



Department of Energy

Portsmouth/Paducah Project Office
1017 Majestic Drive, Suite 200
Lexington, Kentucky 40513
(859) 219-4000

April 9, 2026

Mr. Danny Anderson, Branch Manager
Division of Waste Management, Solid Waste Branch
Kentucky Department for Environmental Protection
300 Sower Boulevard, 2nd Floor
Frankfort, Kentucky 40601

PPPO-02-10036790-26

Dear Mr. Anderson:

C-746-S&T AND C-746-U SOLID WASTE LANDFILLS FIRST QUARTER CALENDAR YEAR 2026 WASTE OPERATING REPORT PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, FRNP-RPT-0408/V1, SOLID WASTE PERMIT NO. SW07300014, SW07300015, SW07300045, AGENCY INTEREST NO. 3059

The U.S. Department of Energy has prepared the first quarter calendar year 2026 operating report for the C-746-S&T landfills and the C-746-U Contained Landfill at the Paducah Gaseous Diffusion Plant. Kentucky Solid Waste Regulation 401 KAR 47:190 § 8(1) and Solid Waste Permit No. SW07300014, SW07300015, SW07300045, Permit Condition ACTV0006, Special Condition 10, require submittal of quarterly reports from operators of solid waste landfills.

The groundwater data, surface water data, and methane monitoring results are submitted as separate reports for the C-746-S&T landfills and the C-746-U Contained Landfill.

If you have any questions or require additional information, please contact Ryan Callihan at (740) 970-0255.

Sincerely,

APRIL LADD

Digitally signed by APRIL
LADD
Date: 2026.04.09 09:26:17
-05'00'

April Ladd
Acting Deputy Manager
Portsmouth/Paducah Project Office

Enclosures:

1. Certification Page
2. *C-746-S&T and C-746-U Solid Waste Landfills First Quarter Calendar Year 2026 Waste Operating Report Paducah Gaseous Diffusion Plant, Paducah, Kentucky,*
FRNP-RPT-0408/V1

cc w/enclosures:

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cc via KY eForms portal:

danny.anderson@ky.gov, KDEP
teresa.osborne@ky.gov, KDEP

CERTIFICATION

Document Identification: *C-746-S&T and C-746-U Solid Waste Landfills First Quarter Calendar Year 2026 Waste Operating Report, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, FRNP-RPT-0408/V1, Solid Waste Permit SW07300014, SW07300015, SW07300045, Agency Interest No. 3059, April 2026*

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.

Four Rivers Nuclear Partnership, LLC
Permittee (Operator)

DONALD
HARRIS (Affiliate)
Digitally signed by DONALD
HARRIS (Affiliate)
Date: 2026.04.06 15:02:53
-05'00'

Myrna E. Redfield, Program Manager/Date Signed
Four Rivers Nuclear Partnership, LLC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.

U.S. Department of Energy

APRIL LADD
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LADD
Date: 2026.04.09
09:26:51 -05'00'

April Ladd, Paducah Site Lead/Date Signed
Portsmouth/Paducah Project Office
U.S. Department of Energy

**C-746-S&T and C-746-U Solid Waste Landfills
First Quarter Calendar Year 2026
Waste Operating Report
Paducah Gaseous Diffusion Plant,
Paducah, Kentucky**



CLEARED FOR PUBLIC RELEASE

**C-746-S&T and C-746-U Solid Waste Landfills
First Quarter Calendar Year 2026
Waste Operating Report
Paducah Gaseous Diffusion Plant,
Paducah, Kentucky**

Date Issued—April 2026

U.S. DEPARTMENT OF ENERGY
Office of Environmental Management

Prepared by
FOUR RIVERS NUCLEAR PARTNERSHIP, LLC,
managing the
Deactivation and Remediation Project at the
Paducah Gaseous Diffusion Plant
under Contract DE-EM0004895

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REPORT SUMMARY

The information contained herein is submitted in accordance with the requirements of Solid Waste Permit Number SW07300014, SW07300015, SW07300045, and 401 KAR 47:190 § 8, *Landfill Recordkeeping and Reporting*, for the first quarter of calendar year 2026 for the Paducah Gaseous Diffusion Plant, McCracken County, Kentucky.

In the first quarter, a total of 0.00 tons of industrial waste was disposed of in the C-746-U Contained Landfill. There were 0.00 tons of asbestos-containing materials disposed of as part of the 0.00 total tons of waste dispositioned. No special waste or spill-residue-containing materials were disposed of in the landfill this quarter. As directed by the Cabinet, the Waste Quantity Report, DEP-7046-Q, is submitted as a separate report.

Analytical results for surface water monitoring, groundwater monitoring, and methane monitoring are submitted in separate quarterly Compliance Monitoring Reports for the C-746-U Contained Landfill and C-746-S&T Landfills (401 KAR 47:190 § 8, *Landfill Recordkeeping and Reporting*).

The C-746-S Residential Landfill has been inactive since July 1995, and the C-746-T Inert Landfill has been inactive since June 1992.

Leachate Collection and Disposition

Leachate is primarily stored in five holding tanks (F-001, F-002, F-007, F-008, and F-009) with a total capacity of 104,200 gal. In the event that leachate cannot be managed solely with the primary tanks, 64,000 gal of additional storage capacity is available in reserve tanks F-010, F-011, F-012, and F-013. Tank F-004 is a 2,500-gal surge tank for the leachate treatment system. Storage tanks F-005 and F-006 were removed from service in 2014. The total leachate storage capacity is 170,700 gal.

The tank volume reported on the leachate log is the volume at the time of measurement. Calculation of the next day tank volume by subtraction of disposal volume may not reflect the measured tank volume because additional leachate had entered the system. A total of 308,400 gal of leachate from the C-746-U Contained Landfill was treated at the C-746-U15 Leachate Treatment Facility this quarter. A total of 3,000 gal of leachate from the C-746-S Residential Landfill was treated at the C-746-U15 Leachate Treatment Facility this quarter. There was no leachate transported to the other treatment facilities.

January 26, 2026, and January 27, 2026, were inclement weather days (snow) at the Paducah Site and the landfill was closed. No Daily Leachate Treatment System Operating Sheets were generated for these days.

Annual leachate samples were taken on February 10, 2026, from the C-746-S Residential Landfill and the C-746-U Contained Landfill, respectively. The leachate was sampled and tested in accordance with the conditions described in the solid waste permit issued on May 21, 2021.

Construction Activities and Cover Maintenance

There were no construction or cover maintenance activities associated with the C-746-S&T Landfills (401 KAR 47:190 § 8, *Landfill Recordkeeping and Reporting*). The landfills were inspected for subsidence in accordance with the cover requirements (401 KAR 48:080 § 9, *Alternative Specifications*). No repairs were necessary during the quarter.

There were no construction or cover maintenance activities at the C-746-U Contained Landfill (401 KAR 47:190 § 8, *Landfill Recordkeeping and Reporting*). The landfill was inspected for subsidence in accordance with the cover requirements (401 KAR 48:080 § 9, *Alternative Specifications*). No repairs were necessary during the quarter.

FACILITY INFORMATION SHEET

Sampling Date: February 10, 2026

County: McCracken Permit No.: SW07300014, SW07300015,
SW07300045
Facility Name: U.S. Department of Energy—Paducah Gaseous Diffusion Plant
(as officially shown on DWM permit face)

Site Address: 5501 Hobbs Road Kevil, Kentucky 42053
Street City/State Zip

Phone No.: (270) 441-6800 Latitude: N 37° 07' 45" Longitude: W 88° 47' 5"

OWNER INFORMATION

Facility Owner: U.S. DOE, Theodore E. Olds, Manager Phone No.: (859) 219-4000

Contact Person: Todd L. Walker Phone No.: (270) 559-0937

Landfill Manager,
Contact Person Title: Four Rivers Nuclear Partnership, LLC

Mailing Address: 5511 Hobbs Road Kevil, Kentucky 42053
Street City/State Zip

SAMPLING PERSONNEL (if other than landfill or laboratory)

Company: GEO Consultants, LLC

Contact Person: Rene Tucker Phone No. (270) 816-6041

Mailing Address: 325 Kentucky Avenue Kevil, Kentucky 42053
Street City/State Zip

LABORATORY RECORD #1

Laboratory: GEL Laboratories, LLC Lab ID No.: KY90129

Contact Person: Valerie Davis Phone No.: (843) 769-7391

Mailing Address: P.O. Box 30712 Charleston, South Carolina 29417
Street City/State Zip

LABORATORY RECORD #2

Laboratory: Not applicable (N/A) Lab ID No.: N/A

Contact Person: N/A Phone No.: N/A

Mailing Address: N/A
Street City/State Zip

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COVER LOG

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CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY
COUNTY: McCracken

PERMIT NUMBER: 073-00045
Month & Year: January 2026

Day of Month	Daily Cell Location	Daily Cover Applied?	Interim Cover	Long Term Cover	Final Cap	Temporary Diversion Ditch Yes/No
1						
2						
3						
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6						
7		There were no waste disposal activities during the month of January 2026				
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CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY
COUNTY: McCracken

PERMIT NUMBER: 073-00045
Month & Year: February 2026

Day of Month	Daily Cell Location	Daily Cover Applied?	Interim Cover	Long Term Cover	Final Cap	Temporary Diversion Ditch Yes/No
1						
2						
3						
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6						
7		There were no waste disposal activities during the month of February 2026				
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CP3-WM-0017-F02 - COVER LOG

DEPARTMENT OF ENERGY
COUNTY: McCracken

PERMIT NUMBER: 073-00045
Month & Year: March 2026

Day of Month	Daily Cell Location	Daily Cover Applied?	Interim Cover	Long Term Cover	Final Cap	Temporary Diversion Ditch Yes/No
1						
2						
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7		There were no waste disposal activities during the month of March 2026				
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LEACHATE LOG

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CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month January Year 2026

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
1-5-26	1,2,3,4,5,6,7	F-001		1700		
1-5-26	1,2,3,4,5,6,7	F-002		20200	10200	L
1-5-26	1,2,3,4,5,6,7	F-007		2500		
1-5-26	1,2,3,4,5,6,7	F-008		1400		
1-5-26	1,2,3,4,5,6,7	F-009		700		
1-6-26	1,2,3,4,5,6,7	F-001		4300		
1-6-26	1,2,3,4,5,6,7	F-002		10000	8300	L
1-6-26	1,2,3,4,5,6,7	F-007		2500		
1-6-26	1,2,3,4,5,6,7	F-008		1400		
1-6-26	1,2,3,4,5,6,7	F-009		700		
1-7-26	1,2,3,4,5,6,7	F-001		5800		
1-7-26	1,2,3,4,5,6,7	F-002		1700		
1-7-26	1,2,3,4,5,6,7	F-007		2500		
1-7-26	1,2,3,4,5,6,7	F-008		1400		
1-7-26	1,2,3,4,5,6,7	F-009		700		
1-8-26	1,2,3,4,5,6,7	F-001		8300		
1-8-26	1,2,3,4,5,6,7	F-002		1700		
1-8-26	1,2,3,4,5,6,7	F-007		2500		
1-8-26	1,2,3,4,5,6,7	F-008		1400		
1-8-26	1,2,3,4,5,6,7	F-009		700		
1-12-26	1,2,3,4,5,6,7	F-001		16800	12200	L
1-12-26	1,2,3,4,5,6,7	F-002		1700		
1-12-26	1,2,3,4,5,6,7	F-007		2500		
1-12-26	1,2,3,4,5,6,7	F-008		1400		
1-12-26	1,2,3,4,5,6,7	F-009		700		
1-13-26	1,2,3,4,5,6,7	F-001		4600	2700	L
1-13-26	1,2,3,4,5,6,7	F-002		3500		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month January Year 2026

