Department of Energy

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July 26, 2024

Ms. April Webb
Interim Federal Facility Agreement Manager
Division of Waste Management
Kentucky Department for Environmental Protection
300 Sower Boulevard, 2nd Floor
Frankfort, Kentucky 40601

PPPO-02-10028223-24B

Mr. Victor Weeks
Federal Facility Agreement Manager
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street
Atlanta, Georgia 30303

Dear Ms. Webb and Mr. Weeks:

TRANSMITTAL OF THE SITE EVALUATION REPORT FOR THE C-721 GAS MANIFOLD STORAGE SLAB AND UNDERLYING SOILS (AREA OF CONCERN 575) AT THE PADUCAH GASEOUS DIFFUSION PLANT, PADUCAH, KENTUCKY, DOE/LX/07-2505&D1

In accordance with Appendix 4 of the approved site management plan (SMP) of the Paducah Federal Facility Agreement (FFA), the U.S. Department of Energy (DOE) is submitting the D1 *Site Evaluation Report for the C-721 Gas Manifold Storage Slab and Underlying Soils (Area of Concern 575) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2505&D1 (SE), to the U.S. Environmental Protection Agency (EPA) and the Kentucky Department for Environmental Protection (KDEP) for review and comment.

A joint policy issued under the DOE and EPA memorandum, dated May 22, 1995, *Policy on Decommissioning Department of Energy Facilities Under CERCLA*, establishes a framework for conducting the decommissioning of DOE facilities and provides guidance on the use of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) response authority to decommission DOE facilities. This policy states that DOE is required to conduct a removal site evaluation, in accordance with the National Contingency Plan and interagency agreements (i.e., FFA) to assess site conditions and determine whether a release, or substantial threat of release, exists at the facility. DOE, EPA, and KDEP have agreed to conduct decontamination and decommissioning activities at the Paducah Site under the existing FFA. Section IX, Site Evaluation(s), of the FFA requires DOE to conduct integrated site evaluations that consist of the removal site evaluation, remedial site evaluation, and solid waste management unit (SWMU) assessment report. These integrated site evaluations are to be documented in an SE report.

A consultation for demolition outside of CERCLA of the C-721 Gas Manifold Storage facility was concurred on by the FFA parties on March 4, 2021. The SMP requires that a site evaluation for the underlying slab and soils be performed in concert with deactivation of the facility. Deactivation of the facility is complete and demolition took place in May 2024. Submittal of the enclosed SE report serves as the notification required by Kentucky Hazardous Waste Management Facility Permit KY8-890-008-982 (Permit) Condition IV.B.1 and serves as a SWMU assessment report for the newly identified area of concern (AOC) in accordance with Condition IV.B.2 of the Permit. This AOC is designated as AOC 575. DOE requests that AOC 575 be added to Appendix A of the Permit during the next Permit update. Additionally, the enclosed SE report recommends a Resource Conservation and Recovery Act Facility Investigation/Remedial Investigation for AOC 575 be conducted under the FFA. The AOC will be assigned to the Soils and Slabs Operable Unit in Appendix 4 of the fiscal year 2025 SMP.

In accordance with Section XX of the FFA, EPA and KDEP have a 30-day review period to provide comments and/or approval of the document. If additional information is needed, please contact me at (270) 217-2029.

Sincerely,

APRIL LADD

Digitally signed by APRIL LADD
Date: 2024.07.26 14:20:19 -05'00'

April Ladd
Federal Facility Agreement Manager
Portsmouth/Paducah Project Office

Enclosures:

1. Certification Page
2. *Site Evaluation Report for the C-721 Gas Manifold Storage Slab and Underlying Soils (Area of Concern 575) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky*, DOE/LX/07-2505&D1

Administrative Record File—ARF-ARR

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CERTIFICATION

Document Identification: ***Site Evaluation Report for the C-721 Gas Manifold Storage Slab and Underlying Soils (Area of Concern 575) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,*** **DOE/LX/07-2505&D1, dated July 2024.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those 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 knowing violations.

Four Rivers Nuclear Partnership, LLC

MYRNA REDFIELD (Affiliate) Digitally signed by MYRNA REDFIELD (Affiliate)
Date: 2024.07.25 05:41:07 -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 according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those 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 knowing violations.

U.S. Department of Energy

APRIL LADD Digitally signed by APRIL LADD
Date: 2024.07.25 10:41:01
-05'00'

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

DOE/LX/07-2505&D1
Primary Document

Site Evaluation Report for the C-721 Gas Manifold Storage Slab and Underlying Soils (Area of Concern 575) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky

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Primary Document

Site Evaluation Report for the C-721 Gas Manifold Storage Slab and Underlying Soils (Area of Concern 575) at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky

Date Issued—July 2024

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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CONTENTS

FIGURES

TABLES

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ACRONYMS

AL	action level
AOC	area of concern
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
FFA	Federal Facility Agreement
NAL	no action level
NTCRA	non-time-critical removal action
OU	operable unit
RCRA	Resource Conservation and Recovery Act of 1976
RGA	Regional Gravel Aquifer
RI	remedial investigation
SE	site evaluation
SER	site evaluation report
SSL	soil screening level
SVOA	semivolatile organic analyte
SWMU	solid waste management unit
USEC	United States Enrichment Corporation
VOA	volatile organic analyte

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1. FACILITY NUMBER/NAME

C-721 Gas Manifold Storage

2. SOLID WASTE MANAGEMENT UNIT/AREA OF CONCERN NUMBER/DESCRIPTION

AOC 575—C-721 Gas Manifold Storage Slab and Underlying Soils

3. DATE

July 10, 2024

4. REGULATORY STATUS

A joint policy issued under a U.S. Department of Energy (DOE) and U.S. Environmental Protection Agency (EPA) Memorandum dated May 22, 1995, *Policy on Decommissioning Department of Energy Facilities Under CERCLA* (DOE 1995), establishes a framework for conducting the decommissioning of DOE facilities and provides guidance on the use of Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) response authority to decommission DOE facilities. The policy states that DOE is required to conduct a removal site evaluation (SE) in accordance with the *National Oil and Hazardous Substances Pollution Contingency Plan* and interagency agreements [i.e., Federal Facility Agreement (FFA)] to assess site conditions and determine whether a release or substantial threat of release exists at the facility. At any facility for which DOE conducts a removal SE, DOE will consult with EPA and will provide, as requested, EPA with such information necessary for EPA to review such evaluation. DOE, EPA, and the Commonwealth of Kentucky have agreed to conduct decontamination and decommissioning activities at the Paducah Gaseous Diffusion Plant under the existing FFA. Section IX, Site Evaluations, of the FFA requires DOE to conduct integrated SEs that consist of the removal SE, remedial SE, and solid waste management unit (SWMU) assessment report. The integrated SEs are to be documented in a site evaluation report (SER) consistent with the format in Appendix D of the FFA (EPA 1998).

This facility was previously reviewed through the consultation process with the FFA parties, and it was determined that a CERCLA non-time-critical removal action (NTCRA) was not required for demolition of aboveground structure and that, based on the construction and historical use, the slab and underlying soils would undergo further CERCLA evaluation as part of a future SE conducted under the site management plan in concert with the deactivation of the facility (DOE 2023). The purpose of this SER is to further evaluate the slab and underlying soils associated with C-721 Gas Manifold Storage, as recommended by the FFA parties, and designate any potential threat of release of hazardous substances to the environment as a SWMU and/or area of concern (AOC).

Based on historical information associated with past operations at C-721, which includes potential leaks and spills within the building, it has been determined that the C-721 slab and underlying soils may contain contaminants that could pose a potential threat of release of hazardous substances (see Section 11). These contaminants may include per- and polyfluoroalkyl substances. The presence of these contaminants warrants that the soils and slabs associated with C-721 be designated as an AOC (AOC 575). Additionally, based on historical information, a Resource Conservation and Recovery Act of 1976 (RCRA) facility investigation [i.e., remedial investigation (RI)] is necessary for the AOC.

5. LOCATION

C-721 is located in the central portion of the Paducah Site industrialized area, north of the C-720 Maintenance and Storage Building (see Figure 1, Aerial Photograph Showing the C-721 Gas Manifold Storage Location, and Figure 2, Map Showing the C-721 Gas Manifold Storage Location).