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
1-13-26	1,2,3,4,5,6,7	F-007		2500		
1-13-26	1,2,3,4,5,6,7	F-008		1400		
1-13-26	1,2,3,4,5,6,7	F-009		700		
1-14-26	1,2,3,4,5,6,7	F-001		1900		
1-14-26	1,2,3,4,5,6,7	F-002		6000		
1-14-26	1,2,3,4,5,6,7	F-007		2500		
1-14-26	1,2,3,4,5,6,7	F-008		1400		
1-14-26	1,2,3,4,5,6,7	F-009		700		
1-15-26	1,2,3,4,5,6,7	F-001		1900		
1-15-26	1,2,3,4,5,6,7	F-002		7500		
1-15-26	1,2,3,4,5,6,7	F-007		2500		
1-15-26	1,2,3,4,5,6,7	F-008		1400		
1-15-26	1,2,3,4,5,6,7	F-009		700		
1-20-26	1,2,3,4,5,6,7	F-001		1900		
1-20-26	1,2,3,4,5,6,7	F-002		17600		
1-20-26	1,2,3,4,5,6,7	F-007		2500		
1-20-26	1,2,3,4,5,6,7	F-008		1400		
1-20-26	1,2,3,4,5,6,7	F-009		700		
1-21-26	1,2,3,4,5,6,7	F-001		1900		
1-21-26	1,2,3,4,5,6,7	F-002		19000	12200	L
1-21-26	1,2,3,4,5,6,7	F-007		2500		
1-21-26	1,2,3,4,5,6,7	F-008		1400		
1-21-26	1,2,3,4,5,6,7	F-009		700		
1-22-26	1,2,3,4,5,6,7	F-001		3500		
1-22-26	1,2,3,4,5,6,7	F-002		6800	5100	L
1-22-26	1,2,3,4,5,6,7	F-007		2500		
1-22-26	1,2,3,4,5,6,7	F-008		1400		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month January

Year 2026[illegible]

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month February Year 2026

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
2-2-26	1,2,3,4,5,6,7	F-001		20700	8800	L
2-2-26	1,2,3,4,5,6,7	F-002		1700		
2-2-26	1,2,3,4,5,6,7	F-007		2500		
2-2-26	1,2,3,4,5,6,7	F-008		1400		
2-2-26	1,2,3,4,5,6,7	F-009		700		
2-3-26	1,2,3,4,5,6,7	F-001		11900		
2-3-26	1,2,3,4,5,6,7	F-002		2600		
2-3-26	1,2,3,4,5,6,7	F-007		2500		
2-3-26	1,2,3,4,5,6,7	F-008		1400		
2-3-26	1,2,3,4,5,6,7	F-009		700		
2-4-26	1,2,3,4,5,6,7	F-001		11900		
2-4-26	1,2,3,4,5,6,7	F-002		4300		
2-4-26	1,2,3,4,5,6,7	F-007		2500		
2-4-26	1,2,3,4,5,6,7	F-008		1400		
2-4-26	1,2,3,4,5,6,7	F-009		700		
2-5-26	1,2,3,4,5,6,7	F-001		11900	10200	L
2-5-26	1,2,3,4,5,6,7	F-002		6800		
2-5-26	1,2,3,4,5,6,7	F-007		2500		
2-5-26	1,2,3,4,5,6,7	F-008		1400		
2-5-26	1,2,3,4,5,6,7	F-009		700		
2-9-26	1,2,3,4,5,6,7	F-001		1700		
2-9-26	1,2,3,4,5,6,7	F-002		20200	10200	L
2-9-26	1,2,3,4,5,6,7	F-007		2500		
2-9-26	1,2,3,4,5,6,7	F-008		1400		
2-9-26	1,2,3,4,5,6,7	F-009		700		
2-10-26	1,2,3,4,5,6,7	F-001		5000		
2-10-26	1,2,3,4,5,6,7	F-002		10000	8300	L

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month February Year 2026

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
2-10-26	1,2,3,4,5,6,7	F-007		2500		
2-10-26	1,2,3,4,5,6,7	F-008		1400		
2-10-26	1,2,3,4,5,6,7	F-009		700		
2-11-26	1,2,3,4,5,6,7	F-001		9100		
2-11-26	1,2,3,4,5,6,7	F-002		1700		
2-11-26	1,2,3,4,5,6,7	F-007		2500		
2-11-26	1,2,3,4,5,6,7	F-008		1400		
2-11-26	1,2,3,4,5,6,7	F-009		700		
2-12-26	1,2,3,4,5,6,7	F-001		12500	10800	L
2-12-26	1,2,3,4,5,6,7	F-002		1700		
2-12-26	1,2,3,4,5,6,7	F-007		2500		
2-12-26	1,2,3,4,5,6,7	F-008		1400		
2-12-26	1,2,3,4,5,6,7	F-009		700		
2-16-26	1,2,3,4,5,6,7	F-001		1700		
2-16-26	1,2,3,4,5,6,7	F-002		14500	12400	L
2-16-26	1,2,3,4,5,6,7	F-007		2500		
2-16-26	1,2,3,4,5,6,7	F-008		1400		
2-16-26	1,2,3,4,5,6,7	F-009		700		
2-17-25	1,2,3,4,5,6,7	F-001		4300		
2-17-26	1,2,3,4,5,6,7	F-002		2100		
2-17-26	1,2,3,4,5,6,7	F-007		2500		
2-17-26	1,2,3,4,5,6,7	F-008		1400		
2-17-26	1,2,3,4,5,6,7	F-009		700		
2-18-26	1,2,3,4,5,6,7	F-001		6800		
2-18-26	1,2,3,4,5,6,7	F-002		2100		
2-18-26	1,2,3,4,5,6,7	F-007		2500		
2-18-26	1,2,3,4,5,6,7	F-008		1400		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month February Year 2026

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
2-18-26	1,2,3,4,5,6,7	F-009		700		
2-19-26	1,2,3,4,5,6,7	F-001		10200	8500	L
2-19-26	1,2,3,4,5,6,7	F-002		2100		
2-19-26	1,2,3,4,5,6,7	F-007		2500		
2-19-26	1,2,3,4,5,6,7	F-008		1400		
2-19-26	1,2,3,4,5,6,7	F-009		700		
2-23-26	1,2,3,4,5,6,7	F-001		1700		
2-23-26	1,2,3,4,5,6,7	F-002		12200		
2-23-26	1,2,3,4,5,6,7	F-007		2500		
2-23-26	1,2,3,4,5,6,7	F-008		1400		
2-23-26	1,2,3,4,5,6,7	F-009		700		
2-24-26	1,2,3,4,5,6,7	F-001		1700		
2-24-26	1,2,3,4,5,6,7	F-002		14800		
2-24-26	1,2,3,4,5,6,7	F-007		2500		
2-24-26	1,2,3,4,5,6,7	F-008		1400		
2-24-26	1,2,3,4,5,6,7	F-009		700		
2-25-26	1,2,3,4,5,6,7	F-001		1700		
2-25-26	1,2,3,4,5,6,7	F-002		17000	12200	L
2-25-26	1,2,3,4,5,6,7	F-007		2500		
2-25-26	1,2,3,4,5,6,7	F-008		1400		
2-25-26	1,2,3,4,5,6,7	F-009		700		
2-26-26	1,2,3,4,5,6,7	F-001		4300		
2-26-26	1,2,3,4,5,6,7	F-002		4800		
2-26-26	1,2,3,4,5,6,7	F-007		2500		
2-26-26	1,2,3,4,5,6,7	F-008		1400		
2-26-26	1,2,3,4,5,6,7	F-009		700		
			SR 02-26-26			

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month March Year 2026

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
3-2-26	1,2,3,4,5,6,7	F-001		11900		
3-2-26	1,2,3,4,5,6,7	F-002		4800		
3-2-26	1,2,3,4,5,6,7	F-007		2500		
3-2-26	1,2,3,4,5,6,7	F-008		1400		
3-2-26	1,2,3,4,5,6,7	F-009		700		
3-3-26	1,2,3,4,5,6,7	F-001		14200		
3-3-26	1,2,3,4,5,6,7	F-002		4800		
3-3-26	1,2,3,4,5,6,7	F-007		2500		
3-3-26	1,2,3,4,5,6,7	F-008		1400		
3-3-26	1,2,3,4,5,6,7	F-009		700		
3-4-26	1,2,3,4,5,6,7	F-001		15900	9900	L
3-4-26	1,2,3,4,5,6,7	F-002		4800		
3-4-26	1,2,3,4,5,6,7	F-007		2500		
3-4-26	1,2,3,4,5,6,7	F-008		1400		
3-4-26	1,2,3,4,5,6,7	F-009		700		
3-5-26	1,2,3,4,5,6,7	F-001		6000	4100	L
3-5-26	1,2,3,4,5,6,7	F-002		6500		
3-5-26	1,2,3,4,5,6,7	F-007		2500		
3-5-26	1,2,3,4,5,6,7	F-008		1400		
3-5-26	1,2,3,4,5,6,7	F-009		700		
3-9-26	1,2,3,4,5,6,7	F-001		28100		
3-9-26	1,2,3,4,5,6,7	F-002		28100	26400	L
3-9-26	1,2,3,4,5,6,7	F-007		2500		
3-9-26	1,2,3,4,5,6,7	F-008		1400		
3-9-26	1,2,3,4,5,6,7	F-009		8400		
3-10-26	1,2,3,4,5,6,7	F-001		28100	26400	L
3-10-26	1,2,3,4,5,6,7	F-002		1700		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month March Year 2026

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
3-10-26	1,2,3,4,5,6,7	F-007		2500		
3-10-26	1,2,3,4,5,6,7	F-008		1400		
3-10-26	1,2,3,4,5,6,7	F-009		14400		
3-11-26	1,2,3,4,5,6,7	F-001		1700		
3-11-26	1,2,3,4,5,6,7	F-002		11300	9600	L
3-11-26	1,2,3,4,5,6,7	F-007		2500		
3-11-26	1,2,3,4,5,6,7	F-008		1400		
3-11-26	1,2,3,4,5,6,7	F-009		14400		
3-12-26	1,2,3,4,5,6,7	F-001		8600		
3-12-26	1,2,3,4,5,6,7	F-002		1700		
3-12-26	1,2,3,4,5,6,7	F-007		2500		
3-12-26	1,2,3,4,5,6,7	F-008		1400		
3-12-26	1,2,3,4,5,6,7	F-009		14400	11500	L
3-16-26	1,2,3,4,5,6,7	F-001		28100	9900	L
3-16-26	1,2,3,4,5,6,7	F-002		7000		
3-16-26	1,2,3,4,5,6,7	F-007		2500		
3-16-26	1,2,3,4,5,6,7	F-008		1400		
3-16-26	1,2,3,4,5,6,7	F-009		2900		
3-17-26	1,2,3,4,5,6,7	F-001		18200	12400	L
3-17-26	1,2,3,4,5,6,7	F-002		13000		
3-17-26	1,2,3,4,5,6,7	F-007		2500		
3-17-26	1,2,3,4,5,6,7	F-008		1400		
3-17-26	1,2,3,4,5,6,7	F-009		2900		
3-18-26	1,2,3,4,5,6,7	F-001		5800	3900	L
3-18-26	1,2,3,4,5,6,7	F-002		19300		
3-18-26	1,2,3,4,5,6,7	F-007		2500		
3-18-26	1,2,3,4,5,6,7	F-008		1400		

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month March

Year 2026

Date	Phase	Collection Tank Number	Mobile Tanker	Tank Volume (Gallons)	Disposal Volume (Gallons)	Disposal Method*
3-18-26	1,2,3,4,5,6,7	F-009		2900		
3-19-26	1,2,3,4,5,6,7	F-001		1900		
3-19-26	1,2,3,4,5,6,7	F-002		23700	14300	L
3-19-26	1,2,3,4,5,6,7	F-007		2500		
3-19-26	1,2,3,4,5,6,7	F-008		1400		
3-19-26	1,2,3,4,5,6,7	F-009		2900		
3-23-26	1,2,3,4,5,6,7	F-001		19600		
3-23-26	1,2,3,4,5,6,7	F-002		9400		
3-23-26	1,2,3,4,5,6,7	F-007		2500		
3-23-26	1,2,3,4,5,6,7	F-008		1400		
3-23-26	1,2,3,4,5,6,7	F-009		2900		
3-24-26	1,2,3,4,5,6,7	F-001		22900	13800	L
3-24-26	1,2,3,4,5,6,7	F-002		9400		
3-24-26	1,2,3,4,5,6,7	F-007		2500		
3-24-26	1,2,3,4,5,6,7	F-008		1400		
3-24-26	1,2,3,4,5,6,7	F-009		2900		
3-25-26	1,2,3,4,5,6,7	F-001		9100	7400	L
3-25-26	1,2,3,4,5,6,7	F-002		13000		
3-25-26	1,2,3,4,5,6,7	F-007		2500		
3-25-26	1,2,3,4,5,6,7	F-008		1400		
3-25-26	1,2,3,4,5,6,7	F-009		2900		
3-26-26	1,2,3,4,5,6,7	F-001		1700		
3-26-26	1,2,3,4,5,6,7	F-002		16500	14800	L
3-26-26	1,2,3,4,5,6,7	F-007		2500		
3-26-26	1,2,3,4,5,6,7	F-008		1400		
3-26-26	1,2,3,4,5,6,7	F-009		2900		
3-30-26	1,2,3,4,5,6,7	F-001		14500	11900	L

CP3-WM-0018-F01 - PGDP SOLID WASTE LANDFILL – LEACHATE LOG

Permit No. 073-00045

McCracken County, Kentucky

Month **March**

Year 2026

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LEACHATE ANALYTICAL RESULTS

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Paducah OREIS Report for SLS26-01

Sample ID:	SLS26-01-01	Station:	C-746-S	Date Collected:	2/10/2026	MedType:	WW	SmpMethod:	GR
Comments:	Leachate Cell 2 sample								

Analysis	Results	Units	Result Qual	Foot Note	Reporting Limit	Counting Error	TPU**	Method	LabCode	V/V/A*
ANION										
Bromide	0.2	mg/L	U		0.2			SW846-9056A	GEL	/X/
Chloride	4.82	mg/L			0.2			SW846-9056A	GEL	/X/
Fluoride	0.708	mg/L			0.1			SW846-9056A	GEL	/X/
Iodide	0.5	mg/L	UN		0.5			EPA-300.0	GEL	/X/ U, J
Nitrate as Nitrogen	0.1	mg/L	UN		0.1			SW846-9056A	GEL	/X/ U, J
Sulfate	41.3	mg/L			1.6			SW846-9056A	GEL	/X/
FS										
Conductivity	770	µmhos/cm						FS	FS	/X/
Dissolved Oxygen	6.64	mg/L						FS	FS	/X/
Eh (approx)	457.1	mV						FS	FS	/X/
pH	6.81	Std Unit						FS	FS	/X/
Temperature	49.2	deg F						FS	FS	/X/
METAL										
Aluminum	0.05	mg/L	U		0.05			SW846-6020B	GEL	/X/
Antimony	0.003	mg/L	U		0.003			SW846-6020B	GEL	/X/
Arsenic	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Barium	0.232	mg/L			0.004			SW846-6020B	GEL	/X/
Beryllium	0.0005	mg/L	U		0.0005			SW846-6020B	GEL	/X/
Boron	0.0161	mg/L			0.015			SW846-6020B	GEL	S/X/
Cadmium	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Calcium	163	mg/L			2			SW846-6020B	GEL	/X/
Chromium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Cobalt	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Copper	0.000482	mg/L	J		0.002			SW846-6020B	GEL	/X/
Iron	0.0459	mg/L	J		0.1			SW846-6020B	GEL	/X/
Lead	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Magnesium	23.9	mg/L			0.03			SW846-6020B	GEL	/X/
Manganese	0.00547	mg/L			0.005			SW846-6020B	GEL	/X/
Mercury	0.0002	mg/L	U		0.0002			SW846-7470A	GEL	/X/
Molybdenum	0.000885	mg/L	J		0.001			SW846-6020B	GEL	/X/
Nickel	0.000858	mg/L	J		0.002			SW846-6020B	GEL	/X/
Phosphorus	0.05	mg/L	U		0.05			EPA-365.4	GEL	/X/
Potassium	0.806	mg/L			0.3			SW846-6020B	GEL	/X/
Rhodium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Selenium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Silver	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Sodium	29.5	mg/L			0.25			SW846-6020B	GEL	/X/
Tantalum	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Thallium	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Tin	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Titanium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Uranium	0.00706	mg/L			0.0002			SW846-6020B	GEL	/X/
Vanadium	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
Zinc	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
METAL-D										
Antimony, Dissolved	0.003	mg/L	U		0.003			SW846-6020B	GEL	/X/
Arsenic, Dissolved	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/

Paducah OREIS Report for SLS26-01

Barium, Dissolved	0.23	mg/L		0.004	SW846-6020B	GEL	/ X /
Cadmium, Dissolved	0.001	mg/L	U	0.001	SW846-6020B	GEL	/ X /
Chromium, Dissolved	0.01	mg/L	U	0.01	SW846-6020B	GEL	/ X /
Cobalt, Dissolved	0.001	mg/L	U	0.001	SW846-6020B	GEL	/ X /
Copper, Dissolved	0.00115	mg/L	J	0.002	SW846-6020B	GEL	/ X /
Lead, Dissolved	0.002	mg/L	U	0.002	SW846-6020B	GEL	/ X /
Manganese, Dissolved	0.00502	mg/L		0.005	SW846-6020B	GEL	/ X /
Nickel, Dissolved	0.00118	mg/L	J	0.002	SW846-6020B	GEL	/ X /
Selenium, Dissolved	0.005	mg/L	U	0.005	SW846-6020B	GEL	/ X /
Silver, Dissolved	0.001	mg/L	U	0.001	SW846-6020B	GEL	/ X /
Tin, Dissolved	0.005	mg/L	U	0.005	SW846-6020B	GEL	/ X /
Titanium, Dissolved	0.01	mg/L	U	0.01	SW846-6020B	GEL	/ X /
Uranium, Dissolved	0.00704	mg/L		0.0002	SW846-6020B	GEL	/ X /
Vanadium, Dissolved	0.02	mg/L	U	0.02	SW846-6020B	GEL	/ X /
Zinc, Dissolved	0.00359	mg/L	J	0.02	SW846-6020B	GEL	/ X /

OTHOR

Oil and Grease	5.21	mg/L	U	5.21	EPA-1664A	GEL	/ X /
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PPCB

PCB-1016	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /
PCB-1221	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /
PCB-1232	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /
PCB-1242	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /
PCB-1248	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /
PCB-1254	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /
PCB-1260	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /
PCB-1268	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /
Polychlorinated biphenyl	0.0989	ug/L	U	0.0989	SW846-8082A	GEL	/ X /

RADS

Alpha activity	2.71	pCi/L	U	7.29	4.11	4.14	SW846-9310	GEL	/ X /
Americium-241	-0.135	pCi/L	U	1.15	0.409	0.41	HASL 300, Am-05-RC M	GEL	/ X /
Beta activity	4.8	pCi/L	U	10.5	6.16	6.21	SW846-9310	GEL	/ X /
Cesium-137	-0.0472	pCi/L	U	1.19	0.683	0.683	EPA-901.1	GEL	/ X /
Cobalt-60	0.141	pCi/L	U	1.28	0.669	0.672	EPA-901.1	GEL	/ X /
Neptunium-237	-0.172	pCi/L	U	1.46	0.521	0.521	ASTM-1475-00M	GEL	/ X /
Plutonium-239/240	0.345	pCi/L	U	1.34	0.763	0.765	HASL 300, Pu-11-RC M	GEL	/ X /
Radium-226	0.399	pCi/L	U	0.614	0.501	0.502	AN-1418	GEL	/ X /
Radium-228	3.07	pCi/L	U	3.48	2.18	2.35	EPA-904.0-M	GEL	/ X /
Strontium-90	-0.395	pCi/L	U	3.16	1.52	1.52	EPA-905.0-M	GEL	/ X /
Technetium-99	-2.45	pCi/L	U	20.9	12.2	12.2	HASL 300, Tc-02-RC M	GEL	/ X /
Thorium-230	-0.597	pCi/L	U	2.74	0.938	0.939	HASL 300, Th-01-RC M	GEL	/ X /
Thorium-232	-0.31	pCi/L	U	2.01	0.669	0.67	HASL 300, Th-01-RC M	GEL	/ X /
Thorium-234	9.93	pCi/L	U	27.4	42.6	42.7	EPA-901.1	GEL	/ X /
Total Uranium	6.86	pCi/L		2.67	2.66	2.72	HASL 300, U-02-RC M	GEL	/ X /
Tritium	-35	pCi/L	U	190	90.1	90.1	EPA-906.0-M	GEL	/ X /
Uranium-234	2.99	pCi/L		1.52	1.69	1.74	HASL 300, U-02-RC M	GEL	/ X /
Uranium-235	0.842	pCi/L	U	1.57	1.15	1.16	HASL 300, U-02-RC M	GEL	/ X /
Uranium-238	3.03	pCi/L		1.54	1.7	1.75	HASL 300, U-02-RC M	GEL	/ X /