6. APPROXIMATE DIMENSION OR CAPACITY

C-721 was originally constructed in 1952–1953 as an open, structural, steel frame facility on an elevated concrete pad. The C-721 slab has a total square footage of approximately 962 ft^2 (see Figure A.3, Engineering Drawing E16-1-A).

Additional engineering drawings are provided in an Appendix A to this report.

7. FUNCTION

C-721 was used originally as a gas manifold facility, but it was converted to a radiological instrument calibration facility and later was used for storage by fire services, health physics, stores, and environmental services. Additionally, a lube oil shop potentially was located in C-721 during the late 1970s/early 1980s.

8. BRIEF HISTORY

The building was originally constructed in 1952–1953 as a gas manifold facility. Oxygen gas and pyrofax (propane) gas were distributed via hard piping from the C-721 building to the C-720 building.

In 1954, the facility underwent modification and was subsequently converted to support the calibration of radiological instruments. During this modification, a steel pipe well was installed that extended downward into the floor and housed a cobalt source that was used to calibrate radiological instruments (Figure 3). The steel pipe well was designed with a welded steel bottom that was intended to be watertight. Radiological calibration involved the use of the steel well that contained the cobalt source and other sealed sources that were stored within the building.

After the 1954 modification, the building was subsequently modified to add exterior cement panel walls to completely enclose the facility on each side and to remove the gas manifold system (see Figure A.4., Engineering Drawing: D-PS-P3002_0001_0001_U-076908).

Radiological calibration ceased in the facility in the 1980s, but the facility continued to be used for material storage. It was leased by the United States Enrichment Corporation (USEC) from the early 1990s until USEC ceased operation in 2014.

After transition from USEC to DOE in 2014, the building continued to be used by DOE contractors for storage of materials.

The building's aboveground structure was demolished in early 2024.

9. OPERATIONAL STATUS

Demolished

10. DATES OPERATED

1953–2023

11. SITE/PROCESS DESCRIPTION

C-721 historically operated as a gas manifold facility that was responsible for distributing oxygen gas and pyrofax (propane) gas from the C-721 building to the C-720 building or as an area for calibration of radiological instruments. The building no longer houses the manifold system, gas cylinders, or radiological calibration sources. Access to the concrete structure surrounding the steel cobalt well is still present. The aboveground structure of the facility was deactivated and demolished in May 2024.

Figure 4 shows the exterior of C-721 prior to demolition.

Figures 5–7 show the remaining slab C-721 post demolition of the aboveground structure.

12. WASTE DESCRIPTION

C-721 historically housed various gases (e.g., oxygen, propane), fire-retardant foaming agents, oils and/or greases, radiological calibration sources (e.g., cobalt), and radioactive material areas.

Evidence of past spills and leaks on the slab have included the following:

- Leaking valve on stored propane tanks;
- Leaking containers of fire retardant foaming agents;
  - — Aqueous film-forming foam agent
  - — Protein/XL-3 agent
- Visible staining on floor; and
- Fire extinguisher dry powder agent on floor from Amerex Corporation ABC fire extinguishers.

This is based on spill reports and employee interviews. Visible staining on the floor of C-721 is shown in Figure 8.

Building materials used for construction could contain lead-based paints and asbestos-containing materials.

The aboveground structure of the facility was deactivated and demolished in May 2024. The steel well that historically housed the cobalt radiological calibration source and the concrete structure surrounding the well will remain as part of the underlying slab.

13. WASTE QUANTITY

Waste removed from the C-721 Gas Manifold Storage facility in 2024 included 495 cubic yards (yd^3) of non-asbestos containing material (ACM) waste debris and 97 yd^3 of non-friable ACM waste debris.

A projected waste volume associated with the C-721 slab and underlying soils is uncertain. The extent of contamination and volume will be defined during a future RI/feasibility study based on sample collection.

14. SUMMARY OF ENVIRONMENTAL SAMPLING DATA

Limited sampling of environmental media has occurred near C-721. Environmental sampling data were obtained from the Paducah Oak Ridge Environmental Information System. Historical data are presented in Appendix B. SWMU and sampling locations within a 50 ft boundary of C-721 are shown in Figure 9. Samples within this boundary were collected from a nearby SWMU, SWMU 211-A, C-720 TCE Spill Site

Northeast, as part of a remedial design site investigation and as part of an RI for the Soils Operable Unit (OU) and may not have targeted releases or potential contaminants of concern (COCs) originating from C-721.

Surface soil samples were collected from locations SOU211-001L and SOU211-001M (shown on the north and northeast, and west sides of C-721 on Figure 9). Samples were collected in 2014, as part of the Soils OU RI (DOE 2016a). Metals and polychlorinated biphenyls (PCBs) were analyzed in the samples.

Shallow subsurface soil samples [less than 10 ft below ground surface (bgs)] were collected from locations SOU211-001L and SOU211-001M as well as from locations 211-A-013, 211-A-029, 211-A-033, 211-A-035, 211-A-042, 211-A-043, and 211-A-044 (shown on all sides of C-721 on Figure 9). Samples from locations SOU211-001L and SOU211-001M were collected in 2014, as part of the Soils OU RI (DOE 2016a). Metals and PCBs were analyzed in the samples. In addition, volatile organic analytes (VOAs), semivolatile organic analytes (SVOAs), and radionuclides were analyzed in the SOU211-001M samples. The remaining shallow subsurface soil samples were collected in 2012 and 2013 as part of the Southwest Plume remedial design site investigation (DOE 2013). Metals, PCBs, VOAs, SVOAs, and radionuclides were analyzed in the samples.

Deeper subsurface soil samples (greater than 10 ft bgs) were collected from locations 211-A-013, 211-A-029, 211-A-033, 211-A-035, 211-A-042, 211-A-043, and 211-A-044. Samples were collected in 2012 and 2013 as part of the Southwest Plume remedial design site investigation (DOE 2013). Only VOAs were analyzed in these samples.

Groundwater samples were collected from location 211-A-048 in 2015 as part of the SWMU 211-A/SWMU 211-B, C-720 TCE Spill Site Southeast, Regional Gravel Aquifer (RGA) groundwater sampling, documented in the remedial design site investigation (DOE 2016b). Only VOAs were analyzed in these samples.

15. DESCRIPTION OF RELEASE AND MEDIA AFFECTED

Groundwater:	None Known
Surface Water:	None Known
Soil:	None Known
Ecology Affected (i.e., threatened/endangered species)**:**	None Known
Air:	None Known

During walkdowns in October 2020 and December 2020, areas inside the facility were visually observed to have had a spill or release, and stains were identified on the floors (Figure 8); however, it is not known whether these spills have reached the environment.

16. DOCUMENTATION OF NO RELEASE

The C-721 Gas Manifold Storage facility has not been identified as a SWMU or AOC; however, based on evidence of historical spills to the facility slab, release to the environment is possible. Based on historical information associated with past operations at the facility, it is recommended that the soils and slab beneath C-721 be designated as AOC 575 (see Figure 10).

17. IMPACT ON OR BY OTHER SWMU/AOC

There are no other SWMUs/AOCs located within a 50 ft boundary of C-721 as shown on Figure 9; however, SWMU 211-A is in relatively close proximity. Historical sampling data near C-721 was collected as part of SWMU 211-A investigations.

18. PRELIMINARY REMEDIATION GOAL COMPARISON

Sample locations were identified within a 50 ft boundary of C-721 as described in Section 14. Action levels (ALs), no action levels (NALs), soil screening levels (SSLs), and background concentrations were taken from *Methods for Conducting Risk Assessments and Risk Evaluations at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky Volume 1. Human Health* (DOE 2024). Samples within this boundary were collected for SWMU 211-A. The original sampling strategy may not have targeted releases or potential COCs originating from C-721; additional sampling may be necessary.

Surface soil samples did not detect any metals greater than background (if available) and industrial worker NAL. One PCB result was detected at > 50 mg/kg. These data are summarized in Table 1.

Maximum detections in shallow subsurface soil samples indicated that only iron at 28,865 mg/kg was greater than background (if background values are available) and excavation worker NAL (23,000 mg/kg). These data are summarized in Table 2.

In deeper subsurface soil samples, the following maximum detected concentrations exceed SSLs for protection of RGA groundwater at a dilution attenuation factor of 20: 1,1-dichloroethene at 2.9 mg/kg (greater than the SSL of 0.0503 mg/kg), *cis*-1,2,dichloroethene at 0.52 mg/kg (greater than the SSL of 0.412 mg/kg), and trichloroethene at 2.6 mg/kg (greater than the SSL of 0.0357 mg/kg). These data are summarized in Table 3.

RGA groundwater detections indicate maximum concentrations of 1,1-dichloroethene at 56 µg/L (greater than the child resident NAL of 28.5 µg/L), *cis*-1,2-dichloroethene at 740 µg/L (greater than the child resident NAL of 2.52 µg/L), trichloroethene at 260 µg/L (greater than the child resident NAL of 0.283 µg/L), and vinyl chloride at 79 µg/L (greater than the child resident NAL of 0.0188 µg/L). These data are summarized in Table 4.

19. RCRA FACILITY INVESTIGATION NECESSARY

A RCRA facility investigation/RI is recommended for the C-721 slab and underlying soils due to evidence of past spills and leaks, which includes visible staining from stored tanks, containers, and fire-fighting agents on the floor of the facility.

The C-721 slab and underlying soils will be evaluated further under the Soils and Slabs OU. This RI will define the nature and extent of contamination associated with AOC 575.

20. CERCLA NTCRA NECESSARY

A CERCLA NTCRA is not necessary for demolition of the C-721 facility (aboveground structure) following completion of deactivation. Determination to demolish C-721 outside of CERCLA was agreed to in consultation with the FFA parties on March 4, 2021 (FRNP 2021). Demolition was completed in May 2024.

All applicable laws, regulations, and DOE procedures and/or protocols were followed to ensure that the demolition and disposal of the aboveground structure occured in a safe, compliant manner, which included conducting additional radiological characterization through confirmation radiological surveys, as necessary, to support demolition and waste disposition.

21. OU ASSIGNMENT

It is recommended that the newly designated AOC (i.e., AOC 575) be assigned to the Soils and Slabs OU.

22. REFERENCES

DOE (U.S. Department of Energy) 1995. *Policy on Decommissioning of Department of Energy Facilities Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)*, Joint policy from the U.S. Department of Energy and U.S. Environmental Protection Agency, May 22.

DOE 2013. *Final Characterization Report for Solid Waste Management Units 211-A and 211-B Volatile Organic Compound Sources for the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-1288&D2, U.S. Department of Energy, Paducah, KY, December.

DOE 2016a. *Soils Operable Unit Remedial Investigation 2 Report at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-2306&D2, U.S. Department of Energy, Paducah, KY, March.

DOE 2016b. *Addendum to the Final Characterization Report for Solid Waste Management Units 211-A and 211-B Volatile Organic Compound Sources for the Southwest Groundwater Plume at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-1288&D2/A1/R1, U.S. Department of Energy, Paducah, KY, April.

DOE 2018. *Remedial Investigation/Feasibility Study Report for CERCLA Waste Disposal Alternatives Evaluation at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky,* DOE/LX/07-0244&D2/R2, U.S. Department of Energy, Paducah, KY, July.

DOE 2023. *Site Management Plan, Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Annual Revision—FY 2024*, DOE/LX/07-2495&D1, U.S. Department of Energy, Paducah, KY, November.

DOE 2024. *DRAFT Methods for Conducting Risk Assessments and Risk Evaluations at the Paducah Gaseous Diffusion Plant, Paducah, Kentucky, Volume 1. Human Health*, DOE/LX/07-0107&D2/R15/V1, U.S. Department of Energy, Paducah, KY, April.

EPA (U.S. Environmental Protection Agency) 1998. *Federal Facility Agreement for the Paducah Gaseous Diffusion Plant*, DOE/OR/07-1707, U.S. Environmental Protection Agency, Atlanta, GA, February.

FRNP (Four Rivers Nuclear Partnership, LLC) 2021. *C-721 Gas Manifold Storage Building Facility Overview Briefing*, Four Rivers Nuclear Partnership, LLC, March 4.

Figure 1. Aerial Photograph Showing the C-721 Gas Manifold Storage Location

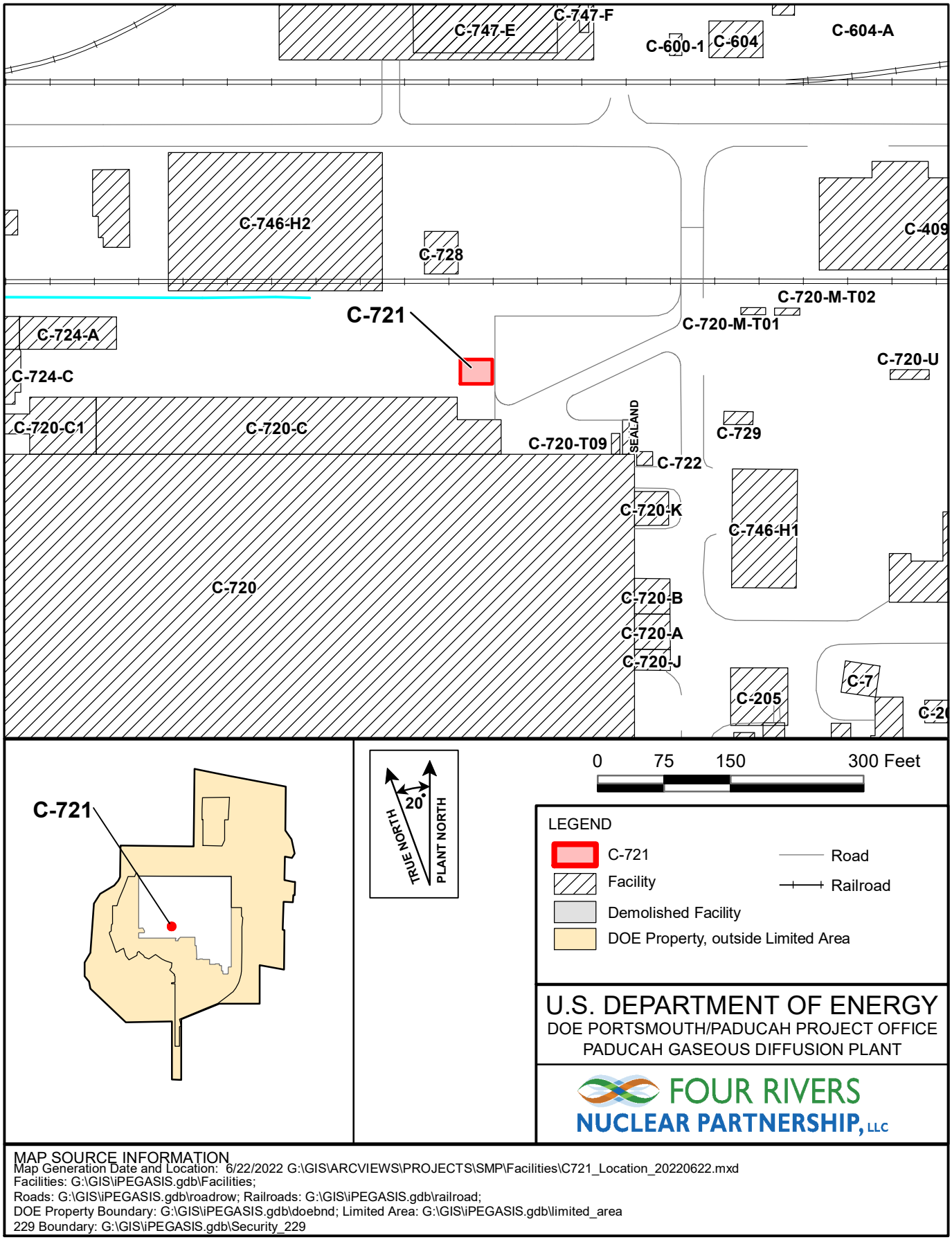

Figure 2. Map Showing C-721 Gas Manifold Storage Location

Figure 3. Steel Pipe Well (October 2020)

Looking Northwest

Looking South

Looking East

Looking West

Figure 4. Exterior of C-721 (August 2020)