RADS-D

Americium-241, Dissolved	-0.321	pCi/L	U	1.65	0.517	0.518	HASL 300, Am-05-RC M	GEL	/ X /
Cesium-137, Dissolved	0.687	pCi/L	U	7.84	4.1	4.11	EPA-901.1	GEL	/ X /
Cobalt-60, Dissolved	0.886	pCi/L	U	5.84	2.1	2.14	EPA-901.1	GEL	/ X /
Dissolved Alpha	2.12	pCi/L	U	2.79	1.84	1.87	SW846-9310	GEL	/ X /
Dissolved Beta	2.99	pCi/L		2.66	1.75	1.82	SW846-9310	GEL	/ X /
Neptunium-237, Dissolved	-0.477	pCi/L	U	1.62	0.461	0.461	ASTM-1475-00M	GEL	/ X / U, J
Plutonium-239/240, Dissolved	0.00685	pCi/L	U	1.13	0.508	0.508	HASL 300, Pu-11-RC M	GEL	/ X /

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Technetium-99, Dissolved	-14.1	pCi/L	U	21.5	12.3	12.3	HASL 300, Tc-02-RC M	GEL	/X/U,J
Thorium-230, Dissolved	0.681	pCi/L	U	1.45	0.932	0.941	HASL 300, Th-01-RC M	GEL	/X/
Thorium-234, Dissolved	41.3	pCi/L	U	305	314	314	EPA-901.1	GEL	/X/
Total Uranium, Dissolved	5.47	pCi/L		2.66	2.52	2.58	HASL 300, U-02-RC M	GEL	/X/
Uranium-234, Dissolved	2.8	pCi/L		2.01	1.81	1.86	HASL 300, U-02-RC M	GEL	/X/
Uranium-235, Dissolved	0.214	pCi/L	U	1.35	0.804	0.805	HASL 300, U-02-RC M	GEL	/X/
Uranium-238, Dissolved	2.46	pCi/L		1.09	1.56	1.59	HASL 300, U-02-RC M	GEL	/X/

VOA

1,1,1,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,1-Trichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2-Trichloroethane	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
1,1-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/U,J
1,2,3-Trichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dibromo-3-chloropropane	0.0191	ug/L	U	0.0191			SW846-8011	GEL	/X/
1,2-Dibromoethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
1,2-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dimethylbenzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,4-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
2-Butanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
2-Hexanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
4-Methyl-2-pentanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acetone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrolein	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrylonitrile	5	ug/L	U	5			SW846-8260D	GEL	/X/
Benzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromochloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromodichloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromoform	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromomethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Carbon disulfide	5	ug/L	U	5			SW846-8260D	GEL	/X/U,J
Carbon tetrachloride	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
Chloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chloroform	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
cis-1,2-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
cis-1,3-Dichloropropene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Dibromochloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Dibromomethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Ethylbenzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Iodomethane	5	ug/L	U	5			SW846-8260D	GEL	/X/
m,p-Xylene	2	ug/L	UY1	2			SW846-8260D	GEL	/X/U,J
Methylene chloride	5	ug/L	U	5			SW846-8260D	GEL	/X/
Styrene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
Tetrachloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Toluene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
Total Xylene	3	ug/L	UY1	3			SW846-8260D	GEL	/X/U,J
trans-1,2-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
trans-1,3-Dichloropropene	1	ug/L	U	1			SW846-8260D	GEL	/X/
trans-1,4-Dichloro-2-butene	5	ug/L	U	5			SW846-8260D	GEL	/X/
Trichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Trichlorofluoromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/

Paducah OREIS Report for SLS26-01

Vinyl acetate	5	ug/L	U	5	SW846-8260D	GEL	/ X /
Vinyl chloride	1	ug/L	U	1	SW846-8260D	GEL	/ X /
WETCHEM							
Carbonaceous Biochemical Oxygen Demand (CBOD)	2	mg/L	HUX	2	SM-5210B	GEL	T / X / BL-T
Chemical Oxygen Demand (COD)	20	mg/L	U	20	EPA-410.4	GEL	/ X /
Cyanide	0.005	mg/L	U	0.005	SW846-9012B	GEL	/ X /
Dissolved Solids	568	mg/L	*	10	EPA-160.1	GEL	/ X / J
Hardness - Total as CaCO3	452	mg/L		2	EPA-130.2	GEL	/ X /
Suspended Solids	2.5	mg/L	U	2.5	EPA-160.2	GEL	/ X /
Total Organic Carbon (TOC)	3.41	mg/L		1	SW846-9060A	GEL	/ X / BH-FB
Total Organic Halides (TOX)	9.04	ug/L	J	10	SW846-9020B	GEL	/ X /

Paducah OREIS Report for SLS26-01

Sample ID:	SLS26-01-02	Station:	C-746-S	Date Collected:	2/10/2026	MedType:	WW	SmpMethod:	GR
Comments:	Leachate Cell 3 sample								

Analysis	Results	Units	Result Qual	Foot Note	Reporting Limit	Counting Error	TPU**	Method	LabCode	V/V/A*
ANION										
Bromide	0.8	mg/L	U		0.8			SW846-9056A	GEL	/X/
Chloride	14.3	mg/L			0.8			SW846-9056A	GEL	/X/
Fluoride	0.248	mg/L			0.1			SW846-9056A	GEL	/X/
Iodide	0.742	mg/L			0.5			EPA-300.0	GEL	/X/J
Nitrate as Nitrogen	0.4	mg/L	UN		0.4			SW846-9056A	GEL	/X/UJ
Sulfate	0.614	mg/L			0.4			SW846-9056A	GEL	/X/
FS										
Conductivity	828	µmhos/cm						FS	FS	/X/
Dissolved Oxygen	10.54	mg/L						FS	FS	/X/
Eh (approx)	423.4	mV						FS	FS	/X/
pH	7.47	Std Unit						FS	FS	/X/
Temperature	51.3	deg F						FS	FS	/X/
METAL										
Aluminum	0.05	mg/L	U		0.05			SW846-6020B	GEL	/X/
Antimony	0.003	mg/L	U		0.003			SW846-6020B	GEL	/X/
Arsenic	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Barium	0.453	mg/L			0.004			SW846-6020B	GEL	/X/
Beryllium	0.0005	mg/L	U		0.0005			SW846-6020B	GEL	/X/
Boron	0.0298	mg/L			0.015			SW846-6020B	GEL	/X/
Cadmium	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Calcium	155	mg/L			2			SW846-6020B	GEL	/X/
Chromium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Cobalt	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Copper	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Iron	56.3	mg/L			1			SW846-6020B	GEL	/X/
Lead	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Magnesium	25.2	mg/L			0.03			SW846-6020B	GEL	/X/
Manganese	1.15	mg/L			0.05			SW846-6020B	GEL	/X/
Mercury	0.0002	mg/L	U		0.0002			SW846-7470A	GEL	/X/
Molybdenum	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Nickel	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Phosphorus	0.129	mg/L			0.05			EPA-365.4	GEL	/X/
Potassium	4.13	mg/L			0.3			SW846-6020B	GEL	/X/
Rhodium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Selenium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Silver	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Sodium	23.7	mg/L			0.25			SW846-6020B	GEL	/X/
Tantalum	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Thallium	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Tin	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Titanium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Uranium	0.000105	mg/L	J		0.0002			SW846-6020B	GEL	S/X/
Vanadium	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
Zinc	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
METAL-D										
Antimony, Dissolved	0.003	mg/L	U		0.003			SW846-6020B	GEL	/X/
Arsenic, Dissolved	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/

Paducah OREIS Report for SLS26-01

Barium, Dissolved	0.354	mg/L		0.004			SW846-6020B	GEL	/X/
Cadmium, Dissolved	0.001	mg/L	U	0.001			SW846-6020B	GEL	/X/
Chromium, Dissolved	0.01	mg/L	U	0.01			SW846-6020B	GEL	/X/
Cobalt, Dissolved	0.001	mg/L	U	0.001			SW846-6020B	GEL	/X/
Copper, Dissolved	0.000438	mg/L	J	0.002			SW846-6020B	GEL	/X/
Lead, Dissolved	0.002	mg/L	U	0.002			SW846-6020B	GEL	/X/
Manganese, Dissolved	0.965	mg/L		0.005			SW846-6020B	GEL	/X/
Nickel, Dissolved	0.002	mg/L	U	0.002			SW846-6020B	GEL	/X/
Selenium, Dissolved	0.005	mg/L	U	0.005			SW846-6020B	GEL	/X/
Silver, Dissolved	0.001	mg/L	U	0.001			SW846-6020B	GEL	/X/
Tin, Dissolved	0.005	mg/L	U	0.005			SW846-6020B	GEL	/X/
Titanium, Dissolved	0.01	mg/L	U	0.01			SW846-6020B	GEL	/X/
Uranium, Dissolved	0.000101	mg/L	J	0.0002			SW846-6020B	GEL	S/X/
Vanadium, Dissolved	0.02	mg/L	U	0.02			SW846-6020B	GEL	/X/
Zinc, Dissolved	0.02	mg/L	U	0.02			SW846-6020B	GEL	/X/
OTHOR									
Oil and Grease	5.05	mg/L	U	5.05			EPA-1664A	GEL	/X/
PPCB									
PCB-1016	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
PCB-1221	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
PCB-1232	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
PCB-1242	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
PCB-1248	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
PCB-1254	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
PCB-1260	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
PCB-1268	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
Polychlorinated biphenyl	0.106	ug/L	U	0.106			SW846-8082A	GEL	/X/
RADS									
Alpha activity	0.823	pCi/L	U	7.48	3.54	3.54	SW846-9310	GEL	/X/
Americium-241	0.288	pCi/L	U	2.15	1.11	1.11	HASL 300, Am-05-RC M	GEL	/X/
Beta activity	5.95	pCi/L	U	10.1	6.09	6.16	SW846-9310	GEL	/X/
Cesium-137	-0.414	pCi/L	U	1.28	0.867	0.888	EPA-901.1	GEL	/X/
Cobalt-60	0.502	pCi/L	U	1.41	0.75	0.784	EPA-901.1	GEL	/X/
Neptunium-237	0.12	pCi/L	U	1.73	0.843	0.843	ASTM-1475-00M	GEL	/X/
Plutonium-239/240	0.237	pCi/L	U	1.5	0.809	0.809	HASL 300, Pu-11-RC M	GEL	/X/
Radium-226	0.676	pCi/L	U	0.811	0.685	0.687	AN-1418	GEL	/X/
Radium-228	6.47	pCi/L		4.93	3.26	3.76	EPA-904.0-M	GEL	S/X/
Strontium-90	-1.15	pCi/L	U	4.03	1.95	1.95	EPA-905.0-M	GEL	/X/
Technetium-99	-16.3	pCi/L	U	21.6	12.3	12.3	HASL 300, Tc-02-RC M	GEL	/X/U,J
Thorium-230	0.627	pCi/L	U	2.07	1.19	1.2	HASL 300, Th-01-RC M	GEL	/X/
Thorium-232	-0.0133	pCi/L	U	1.39	0.61	0.611	HASL 300, Th-01-RC M	GEL	/X/
Thorium-234	5.34	pCi/L	U	30.2	47.4	47.4	EPA-901.1	GEL	/X/
Total Uranium	0.597	pCi/L	U	2.76	1.35	1.35	HASL 300, U-02-RC M	GEL	/X/
Tritium	-44.3	pCi/L	U	188	87.7	87.7	EPA-906.0-M	GEL	/X/
Uranium-234	-0.0829	pCi/L	U	1.72	0.754	0.754	HASL 300, U-02-RC M	GEL	/X/
Uranium-235	-0.0977	pCi/L	U	1.64	0.675	0.676	HASL 300, U-02-RC M	GEL	/X/
Uranium-238	0.597	pCi/L	U	1.39	0.895	0.898	HASL 300, U-02-RC M	GEL	/X/
RADS-D									
Americium-241, Dissolved	0.115	pCi/L	U	1.23	0.64	0.641	HASL 300, Am-05-RC M	GEL	/X/
Cesium-137, Dissolved	-2.86	pCi/L	U	3.98	2.51	2.84	EPA-901.1	GEL	/X/U,J
Cobalt-60, Dissolved	-1.15	pCi/L	U	7.69	4.06	4.1	EPA-901.1	GEL	/X/
Dissolved Alpha	-0.687	pCi/L	U	2.88	1.09	1.09	SW846-9310	GEL	/X/
Dissolved Beta	3.39	pCi/L		2.65	1.78	1.87	SW846-9310	GEL	/X/
Neptunium-237, Dissolved	-0.178	pCi/L	U	1.56	0.6	0.601	ASTM-1475-00M	GEL	/X/
Plutonium-239/240, Dissolved	-0.45	pCi/L	U	1.63	0.47	0.471	HASL 300, Pu-11-RC M	GEL	/X/