Figure 5. Remaining C-721 Slab Facing East (June 2024)

Figure 6. Concrete Structure Surrounding the Steel Cobalt Well on Remaining Slab Facing North

Figure 7. Concrete Structure Surrounding the Steel Cobalt Well on Remaining Slab Facing West

Figure 8. Evidence of Past Spill Staining in C-721

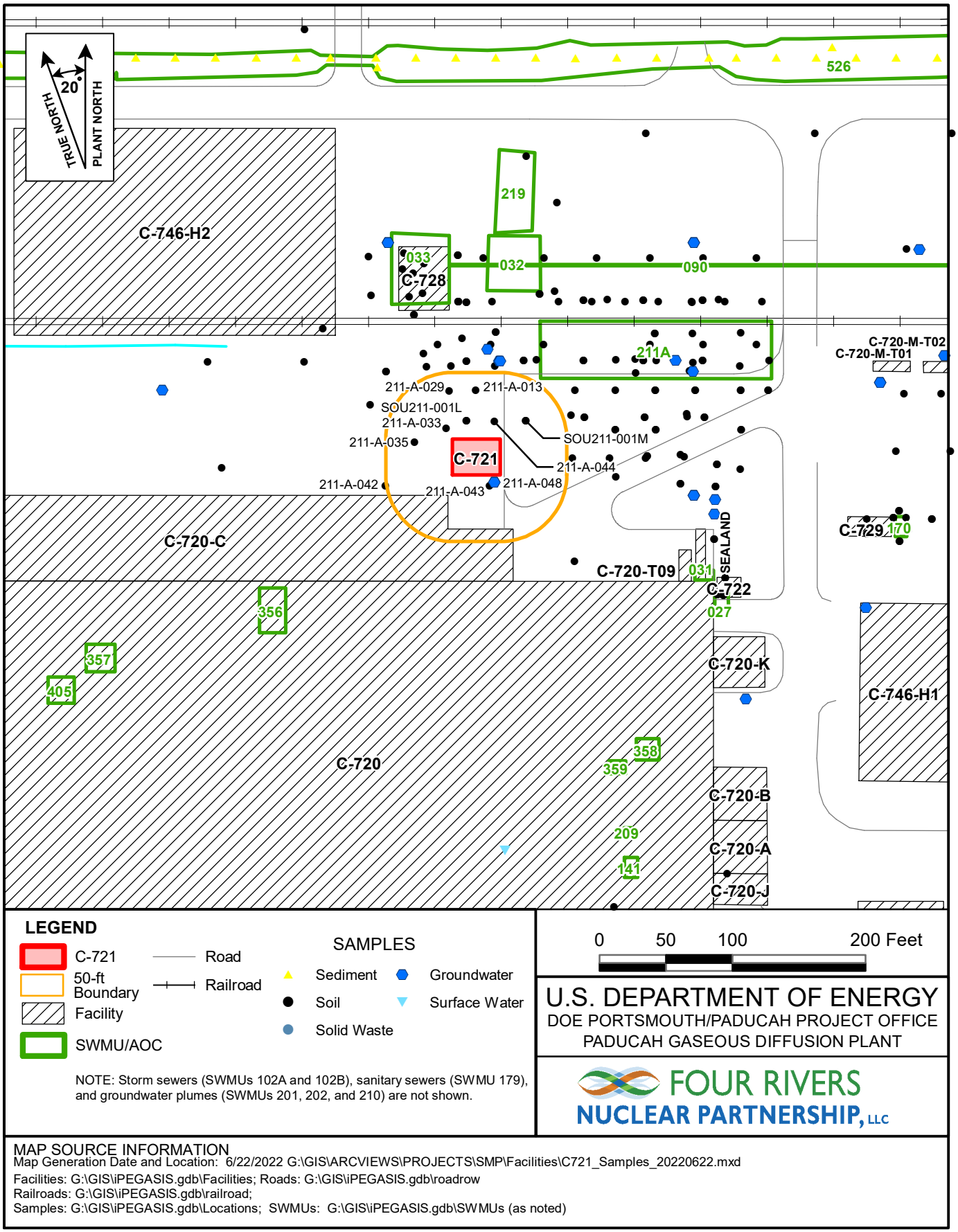

Figure 9. SWMUs and Sampling Locations near C-721

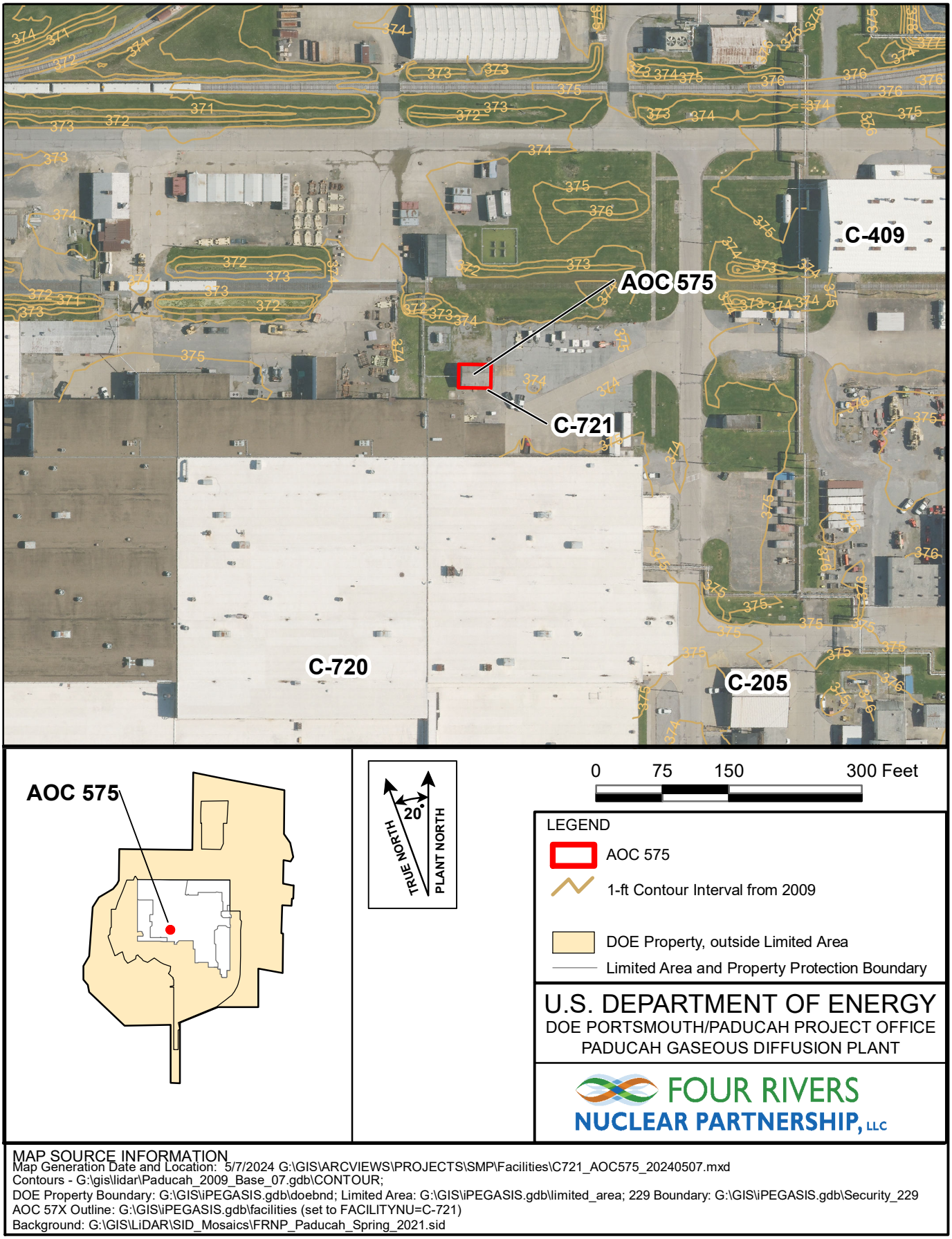

Figure 10. C-721 Slab and Underlying Soils (AOC 575)

Table 1. Summary of Environmental Sampling Data—Surface Soils

Analysis	Maximum Detected Result	Frequency of Detection[a]	Frequency of Detection*		Reference Values	
			Above Background Value	Above Industrial Worker NAL	Background Value	Industrial Worker NAL
Organics—PCBs (mg/kg)						
PCB, Total	> 50	1/3	N/A	1/3	N/A	0.293
Inorganics (mg/kg)						
Copper	32	2/3	2/3	0/3	19	9,340
Iron	24,742	3/3	0/3	0/3	28,000	100,000
Manganese	411	3/3	0/3	0/3	1,500	4,720
Nickel	23	2/3	1/3	0/3	21	2,990
Vanadium	108	2/3	2/3	0/3	38	1,150
Zinc	100	3/3	1/3	0/3	65	70,100

*Frequency of detection is the number of detections of an analyte per number of analyses, which includes regular and duplicate samples.
N/A = not applicable
Reference values for background and NALs are taken from *Methods for Conducting Risk Assessments and Risk Evaluations at the Paducah Gaseous Diffusion Plant Paducah, Kentucky, Volume 1. Human Health* (DOE 2024).

Table 2. Summary of Environmental Sampling Data—Shallow Subsurface Soils

Analysis	Maximum Detected Result	Frequency of Detection[a]	Frequency of Detection[a]		Reference Values	
			Above Background Value	Above Excavation Worker NAL	Background Value	Excavation Worker NAL
Organics—VOAs (mg/kg)						
cis-1,2-Dichloroethene	0.630	7/15	N/A	0/15	N/A	31.2
Toluene	0.150	1/1	N/A	0/1	N/A	2,180
Trichloroethene	0.044	4/15	N/A	0/15	N/A	2.26
Vinyl Chloride	0.078	2/15	N/A	0/15	N/A	4.72
Organics—SVOAs (mg/kg)						
Total PAHs	0.007385	1/1	N/A	0/1	N/A	2.35
Organics—PCBs (mg/kg)						
PCB, Total	69	2/3	N/A	2/3	N/A	1.12
PCB-1254	69	1/1	N/A	1/1	N/A	0.324
Inorganics (mg/kg)						
Aluminum	5,900	1/1	0/1	0/1	12,000	32,600
Antimony	0.12	1/1	0/1	0/1	0.21	13.2
Arsenic	6.2	1/3	0/3	1/3	7.9	3.74
Barium	130	1/1	0/1	0/1	170	6,470
Beryllium	0.51	1/1	0/1	0/1	0.69	65.5
Chromium	10	1/3	0/3	0/3	43	49,300[b]
Cobalt	8.5	1/1	0/1	0/1	13	9.84
Copper	36	2/3	1/3	0/3	25	1,320
Iron	28,865	3/3	1/3	1/3	28,000	23,000
Lead	8.2	1/3	0/3	0/3	23	800
Manganese	342	3/3	0/3	0/3	820	774
Mercury	0.011	1/3	0/3	0/3	0.13	9.86

Table 2. Summary of Environmental Sampling Data—Shallow Subsurface Soils (Continued)

Analysis	Maximum Detected Result	Frequency of Detection[a]	Frequency of Detection[a]		Reference Values	
			Above Background Value	Above Excavation Worker NAL	Background Value	Excavation Worker NAL
Inorganics (mg/kg)						
Molybdenum	0.36	1/3	N/A	0/3	N/A	164
Nickel	16	3/3	0/3	0/3	22	621
Selenium	0.85	1/3	1/3	0/3	0.7	164
Silver	0.02	1/3	0/3	0/3	2.7	164
Thallium	0.14	1/1	0/1	0/1	0.34	0.329
Uranium	0.91	1/3	0/3	0/3	4.6	6.58[c]
Vanadium	94	3/3	2/3	0/3	37	165
Zinc	38	3/3	0/3	0/3	60	9,860
Radionuclides (pCi/g)						
Plutonium-238	0.0131	1/1	N/A	0/1	N/A	0.39
Thorium-230	1.04	1/1	0/1	1/1	1.4	0.402
Thorium-232	0.96	1/1	0/1	1/1	1.5	0.429
Uranium-234	0.781	1/1	0/1	1/1	1.2	0.398
Uranium-235	0.0493	1/1	0/1	0/1	0.06	1.56
Uranium-238	0.926	1/1	0/1	1/1	1.2	0.391

[a] Frequency of detection is the number of detections of an analyte per number of analyses (includes regular and duplicate samples).
[b] Chromium uses the NAL for Chromium III.
[c] Uranium uses the NAL for Uranium (Soluble Salts).
N/A = not applicable
Reference values for background and NALs are taken from *Methods for Conducting Risk Assessments and Risk Evaluations at the Paducah Gaseous Diffusion Plant Paducah, Kentucky, Volume 1. Human Health* (DOE 2024). Radionuclide NALs use the values for secular equilibrium.

Table 3. Summary of Environmental Sampling Data—Deep Subsurface Soils

Analysis	Maximum Detected Result	Frequency of Detection*	Frequency of Detection*		Reference Values	
			Above Background Value	Above SSL	Background Value	SSL
Organics—VOAs (mg/kg)						
1,1-Dichloroethene	2.9	48/81	N/A	18/81	N/A	0.0503
cis-1,2-Dichloroethene	0.52	45/81	N/A	1/81	N/A	0.412
Trichloroethene	2.6	60/81	N/A	29/81	N/A	0.0357
Vinyl chloride	0.0099	11/81	N/A	0/81	N/A	0.0138

[*] Frequency of detection is the number of detections of an analyte per number of analyses (includes regular and duplicate samples).
N/A = not applicable
Reference values for background and SSLs are taken from *Methods for Conducting Risk Assessments and Risk Evaluations at the Paducah Gaseous Diffusion Plant Paducah, Kentucky, Volume 1. Human Health* (DOE 2024). SSLs use the values for protection of RGA groundwater at the maximum contaminant level and a dilution attenuation factor of 20.

Table 4. Summary of Environmental Sampling Data—RGA Groundwater

Analysis	Maximum Detected Result	Frequency of Detection[a]	Frequency of Detection*		Reference Values	
			Above Background Value	Above Child Resident NAL	Background Value	Child Resident NAL
Organics—VOAs (µg/L)						
1,1-Dichloroethene	56	8/8	N/A	2/8	N/A	28.5
cis-1,2-Dichloroethene	740	8/8	N/A	8/8	N/A	2.52
trans-1,2-Dichloroethene	0.8	8/8	N/A	0/8	N/A	6.78
Trichloroethene	260	8/8	N/A	8/8	N/A	0.283
Vinyl chloride	79	8/8	N/A	8/8	N/A	0.0188

*Frequency of detection is the number of detections of an analyte per number of analyses (includes regular and duplicate samples).
N/A = not applicable
Reference values for background and NALs are taken from *Methods for Conducting Risk Assessments and Risk Evaluations at the Paducah Gaseous Diffusion Plant Paducah, Kentucky, Volume 1. Human Health* (DOE 2024).