Paducah OREIS Report for SLS26-01

Technetium-99, Dissolved	-19.2	pCi/L	U	21.7	12.3	12.3	HASL 300, Tc-02-RC M	GEL	/X/U,J
Thorium-230, Dissolved	1.47	pCi/L	U	1.89	1.37	1.39	HASL 300, Th-01-RC M	GEL	/X/
Thorium-234, Dissolved	-163	pCi/L	U	236	132	155	EPA-901.1	GEL	/X/U,J
Total Uranium, Dissolved	0.3	pCi/L	U	3.09	1.36	1.37	HASL 300, U-02-RC M	GEL	/X/
Uranium-234, Dissolved	0.134	pCi/L	U	1.88	0.918	0.92	HASL 300, U-02-RC M	GEL	/X/
Uranium-235, Dissolved	-0.353	pCi/L	U	1.81	0.569	0.57	HASL 300, U-02-RC M	GEL	/X/
Uranium-238, Dissolved	0.167	pCi/L	U	1.66	0.832	0.832	HASL 300, U-02-RC M	GEL	/X/

VOA

1,1,1,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,1-Trichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2-Trichloroethane	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
1,1-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/U,J
1,2,3-Trichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dibromo-3-chloropropane	0.019	ug/L	U	0.019			SW846-8011	GEL	/X/
1,2-Dibromoethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
1,2-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dimethylbenzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,4-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
2-Butanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
2-Hexanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
4-Methyl-2-pentanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acetone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrolein	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrylonitrile	5	ug/L	U	5			SW846-8260D	GEL	/X/
Benzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromochloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromodichloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromoform	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromomethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Carbon disulfide	5	ug/L	U	5			SW846-8260D	GEL	/X/U,J
Carbon tetrachloride	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
Chloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chloroform	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
cis-1,2-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
cis-1,3-Dichloropropene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Dibromochloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Dibromomethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Ethylbenzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Iodomethane	5	ug/L	U	5			SW846-8260D	GEL	/X/
m,p-Xylene	2	ug/L	UY1	2			SW846-8260D	GEL	/X/U,J
Methylene chloride	0.58	ug/L	J	5			SW846-8260D	GEL	S/X/U
Styrene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
Tetrachloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Toluene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/U,J
Total Xylene	3	ug/L	UY1	3			SW846-8260D	GEL	/X/U,J
trans-1,2-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
trans-1,3-Dichloropropene	1	ug/L	U	1			SW846-8260D	GEL	/X/
trans-1,4-Dichloro-2-butene	5	ug/L	U	5			SW846-8260D	GEL	/X/
Trichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Trichlorofluoromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/

Paducah OREIS Report for SLS26-01

Vinyl acetate	5	ug/L	U	5	SW846-8260D	GEL	/X/
Vinyl chloride	1	ug/L	U	1	SW846-8260D	GEL	/X/
WETCHEM							
Carbonaceous Biochemical Oxygen Demand (CBOD)	2.25	mg/L	H	2	SM-5210B	GEL	T/X/BL-T
Chemical Oxygen Demand (COD)	29.6	mg/L		20	EPA-410.4	GEL	/X/
Cyanide	0.005	mg/L	U	0.005	SW846-9012B	GEL	/X/
Dissolved Solids	582	mg/L	*	10	EPA-160.1	GEL	/X/J
Hardness - Total as CaCO3	527	mg/L		2	EPA-130.2	GEL	/X/
Suspended Solids	28.2	mg/L		7.58	EPA-160.2	GEL	/X/
Total Organic Carbon (TOC)	7.92	mg/L		1	SW846-9060A	GEL	/X/BH-FB
Total Organic Halides (TOX)	4.42	ug/L	J	10	SW846-9020B	GEL	S/X/

Paducah OREIS Report for SLS26-01

Sample ID: **FBSLS26-01**

Station: QC

Date Collected: 2/10/2026

MedType: WQ

SmpMethod: GR

Comments:

Analysis	Results	Units	Result Qual	Foot Note	Reporting Limit	Counting Error	TPU**	Method	LabCode	V/V/A*
ANION										
Bromide	0.2	mg/L	U		0.2			SW846-9056A	GEL	/X/
Chloride	0.2	mg/L	U		0.2			SW846-9056A	GEL	/X/
Fluoride	0.1	mg/L	U		0.1			SW846-9056A	GEL	/X/
Iodide	0.5	mg/L	U		0.5			EPA-300.0	GEL	/X/
Nitrate as Nitrogen	0.0837	mg/L	JN		0.1			SW846-9056A	GEL	/X/J
Sulfate	0.4	mg/L	U		0.4			SW846-9056A	GEL	/X/
METAL										
Aluminum	0.05	mg/L	U		0.05			SW846-6020B	GEL	/X/
Antimony	0.003	mg/L	U		0.003			SW846-6020B	GEL	/X/
Arsenic	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Barium	0.004	mg/L	U		0.004			SW846-6020B	GEL	/X/
Beryllium	0.0005	mg/L	U		0.0005			SW846-6020B	GEL	/X/
Boron	0.015	mg/L	U		0.015			SW846-6020B	GEL	/X/
Cadmium	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Calcium	0.2	mg/L	U		0.2			SW846-6020B	GEL	/X/
Chromium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Cobalt	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Copper	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Iron	0.1	mg/L	U		0.1			SW846-6020B	GEL	/X/
Lead	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Magnesium	0.03	mg/L	U		0.03			SW846-6020B	GEL	/X/
Manganese	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Mercury	0.0002	mg/L	U		0.0002			SW846-7470A	GEL	/X/
Molybdenum	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Nickel	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Phosphorus	0.05	mg/L	U		0.05			EPA-365.4	GEL	/X/
Potassium	0.3	mg/L	U		0.3			SW846-6020B	GEL	/X/
Rhodium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Selenium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Silver	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Sodium	0.25	mg/L	U		0.25			SW846-6020B	GEL	/X/
Tantalum	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Thallium	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Tin	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Titanium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Uranium	0.0002	mg/L	U		0.0002			SW846-6020B	GEL	/X/
Vanadium	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
Zinc	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
OTHOR										
Oil and Grease	4.72	mg/L	U		4.72			EPA-1664A	GEL	/X/
PPCB										
PCB-1016	0.0947	ug/L	U		0.0947			SW846-8082A	GEL	/X/
PCB-1221	0.0947	ug/L	U		0.0947			SW846-8082A	GEL	/X/
PCB-1232	0.0947	ug/L	U		0.0947			SW846-8082A	GEL	/X/
PCB-1242	0.0947	ug/L	U		0.0947			SW846-8082A	GEL	/X/
PCB-1248	0.0947	ug/L	U		0.0947			SW846-8082A	GEL	/X/
PCB-1254	0.0947	ug/L	U		0.0947			SW846-8082A	GEL	/X/

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PCB-1260	0.0947	ug/L	U	0.0947			SW846-8082A	GEL	/X/
PCB-1268	0.0947	ug/L	U	0.0947			SW846-8082A	GEL	/X/
Polychlorinated biphenyl	0.0947	ug/L	U	0.0947			SW846-8082A	GEL	/X/

RADS

Alpha activity	-2.27	pCi/L	U	7.46	2.39	2.39	SW846-9310	GEL	/X/
Americium-241	0.226	pCi/L	U	2.98	1.46	1.46	HASL 300, Am-05-RC M	GEL	/X/
Beta activity	-2.38	pCi/L	U	10.6	5.32	5.32	SW846-9310	GEL	/X/
Cesium-137	0.481	pCi/L	U	1.44	0.808	0.838	EPA-901.1	GEL	/X/
Cobalt-60	0.651	pCi/L	U	1.65	0.843	0.894	EPA-901.1	GEL	/X/
Neptunium-237	-0.426	pCi/L	U	1.54	0.445	0.445	ASTM-1475-00M	GEL	/X/
Plutonium-239/240	0.193	pCi/L	U	1.22	0.725	0.726	HASL 300, Pu-11-RC M	GEL	/X/
Radium-226	0.314	pCi/L	U	0.512	0.382	0.382	AN-1418	GEL	/X/
Radium-228	4.24	pCi/L		3.53	2.31	2.59	EPA-904.0-M	GEL	/X/
Strontium-90	-1.41	pCi/L	U	4.28	2.05	2.05	EPA-905.0-M	GEL	/X/
Technetium-99	-16.1	pCi/L	U	21.4	12.1	12.1	HASL 300, Tc-02-RC M	GEL	/X/ U,J
Thorium-230	1.55	pCi/L	U	1.97	1.43	1.45	HASL 300, Th-01-RC M	GEL	/X/
Thorium-232	-0.0133	pCi/L	U	1.39	0.609	0.61	HASL 300, Th-01-RC M	GEL	/X/
Thorium-234	11.4	pCi/L	U	43.6	40.6	41	EPA-901.1	GEL	/X/
Total Uranium	0.722	pCi/L	U	4.97	2.34	2.35	HASL 300, U-02-RC M	GEL	/X/
Tritium	42.8	pCi/L	U	191	105	105	EPA-906.0-M	GEL	/X/
Uranium-234	-0.311	pCi/L	U	2.98	1.15	1.16	HASL 300, U-02-RC M	GEL	/X/
Uranium-235	0.722	pCi/L	U	2.63	1.66	1.66	HASL 300, U-02-RC M	GEL	/X/
Uranium-238	-0.261	pCi/L	U	2.98	1.18	1.18	HASL 300, U-02-RC M	GEL	/X/