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APPENDIX A

ENGINEERING DRAWINGS

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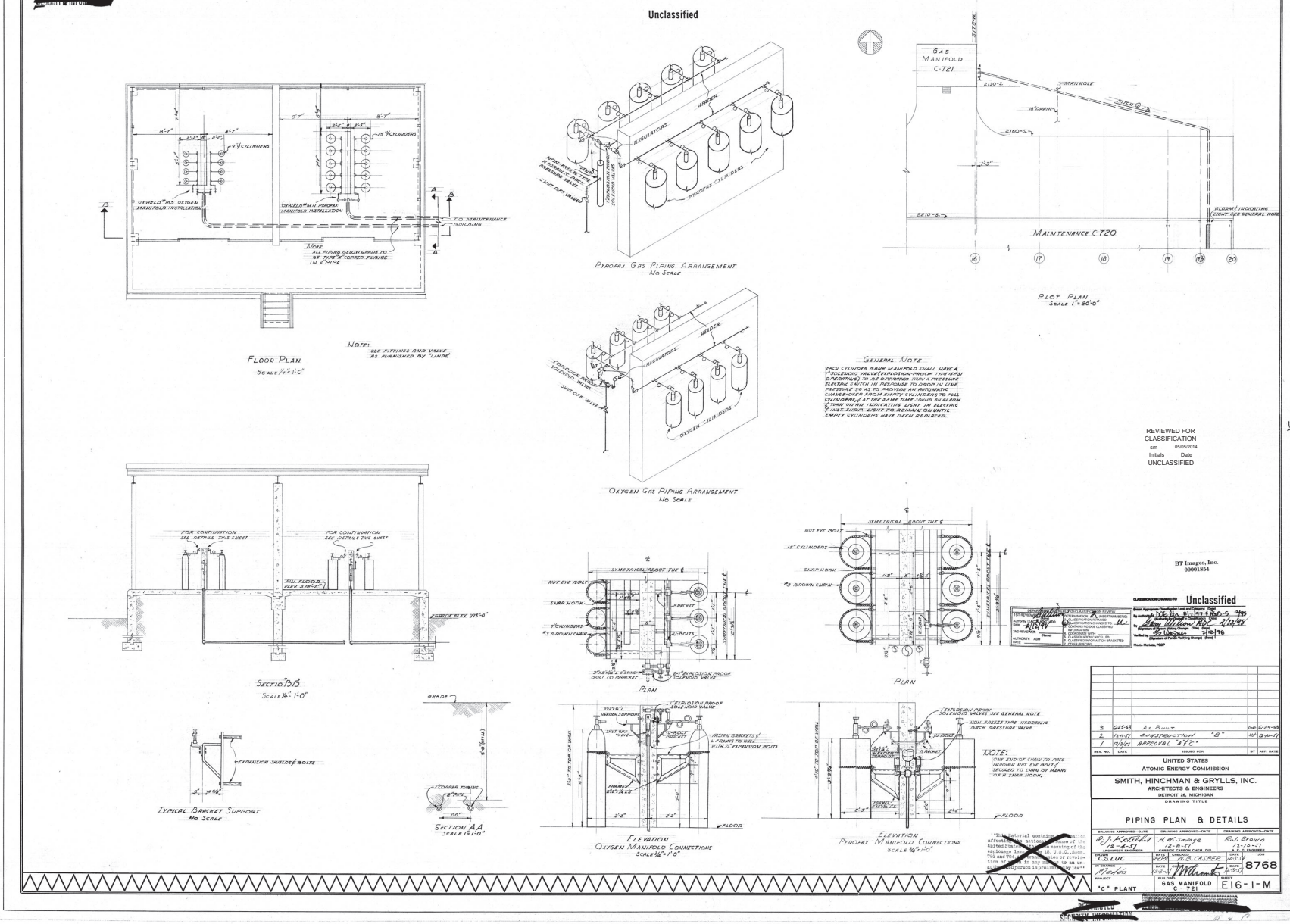

Figure A.1. Engineering Drawing E16-1-M

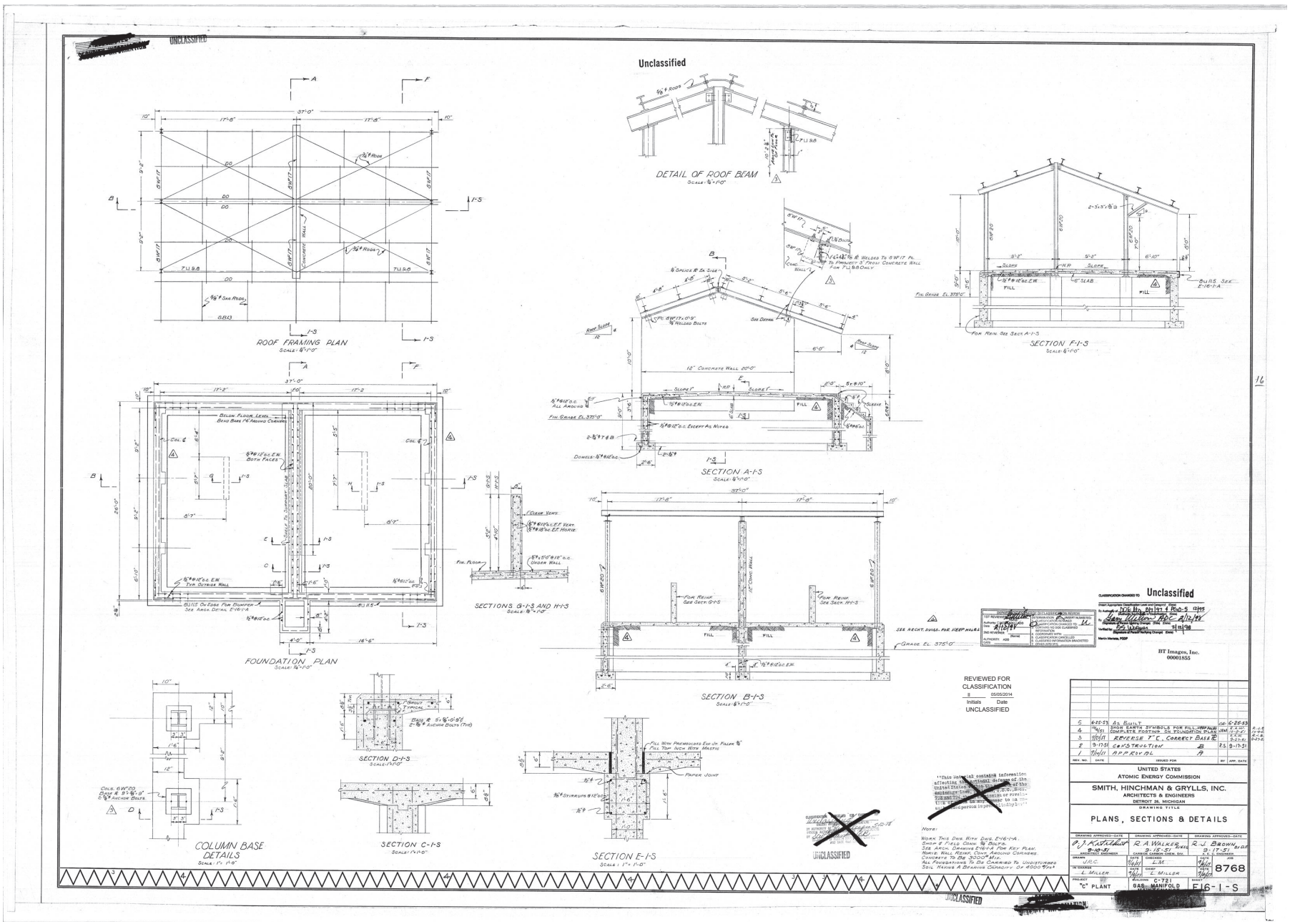

Figure A.2. Engineering Drawing E16-1-S

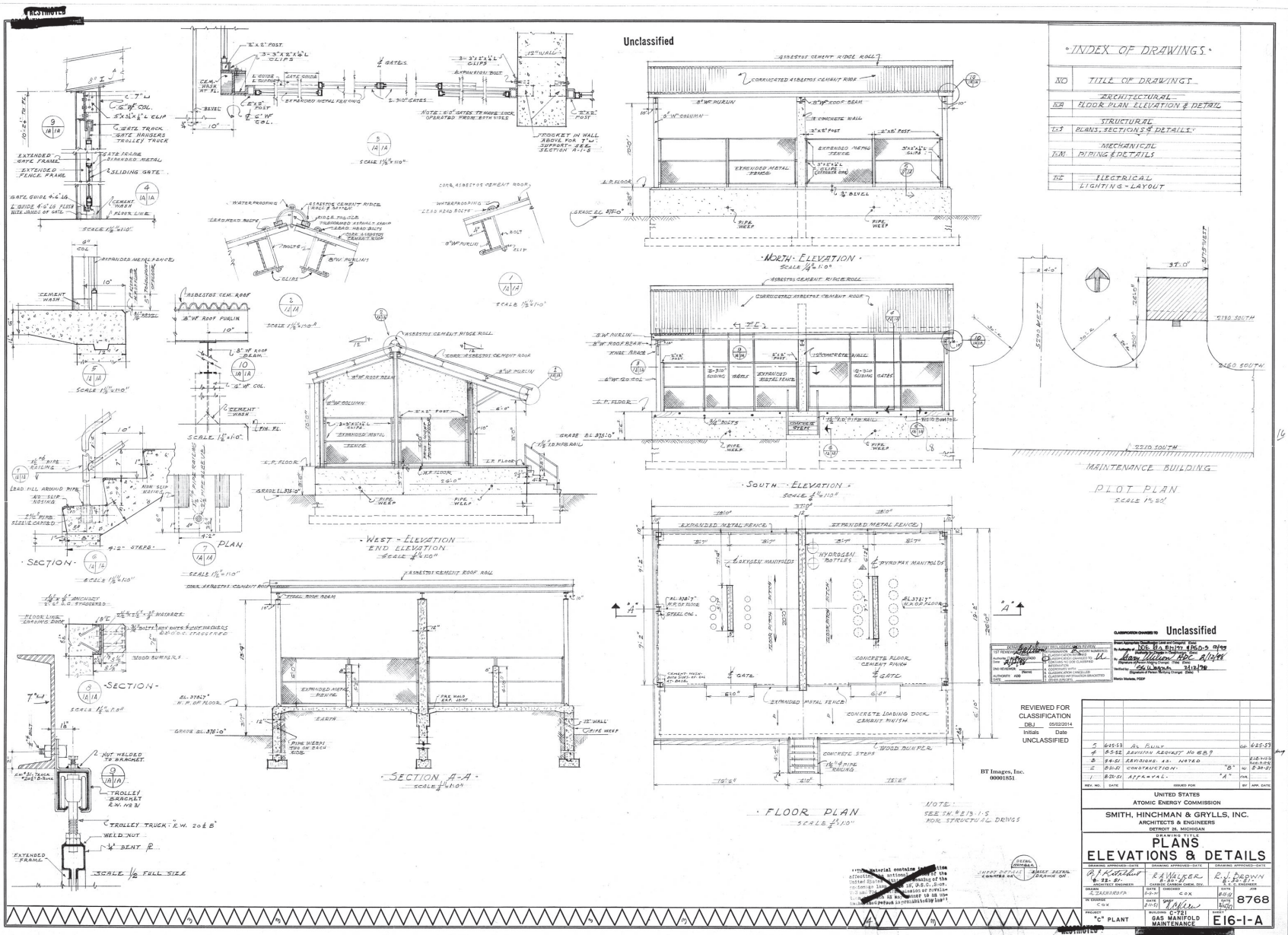

Figure A.3. Engineering Drawing E16-1-A "Plans Elevations & Details"