VOA

1,1,1,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,1-Trichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2-Trichloroethane	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
1,1-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/ U,J
1,2,3-Trichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dibromo-3-chloropropane	0.0192	ug/L	U	0.0192			SW846-8011	GEL	/X/
1,2-Dibromoethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
1,2-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dimethylbenzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,4-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
2-Butanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
2-Hexanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
4-Methyl-2-pentanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acetone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrolein	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrylonitrile	5	ug/L	U	5			SW846-8260D	GEL	/X/
Benzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromochloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromodichloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromoform	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromomethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Carbon disulfide	5	ug/L	U	5			SW846-8260D	GEL	/X/ U,J
Carbon tetrachloride	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chlorobenzene	1.8	ug/L	Y1	1			SW846-8260D	GEL	/X/ J
Chloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chloroform	0.36	ug/L	J	1			SW846-8260D	GEL	/X/
Chloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/

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cis-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260D	GEL	/X/
cis-1,3-Dichloropropene	1	ug/L	U	1	SW846-8260D	GEL	/X/
Dibromochloromethane	1	ug/L	U	1	SW846-8260D	GEL	/X/
Dibromomethane	1	ug/L	U	1	SW846-8260D	GEL	/X/
Ethylbenzene	1	ug/L	U	1	SW846-8260D	GEL	/X/
Iodomethane	5	ug/L	U	5	SW846-8260D	GEL	/X/
m,p-Xylene	2	ug/L	UY1	2	SW846-8260D	GEL	/X/ U, J
Methylene chloride	0.58	ug/L	J	5	SW846-8260D	GEL	/X/
Styrene	1	ug/L	UY1	1	SW846-8260D	GEL	/X/ U, J
Tetrachloroethene	1	ug/L	U	1	SW846-8260D	GEL	/X/
Toluene	1	ug/L	UY1	1	SW846-8260D	GEL	/X/ U, J
Total Xylene	3	ug/L	UY1	3	SW846-8260D	GEL	/X/ U, J
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260D	GEL	/X/
trans-1,3-Dichloropropene	1	ug/L	U	1	SW846-8260D	GEL	/X/
trans-1,4-Dichloro-2-butene	5	ug/L	U	5	SW846-8260D	GEL	/X/
Trichloroethene	1	ug/L	U	1	SW846-8260D	GEL	/X/
Trichlorofluoromethane	1	ug/L	U	1	SW846-8260D	GEL	/X/
Vinyl acetate	5	ug/L	U	5	SW846-8260D	GEL	/X/
Vinyl chloride	1	ug/L	U	1	SW846-8260D	GEL	/X/

WETCHEM

Chemical Oxygen Demand (COD)	20	mg/L	U	20	EPA-410.4	GEL	/X/
Hardness - Total as CaCO3	4.38	mg/L		2.78	EPA-130.2	GEL	/X/
Total Organic Carbon (TOC)	0.401	mg/L	J	1	SW846-9060A	GEL	/X/

Paducah OREIS Report for SLS26-01

Sample ID: **TBSLS26-01** Station: QC Date Collected: 2/10/2026 MedType: WQ SmpMethod: GR

Comments:

Analysis	Results	Units	Result Qual	Foot Note	Reporting Limit	Counting Error	TPU**	Method	LabCode	V/V/A*
VOA										
1,1,1,2-Tetrachloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,1,1-Trichloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,1,2,2-Tetrachloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,1,2-Trichloroethane	1	ug/L	UY1		1			SW846-8260D	GEL	/X/U,J
1,1-Dichloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,1-Dichloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/U,J
1,2,3-Trichloropropane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2-Dibromo-3-chloropropane	0.0193	ug/L	U		0.0193			SW846-8011	GEL	/X/
1,2-Dibromoethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2-Dichlorobenzene	1	ug/L	UY1		1			SW846-8260D	GEL	/X/U,J
1,2-Dichloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2-Dichloropropane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2-Dimethylbenzene	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,4-Dichlorobenzene	1	ug/L	UY1		1			SW846-8260D	GEL	/X/U,J
2-Butanone	5	ug/L	U		5			SW846-8260D	GEL	/X/
2-Hexanone	5	ug/L	U		5			SW846-8260D	GEL	/X/
4-Methyl-2-pentanone	5	ug/L	U		5			SW846-8260D	GEL	/X/
Acetone	5	ug/L	U		5			SW846-8260D	GEL	/X/
Acrolein	5	ug/L	U		5			SW846-8260D	GEL	/X/
Acrylonitrile	5	ug/L	U		5			SW846-8260D	GEL	/X/
Benzene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Bromochloromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Bromodichloromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Bromoform	1	ug/L	U		1			SW846-8260D	GEL	/X/
Bromomethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Carbon disulfide	5	ug/L	U		5			SW846-8260D	GEL	/X/U,J
Carbon tetrachloride	1	ug/L	U		1			SW846-8260D	GEL	/X/
Chlorobenzene	2.11	ug/L	Y1		1			SW846-8260D	GEL	/X/J
Chloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Chloroform	1	ug/L	U		1			SW846-8260D	GEL	/X/
Chloromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
cis-1,2-Dichloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
cis-1,3-Dichloropropene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Dibromochloromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Dibromomethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Ethylbenzene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Iodomethane	5	ug/L	U		5			SW846-8260D	GEL	/X/
m,p-Xylene	2	ug/L	UY1		2			SW846-8260D	GEL	/X/U,J
Methylene chloride	0.68	ug/L	J		5			SW846-8260D	GEL	/X/
Styrene	1	ug/L	UY1		1			SW846-8260D	GEL	/X/U,J
Tetrachloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Toluene	1	ug/L	UY1		1			SW846-8260D	GEL	/X/U,J
Total Xylene	3	ug/L	UY1		3			SW846-8260D	GEL	/X/U,J
trans-1,2-Dichloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
trans-1,3-Dichloropropene	1	ug/L	U		1			SW846-8260D	GEL	/X/
trans-1,4-Dichloro-2-butene	5	ug/L	U		5			SW846-8260D	GEL	/X/
Trichloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Trichlorofluoromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Vinyl acetate	5	ug/L	U		5			SW846-8260D	GEL	/X/

Paducah OREIS Report for SLS26-01

Vinyl chloride 1 ug/L U 1 SW846-8260D GEL /X/

Paducah OREIS Report for ULS26-01

Sample ID: **ULS26-01-01** Station: C-746-U Date Collected: 2/10/2026 MedType: WW SmpMethod: GR
 Comments: Sample collected from F-0002 tank. ZW 2-10-26

Analysis	Results	Units	Result Qual	Foot Note	Reporting Limit	Counting Error	TPU**	Method	LabCode	V/V/A*
ANION										
Bromide	0.2	mg/L	U		0.2			SW846-9056A	GEL	/X/
Chloride	48.7	mg/L			2			SW846-9056A	GEL	/X/
Fluoride	0.642	mg/L			0.1			SW846-9056A	GEL	/X/
Iodide	0.5	mg/L	UN		0.5			EPA-300.0	GEL	/X/U,J
Nitrate as Nitrogen	2.41	mg/L	N		0.5			SW846-9056A	GEL	/X/J
Sulfate	184	mg/L			4			SW846-9056A	GEL	/X/
FS										
Conductivity	1156	µmhos/cm						FS	FS	/X/
Dissolved Oxygen	10	mg/L						FS	FS	/X/
Eh (approx)	416.3	mV						FS	FS	/X/
pH	7.74	Std Unit						FS	FS	/X/
Temperature	58.8	deg F						FS	FS	/X/
METAL										
Aluminum	0.094	mg/L			0.05			SW846-6020B	GEL	/X/
Antimony	0.003	mg/L	U		0.003			SW846-6020B	GEL	/X/
Arsenic	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Barium	0.104	mg/L			0.004			SW846-6020B	GEL	/X/
Beryllium	0.0005	mg/L	U		0.0005			SW846-6020B	GEL	/X/
Boron	1.89	mg/L			0.3			SW846-6020B	GEL	/X/
Cadmium	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Calcium	123	mg/L			4			SW846-6020B	GEL	/X/
Chromium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Cobalt	0.000807	mg/L	J		0.001			SW846-6020B	GEL	/X/
Copper	0.00121	mg/L	J		0.002			SW846-6020B	GEL	/X/
Iron	0.116	mg/L			0.1			SW846-6020B	GEL	/X/
Lead	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Magnesium	35.8	mg/L			0.03			SW846-6020B	GEL	/X/
Manganese	0.0322	mg/L			0.005			SW846-6020B	GEL	/X/
Mercury	0.0002	mg/L	U		0.0002			SW846-7470A	GEL	/X/
Molybdenum	0.00163	mg/L			0.001			SW846-6020B	GEL	/X/
Nickel	0.0037	mg/L			0.002			SW846-6020B	GEL	/X/
Phosphorus	0.044	mg/L	J		0.05			EPA-365.4	GEL	/X/U
Potassium	4.22	mg/L			0.3			SW846-6020B	GEL	/X/
Rhodium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Selenium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Silver	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Sodium	96.4	mg/L			5			SW846-6020B	GEL	/X/
Tantalum	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Thallium	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Tin	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Titanium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Uranium	0.0766	mg/L			0.0002			SW846-6020B	GEL	1/X/
Vanadium	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
Zinc	0.0089	mg/L	J		0.02			SW846-6020B	GEL	/X/
METAL-D										
Antimony, Dissolved	0.003	mg/L	U		0.003			SW846-6020B	GEL	/X/
Arsenic, Dissolved	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/

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Barium, Dissolved	0.105	mg/L		0.004			SW846-6020B	GEL	/X/
Cadmium, Dissolved	0.001	mg/L	U	0.001			SW846-6020B	GEL	/X/
Chromium, Dissolved	0.01	mg/L	U	0.01			SW846-6020B	GEL	/X/
Cobalt, Dissolved	0.000768	mg/L	J	0.001			SW846-6020B	GEL	/X/
Copper, Dissolved	0.00135	mg/L	J	0.002			SW846-6020B	GEL	/X/
Lead, Dissolved	0.002	mg/L	U	0.002			SW846-6020B	GEL	/X/
Manganese, Dissolved	0.0247	mg/L		0.005			SW846-6020B	GEL	/X/
Nickel, Dissolved	0.00382	mg/L		0.002			SW846-6020B	GEL	/X/
Selenium, Dissolved	0.005	mg/L	U	0.005			SW846-6020B	GEL	/X/
Silver, Dissolved	0.001	mg/L	U	0.001			SW846-6020B	GEL	/X/
Tin, Dissolved	0.005	mg/L	U	0.005			SW846-6020B	GEL	/X/
Titanium, Dissolved	0.01	mg/L	U	0.01			SW846-6020B	GEL	/X/
Uranium, Dissolved	0.0776	mg/L		0.0002			SW846-6020B	GEL	/X/
Vanadium, Dissolved	0.02	mg/L	U	0.02			SW846-6020B	GEL	/X/
Zinc, Dissolved	0.00841	mg/L	J	0.02			SW846-6020B	GEL	/X/
OTHOR									
Oil and Grease	4.81	mg/L	U	4.81			EPA-1664A	GEL	/X/
PPCB									
PCB-1016	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
PCB-1221	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
PCB-1232	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
PCB-1242	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
PCB-1248	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
PCB-1254	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
PCB-1260	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
PCB-1268	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
Polychlorinated biphenyl	0.1	ug/L	U	0.1			SW846-8082A	GEL	/X/
RADS									
Alpha activity	22.2	pCi/L		4.23	5.41	6.51	SW846-9310	GEL	1/X/
Americium-241	1.03	pCi/L	U	1.62	1.31	1.32	HASL 300, Am-05-RC M	GEL	/X/
Beta activity	25.1	pCi/L		3.61	3.9	5.67	SW846-9310	GEL	/X/
Cesium-137	0.0293	pCi/L	U	1.83	1.09	1.09	EPA-901.1	GEL	/X/
Cobalt-60	-0.43	pCi/L	U	1.85	1.08	1.1	EPA-901.1	GEL	/X/
Neptunium-237	-0.473	pCi/L	U	1.71	0.494	0.494	ASTM-1475-00M	GEL	/X/
Plutonium-239/240	0.0221	pCi/L	U	1.7	0.788	0.789	HASL 300, Pu-11-RC M	GEL	/X/
Radium-226	0.367	pCi/L	U	0.616	0.478	0.478	AN-1418	GEL	/X/
Radium-228	3.02	pCi/L	U	4.27	2.6	2.74	EPA-904.0-M	GEL	/X/
Strontium-90	0.85	pCi/L	U	3.08	1.71	1.72	EPA-905.0-M	GEL	/X/
Technetium-99	8.86	pCi/L	U	22.1	13.1	13.1	HASL 300, Tc-02-RC M	GEL	/X/
Thorium-230	0.872	pCi/L	U	2.35	1.41	1.42	HASL 300, Th-01-RC M	GEL	/X/
Thorium-232	0.165	pCi/L	U	1.24	0.7	0.701	HASL 300, Th-01-RC M	GEL	/X/
Thorium-234	0	pCi/L	UX	38.8	64.9	66.1	EPA-901.1	GEL	/X/
Total Uranium	32.6	pCi/L		2.84	5.2	6.27	HASL 300, U-02-RC M	GEL	/X/
Tritium	20.9	pCi/L	U	190	101	101	EPA-906.0-M	GEL	/X/
Uranium-234	5.06	pCi/L		1.99	2.18	2.29	HASL 300, U-02-RC M	GEL	/X/
Uranium-235	1.12	pCi/L	U	1.37	1.21	1.22	HASL 300, U-02-RC M	GEL	/X/
Uranium-238	26.4	pCi/L		1.48	4.56	5.71	HASL 300, U-02-RC M	GEL	/X/
RADS-D									
Americium-241, Dissolved	-0.333	pCi/L	U	1.71	0.537	0.538	HASL 300, Am-05-RC M	GEL	/X/
Cesium-137, Dissolved	1.86	pCi/L	U	7.91	3.93	4.03	EPA-901.1	GEL	/X/
Cobalt-60, Dissolved	3.33	pCi/L	U	10.7	4.61	4.86	EPA-901.1	GEL	/X/
Dissolved Alpha	17	pCi/L		1.35	1.91	3.38	SW846-9310	GEL	/X/
Dissolved Beta	20	pCi/L		1.86	1.68	3.72	SW846-9310	GEL	/X/
Neptunium-237, Dissolved	-0.107	pCi/L	U	2.31	0.995	0.996	ASTM-1475-00M	GEL	/X/
Plutonium-239/240, Dissolved	-0.338	pCi/L	U	1.56	0.476	0.477	HASL 300, Pu-11-RC M	GEL	/X/

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Technetium-99, Dissolved	13.2	pCi/L	U	21.1	12.6	12.7	HASL 300, Tc-02-RC M	GEL	/X/
Thorium-230, Dissolved	-0.0691	pCi/L	U	2.33	1.06	1.06	HASL 300, Th-01-RC M	GEL	/X/
Thorium-234, Dissolved	-52.9	pCi/L	U	403	230	232	EPA-901.1	GEL	/X/
Total Uranium, Dissolved	35.9	pCi/L		3.66	5.9	6.96	HASL 300, U-02-RC M	GEL	/X/
Uranium-234, Dissolved	9.97	pCi/L		2.46	3.18	3.48	HASL 300, U-02-RC M	GEL	/X/
Uranium-235, Dissolved	1.07	pCi/L	U	1.36	1.26	1.27	HASL 300, U-02-RC M	GEL	/X/
Uranium-238, Dissolved	24.8	pCi/L		2.34	4.81	5.9	HASL 300, U-02-RC M	GEL	/X/
VOA									
1,1,1,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,1-Trichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2-Trichloroethane	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
1,1-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2,3-Trichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dibromo-3-chloropropane	0.0191	ug/L	U	0.0191			SW846-8011	GEL	/X/
1,2-Dibromoethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
1,2-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dimethylbenzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,4-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
2-Butanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
2-Hexanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
4-Methyl-2-pentanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acetone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrolein	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrylonitrile	5	ug/L	U	5			SW846-8260D	GEL	/X/
Benzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromochloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromodichloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromoform	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromomethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Carbon disulfide	5	ug/L	U	5			SW846-8260D	GEL	/X/
Carbon tetrachloride	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
Chloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chloroform	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
cis-1,2-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
cis-1,3-Dichloropropene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Dibromochloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Dibromomethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Ethylbenzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Iodomethane	5	ug/L	U	5			SW846-8260D	GEL	/X/
m,p-Xylene	2	ug/L	UY1	2			SW846-8260D	GEL	/X/ U,J
Methylene chloride	5	ug/L	U	5			SW846-8260D	GEL	/X/
Styrene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
Tetrachloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Toluene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U,J
Total Xylene	3	ug/L	UY1	3			SW846-8260D	GEL	/X/ U,J
trans-1,2-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
trans-1,3-Dichloropropene	1	ug/L	U	1			SW846-8260D	GEL	/X/
trans-1,4-Dichloro-2-butene	5	ug/L	U	5			SW846-8260D	GEL	/X/
Trichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Trichlorofluoromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/

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Vinyl acetate	5	ug/L	U	5	SW846-8260D	GEL	/X/
Vinyl chloride	1	ug/L	U	1	SW846-8260D	GEL	/X/
WETCHEM							
Carbonaceous Biochemical Oxygen Demand (CBOD)	2	mg/L	HUX	2	SM-5210B	GEL	T / X / BL-T
Chemical Oxygen Demand (COD)	22.8	mg/L		20	EPA-410.4	GEL	/X/
Cyanide	0.005	mg/L	U	0.005	SW846-9012B	GEL	/X/
Dissolved Solids	753	mg/L	*	10	EPA-160.1	GEL	/X/ J
Hardness - Total as CaCO3	403	mg/L		2	EPA-130.2	GEL	/X/
Suspended Solids	4.55	mg/L	U	4.55	EPA-160.2	GEL	/X/
Total Organic Carbon (TOC)	6.41	mg/L		1	SW846-9060A	GEL	/X/
Total Organic Halides (TOX)	38.1	ug/L		10	SW846-9020B	GEL	/X/

Paducah OREIS Report for ULS26-01

Sample ID: FBULS26-01	Station: QC	Date Collected: 2/10/2026	MedType: WQ	SmpMethod: GR
Comments:				

Analysis	Results	Units	Result Qual	Foot Note	Reporting Limit	Counting Error	TPU**	Method	LabCode	V/V/A*
ANION										
Bromide	0.2	mg/L	U		0.2			SW846-9056A	GEL	/X/
Chloride	0.2	mg/L	U		0.2			SW846-9056A	GEL	/X/
Fluoride	0.1	mg/L	U		0.1			SW846-9056A	GEL	/X/
Iodide	0.5	mg/L	UN		0.5			EPA-300.0	GEL	/X/U,J
Nitrate as Nitrogen	0.1	mg/L	UN		0.1			SW846-9056A	GEL	/X/U,J
Sulfate	0.4	mg/L	U		0.4			SW846-9056A	GEL	/X/
METAL										
Aluminum	0.05	mg/L	U		0.05			SW846-6020B	GEL	/X/
Antimony	0.003	mg/L	U		0.003			SW846-6020B	GEL	/X/
Arsenic	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Barium	0.004	mg/L	U		0.004			SW846-6020B	GEL	/X/
Beryllium	0.0005	mg/L	U		0.0005			SW846-6020B	GEL	/X/
Boron	0.015	mg/L	U		0.015			SW846-6020B	GEL	/X/
Cadmium	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Calcium	0.2	mg/L	U		0.2			SW846-6020B	GEL	/X/
Chromium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Cobalt	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Copper	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Iron	0.1	mg/L	U		0.1			SW846-6020B	GEL	/X/
Lead	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Magnesium	0.0133	mg/L	J		0.03			SW846-6020B	GEL	/X/
Manganese	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Mercury	0.0002	mg/L	U		0.0002			SW846-7470A	GEL	/X/
Molybdenum	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Nickel	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Phosphorus	0.05	mg/L	U		0.05			EPA-365.4	GEL	/X/
Potassium	0.3	mg/L	U		0.3			SW846-6020B	GEL	/X/
Rhodium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Selenium	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Silver	0.001	mg/L	U		0.001			SW846-6020B	GEL	/X/
Sodium	0.25	mg/L	U		0.25			SW846-6020B	GEL	/X/
Tantalum	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Thallium	0.002	mg/L	U		0.002			SW846-6020B	GEL	/X/
Tin	0.005	mg/L	U		0.005			SW846-6020B	GEL	/X/
Titanium	0.01	mg/L	U		0.01			SW846-6020B	GEL	/X/
Uranium	0.000145	mg/L	J		0.0002			SW846-6020B	GEL	/X/
Vanadium	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
Zinc	0.02	mg/L	U		0.02			SW846-6020B	GEL	/X/
OTHOR										
Oil and Grease	4.72	mg/L	U		4.72			EPA-1664A	GEL	/X/
PPCB										
PCB-1016	0.103	ug/L	U		0.103			SW846-8082A	GEL	/X/
PCB-1221	0.103	ug/L	U		0.103			SW846-8082A	GEL	/X/
PCB-1232	0.103	ug/L	U		0.103			SW846-8082A	GEL	/X/
PCB-1242	0.103	ug/L	U		0.103			SW846-8082A	GEL	/X/
PCB-1248	0.103	ug/L	U		0.103			SW846-8082A	GEL	/X/
PCB-1254	0.103	ug/L	U		0.103			SW846-8082A	GEL	/X/

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PCB-1260	0.103	ug/L	U	0.103			SW846-8082A	GEL	/X/
PCB-1268	0.103	ug/L	U	0.103			SW846-8082A	GEL	/X/
Polychlorinated biphenyl	0.103	ug/L	U	0.103			SW846-8082A	GEL	/X/

RADS

Alpha activity	-0.816	pCi/L	U	3.1	1.09	1.09	SW846-9310	GEL	/X/
Americium-241	0.518	pCi/L	U	1.5	0.922	0.924	HASL 300, Am-05-RC M	GEL	/X/
Beta activity	-0.917	pCi/L	U	4.92	2.55	2.55	SW846-9310	GEL	/X/
Cesium-137	0.264	pCi/L	U	0.997	0.555	0.568	EPA-901.1	GEL	/X/
Cobalt-60	-0.215	pCi/L	U	1.06	0.737	0.744	EPA-901.1	GEL	/X/
Neptunium-237	0.185	pCi/L	U	1.39	0.715	0.716	ASTM-1475-00M	GEL	/X/
Plutonium-239/240	-0.109	pCi/L	U	0.925	0.329	0.33	HASL 300, Pu-11-RC M	GEL	/X/
Radium-226	0.316	pCi/L	U	0.42	0.323	0.324	AN-1418	GEL	/X/
Radium-228	1.73	pCi/L	U	3.97	2.33	2.38	EPA-904.0-M	GEL	/X/
Strontium-90	-0.752	pCi/L	U	3.91	1.84	1.84	EPA-905.0-M	GEL	/X/
Technetium-99	-9.38	pCi/L	U	20.6	11.9	11.9	HASL 300, Tc-02-RC M	GEL	/X/
Thorium-230	-0.338	pCi/L	U	2.6	1.1	1.1	HASL 300, Th-01-RC M	GEL	/X/
Thorium-232	-0.186	pCi/L	U	1.43	0.496	0.497	HASL 300, Th-01-RC M	GEL	/X/
Thorium-234	-6.03	pCi/L	U	37.7	35.1	35.2	EPA-901.1	GEL	/X/
Total Uranium	0.34	pCi/L	U	3.74	1.72	1.72	HASL 300, U-02-RC M	GEL	/X/
Tritium	35.8	pCi/L	U	194	105	105	EPA-906.0-M	GEL	/X/
Uranium-234	-0.0114	pCi/L	U	2.44	1.11	1.11	HASL 300, U-02-RC M	GEL	/X/
Uranium-235	0.34	pCi/L	U	2.15	1.16	1.16	HASL 300, U-02-RC M	GEL	/X/
Uranium-238	-0.317	pCi/L	U	1.86	0.601	0.603	HASL 300, U-02-RC M	GEL	/X/

VOA

1,1,1,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,1-Trichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2,2-Tetrachloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1,2-Trichloroethane	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U, J
1,1-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,1-Dichloroethene	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2,3-Trichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dibromo-3-chloropropane	0.0192	ug/L	U	0.0192			SW846-8011	GEL	/X/
1,2-Dibromoethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U, J
1,2-Dichloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dichloropropane	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,2-Dimethylbenzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
1,4-Dichlorobenzene	1	ug/L	UY1	1			SW846-8260D	GEL	/X/ U, J
2-Butanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
2-Hexanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
4-Methyl-2-pentanone	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acetone	5.22	ug/L		5			SW846-8260D	GEL	/X/
Acrolein	5	ug/L	U	5			SW846-8260D	GEL	/X/
Acrylonitrile	5	ug/L	U	5			SW846-8260D	GEL	/X/
Benzene	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromochloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromodichloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromoform	1	ug/L	U	1			SW846-8260D	GEL	/X/
Bromomethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Carbon disulfide	5	ug/L	U	5			SW846-8260D	GEL	/X/
Carbon tetrachloride	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chlorobenzene	1.74	ug/L	Y1	1			SW846-8260D	GEL	/X/ J
Chloroethane	1	ug/L	U	1			SW846-8260D	GEL	/X/
Chloroform	0.34	ug/L	J	1			SW846-8260D	GEL	/X/
Chloromethane	1	ug/L	U	1			SW846-8260D	GEL	/X/

Paducah OREIS Report for ULS26-01

cis-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260D	GEL	/X/
cis-1,3-Dichloropropene	1	ug/L	U	1	SW846-8260D	GEL	/X/
Dibromochloromethane	1	ug/L	U	1	SW846-8260D	GEL	/X/
Dibromomethane	1	ug/L	U	1	SW846-8260D	GEL	/X/
Ethylbenzene	1	ug/L	U	1	SW846-8260D	GEL	/X/
Iodomethane	5	ug/L	U	5	SW846-8260D	GEL	/X/
m,p-Xylene	2	ug/L	UY1	2	SW846-8260D	GEL	/X/ U, J
Methylene chloride	0.6	ug/L	J	5	SW846-8260D	GEL	/X/
Styrene	1	ug/L	UY1	1	SW846-8260D	GEL	/X/ U, J
Tetrachloroethene	1	ug/L	U	1	SW846-8260D	GEL	/X/
Toluene	1	ug/L	UY1	1	SW846-8260D	GEL	/X/ U, J
Total Xylene	3	ug/L	UY1	3	SW846-8260D	GEL	/X/ U, J
trans-1,2-Dichloroethene	1	ug/L	U	1	SW846-8260D	GEL	/X/
trans-1,3-Dichloropropene	1	ug/L	U	1	SW846-8260D	GEL	/X/
trans-1,4-Dichloro-2-butene	5	ug/L	U	5	SW846-8260D	GEL	/X/
Trichloroethene	1	ug/L	U	1	SW846-8260D	GEL	/X/
Trichlorofluoromethane	1	ug/L	U	1	SW846-8260D	GEL	/X/
Vinyl acetate	5	ug/L	U	5	SW846-8260D	GEL	/X/
Vinyl chloride	1	ug/L	U	1	SW846-8260D	GEL	/X/
WETCHEM							
Chemical Oxygen Demand (COD)	20	mg/L	U	20	EPA-410.4	GEL	/X/
Hardness - Total as CaCO3	2	mg/L	U	2	EPA-130.2	GEL	/X/
Total Organic Carbon (TOC)	0.466	mg/L	J	1	SW846-9060A	GEL	/X/

Paducah OREIS Report for ULS26-01

Sample ID: **TBULS26-01**

Station: QC

Date Collected: 2/10/2026

MedType: WQ

SmpMethod: GR

Comments:

Analysis	Results	Units	Result Qual	Foot Note	Reporting Limit	Counting Error	TPU**	Method	LabCode	V/V/A*
VOA										
1,1,1,2-Tetrachloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,1,1-Trichloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,1,2,2-Tetrachloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,1,2-Trichloroethane	1	ug/L	UY1		1			SW846-8260D	GEL	/X/ U, J
1,1-Dichloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,1-Dichloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2,3-Trichloropropane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2-Dibromo-3-chloropropane	0.0191	ug/L	U		0.0191			SW846-8011	GEL	/X/
1,2-Dibromoethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2-Dichlorobenzene	1	ug/L	UY1		1			SW846-8260D	GEL	/X/ U, J
1,2-Dichloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2-Dichloropropane	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,2-Dimethylbenzene	1	ug/L	U		1			SW846-8260D	GEL	/X/
1,4-Dichlorobenzene	1	ug/L	UY1		1			SW846-8260D	GEL	/X/ U, J
2-Butanone	5	ug/L	U		5			SW846-8260D	GEL	/X/
2-Hexanone	5	ug/L	U		5			SW846-8260D	GEL	/X/
4-Methyl-2-pentanone	5	ug/L	U		5			SW846-8260D	GEL	/X/
Acetone	5	ug/L	U		5			SW846-8260D	GEL	/X/
Acrolein	5	ug/L	U		5			SW846-8260D	GEL	/X/
Acrylonitrile	5	ug/L	U		5			SW846-8260D	GEL	/X/
Benzene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Bromochloromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Bromodichloromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Bromoform	1	ug/L	U		1			SW846-8260D	GEL	/X/
Bromomethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Carbon disulfide	5	ug/L	U		5			SW846-8260D	GEL	/X/
Carbon tetrachloride	1	ug/L	U		1			SW846-8260D	GEL	/X/
Chlorobenzene	2.09	ug/L	Y1		1			SW846-8260D	GEL	/X/ J
Chloroethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Chloroform	1	ug/L	U		1			SW846-8260D	GEL	/X/
Chloromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
cis-1,2-Dichloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
cis-1,3-Dichloropropene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Dibromochloromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Dibromomethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Ethylbenzene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Iodomethane	5	ug/L	U		5			SW846-8260D	GEL	/X/
m,p-Xylene	2	ug/L	UY1		2			SW846-8260D	GEL	/X/ U, J
Methylene chloride	0.66	ug/L	J		5			SW846-8260D	GEL	/X/
Styrene	1	ug/L	UY1		1			SW846-8260D	GEL	/X/ U, J
Tetrachloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Toluene	1	ug/L	UY1		1			SW846-8260D	GEL	/X/ U, J
Total Xylene	3	ug/L	UY1		3			SW846-8260D	GEL	/X/ U, J
trans-1,2-Dichloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
trans-1,3-Dichloropropene	1	ug/L	U		1			SW846-8260D	GEL	/X/
trans-1,4-Dichloro-2-butene	5	ug/L	U		5			SW846-8260D	GEL	/X/
Trichloroethene	1	ug/L	U		1			SW846-8260D	GEL	/X/
Trichlorofluoromethane	1	ug/L	U		1			SW846-8260D	GEL	/X/
Vinyl acetate	5	ug/L	U		5			SW846-8260D	GEL	/X/

Paducah OREIS Report for ULS26-01

Vinyl chloride 1 ug/L U 1 SW846-8260D GEL /x/