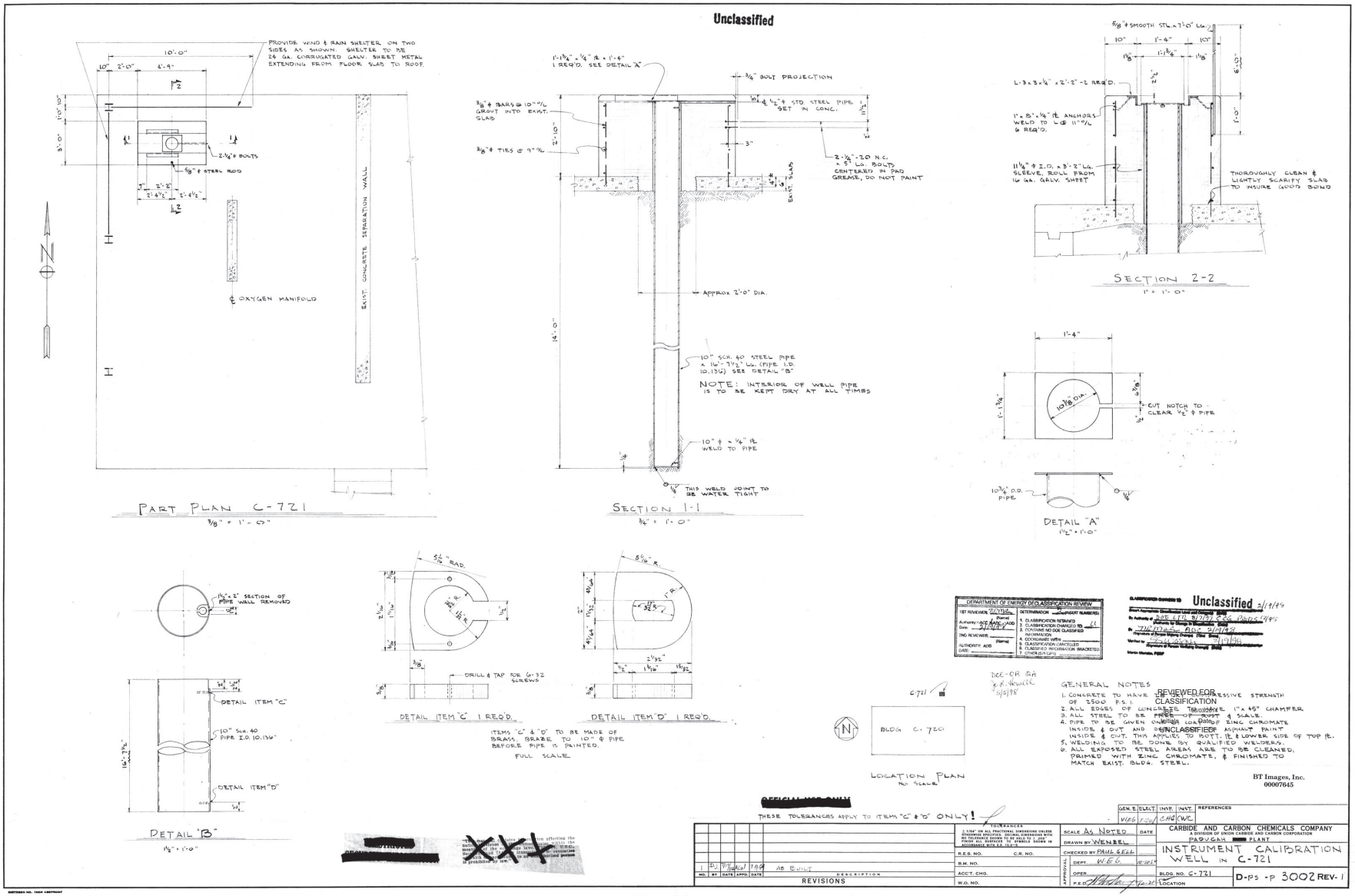

Figure A.4. Engineering Drawing: D-PS-P3002_0001_0001_U-076908

APPENDIX B

HISTORICAL DATA

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Table B.1. Historical Data

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	10	mg/kg	Arsenic	U	SO	REG	METAL	X		No
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	12	mg/kg	Chromium	U	SO	REG	METAL	X		No
1_Surface	3	SOU211-001L	SOU211001LSA001	0	1	4	mg/kg	Copper	U	SO	REG	METAL	X		No
1_Surface	2	SOU211-001L	SOU211001LSA001	0	1	19816	mg/kg	Iron		SO	REG	METAL	X		Yes
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	3	mg/kg	Lead	U	SO	REG	METAL	X		No
1_Surface	3	SOU211-001L	SOU211001LSA001	0	1	411	mg/kg	Manganese		SO	REG	METAL	X		Yes
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	40	mg/kg	Mercury	U	SO	REG	METAL	X		No
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	3	mg/kg	Molybdenum	U	SO	REG	METAL	X		No
1_Surface	2	SOU211-001L	SOU211001LSA001	0	1	23	mg/kg	Nickel		SO	REG	METAL	X		Yes
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	3	mg/kg	Selenium	U	SO	REG	METAL	X		No
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	50	mg/kg	Silver	U	SO	REG	METAL	X		No
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	10	mg/kg	Uranium	U	SO	REG	METAL	X		No
1_Surface	3	SOU211-001L	SOU211001LSA001	0	1	5	mg/kg	Vanadium	U	SO	REG	METAL	X		No
1_Surface	3	SOU211-001L	SOU211001LSA001	0	1	100	mg/kg	Zinc		SO	REG	METAL	X		Yes
1_Surface	1	SOU211-001L	SOU211001LSA001	0	1	50	mg/kg	Polychlorinated biphenyl	>	SO	REG	PPCB	X		Yes
1_Surface	3	SOU211-001M	SOU211001MSA001	0	1	10	mg/kg	Arsenic	U	SO	REG	METAL	X		No
1_Surface	2	SOU211-001M	SOU211001MSA001	0	1	12	mg/kg	Chromium	U	SO	REG	METAL	X		No
1_Surface	2	SOU211-001M	SOU211001MSA001	0	1	32	mg/kg	Copper		SO	REG	METAL	X		Yes
1_Surface	3	SOU211-001M	SOU211001MSA001	0	1	24742	mg/kg	Iron		SO	REG	METAL	X		Yes
1_Surface	3	SOU211-001M	SOU211001MSA001	0	1	3	mg/kg	Lead	U	SO	REG	METAL	X		No
1_Surface	2	SOU211-001M	SOU211001MSA001	0	1	209	mg/kg	Manganese		SO	REG	METAL	X		Yes
1_Surface	2	SOU211-001M	SOU211001MSA001	0	1	40	mg/kg	Mercury	U	SO	REG	METAL	X		No
1_Surface	3	SOU211-001M	SOU211001MSA001	0	1	3	mg/kg	Molybdenum	U	SO	REG	METAL	X		No
1_Surface	1	SOU211-001M	SOU211001MSA001	0	1	12	mg/kg	Nickel		SO	REG	METAL	X		Yes
1_Surface	3	SOU211-001M	SOU211001MSA001	0	1	3	mg/kg	Selenium	U	SO	REG	METAL	X		No
1_Surface	3	SOU211-001M	SOU211001MSA001	0	1	50	mg/kg	Silver	U	SO	REG	METAL	X		No
1_Surface	3	SOU211-001M	SOU211001MSA001	0	1	10	mg/kg	Uranium	U	SO	REG	METAL	X		No
1_Surface	2	SOU211-001M	SOU211001MSA001	0	1	108	mg/kg	Vanadium		SO	REG	METAL	X		Yes
1_Surface	2	SOU211-001M	SOU211001MSA001	0	1	37	mg/kg	Zinc		SO	REG	METAL	X		Yes
1_Surface	3	SOU211-001M	SOU211001MSA001	0	1	5	mg/kg	Polychlorinated biphenyl	U	SO	REG	PPCB	X		No
1_Surface	2	SOU211-001M	SOU211001MSD001	0	1	10	mg/kg	Arsenic	U	SO	FR	METAL	X		No
1_Surface	3	SOU211-001M	SOU211001MSD001	0	1	12	mg/kg	Chromium	U	SO	FR	METAL	X		No
1_Surface	1	SOU211-001M	SOU211001MSD001	0	1	32	mg/kg	Copper		SO	FR	METAL	X		Yes
1_Surface	1	SOU211-001M	SOU211001MSD001	0	1	18123	mg/kg	Iron		SO	FR	METAL	X		Yes
1_Surface	2	SOU211-001M	SOU211001MSD001	0	1	3	mg/kg	Lead	U	SO	FR	METAL	X		No
1_Surface	1	SOU211-001M	SOU211001MSD001	0	1	105	mg/kg	Manganese		SO	FR	METAL	X		Yes
1_Surface	3	SOU211-001M	SOU211001MSD001	0	1	40	mg/kg	Mercury	U	SO	FR	METAL	X		No
1_Surface	2	SOU211-001M	SOU211001MSD001	0	1	3	mg/kg	Molybdenum	U	SO	FR	METAL	X		No
1_Surface	3	SOU211-001M	SOU211001MSD001	0	1	4	mg/kg	Nickel	U	SO	FR	METAL	X		No
1_Surface	2	SOU211-001M	SOU211001MSD001	0	1	3	mg/kg	Selenium	U	SO	FR	METAL	X		No
1_Surface	2	SOU211-001M	SOU211001MSD001	0	1	50	mg/kg	Silver	U	SO	FR	METAL	X		No
1_Surface	2	SOU211-001M	SOU211001MSD001	0	1	10	mg/kg	Uranium	U	SO	FR	METAL	X		No
1_Surface	1	SOU211-001M	SOU211001MSD001	0	1	92	mg/kg	Vanadium		SO	FR	METAL	X		Yes
1_Surface	1	SOU211-001M	SOU211001MSD001	0	1	31	mg/kg	Zinc		SO	FR	METAL	X		Yes

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
1_Surface	2	SOU211-001M	SOU211001MSD001	0	1	5	mg/kg	Polychlorinated biphenyl	U	SO	FR	PPCB	X		No
2_Shallow	1	211-A-013	211A013SA005	4.9	4.9	1.4	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	8	211-A-013	211A013SA005	4.9	4.9	0.52	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	1	211-A-013	211A013SA005	4.9	4.9	0.81	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	5	211-A-013	211A013SA005	4.9	4.9	0.34	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	3	211-A-013	211A013SA005	4.9	4.9	0.37	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	3	211-A-013	211A013SA010	6.5	6.5	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	3	211-A-013	211A013SA010	6.5	6.5	12	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
2_Shallow	5	211-A-013	211A013SA010	6.5	6.5	0.96	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	3	211-A-013	211A013SA010	6.5	6.5	5.7	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
2_Shallow	6	211-A-013	211A013SA010	6.5	6.5	0.44	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	6	211-A-029	211A029SA005	4	4	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	=		No
2_Shallow	12	211-A-029	211A029SA005	4	4	0.62	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
2_Shallow	6	211-A-029	211A029SA005	4	4	0.97	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
2_Shallow	9	211-A-029	211A029SA005	4	4	0.4	ug/kg	Trichloroethene	U	SO	REG	VOA	=		No
2_Shallow	7	211-A-029	211A029SA005	4	4	0.44	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
2_Shallow	13	211-A-029	211A029SA010	9	9	2.1	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	=		No
2_Shallow	15	211-A-029	211A029SA010	9	9	0.79	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
2_Shallow	13	211-A-029	211A029SA010	9	9	1.2	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
2_Shallow	14	211-A-029	211A029SA010	9	9	0.51	ug/kg	Trichloroethene	U	SO	REG	VOA	=		No
2_Shallow	13	211-A-029	211A029SA010	9	9	0.56	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
2_Shallow	7	211-A-033	211A033SA005	4	4	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	14	211-A-033	211A033SA005	4	4	0.64	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	9	211-A-033	211A033SA005	4	4	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	12	211-A-033	211A033SA005	4	4	0.42	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	11	211-A-033	211A033SA005	4	4	0.46	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	4	211-A-033	211A033SA010	9	9	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	10	211-A-033	211A033SA010	9	9	0.59	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	3	211-A-033	211A033SA010	9	9	0.92	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	7	211-A-033	211A033SA010	9	9	0.38	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	5	211-A-033	211A033SA010	9	9	0.42	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	8	211-A-035	211A035SA005	1.9	1.9	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	13	211-A-035	211A035SA005	1.9	1.9	0.62	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	7	211-A-035	211A035SA005	1.9	1.9	0.97	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	10	211-A-035	211A035SA005	1.9	1.9	0.4	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	8	211-A-035	211A035SA005	1.9	1.9	0.44	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	5	211-A-035	211A035SA010	8.6	8.6	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	11	211-A-035	211A035SA010	8.6	8.6	0.61	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	4	211-A-035	211A035SA010	8.6	8.6	0.95	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	8	211-A-035	211A035SA010	8.6	8.6	0.39	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	9	211-A-035	211A035SA010	8.6	8.6	0.44	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	9	211-A-042	211A042SB010	9	9	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	2	211-A-042	211A042SB010	9	9	2.8	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
2_Shallow	8	211-A-042	211A042SB010	9	9	0.99	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
2_Shallow	11	211-A-042	211A042SB010	9	9	0.41	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	10	211-A-042	211A042SB010	9	9	0.45	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	2	211-A-043	211A043SB005	3.5	3.5	1.4	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	9	211-A-043	211A043SB005	3.5	3.5	0.52	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	2	211-A-043	211A043SB005	3.5	3.5	0.81	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	6	211-A-043	211A043SB005	3.5	3.5	0.34	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	4	211-A-043	211A043SB005	3.5	3.5	0.37	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	10	211-A-043	211A043SB010	9	9	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	1	211-A-043	211A043SB010	9	9	0.97	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
2_Shallow	10	211-A-043	211A043SB010	9	9	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	13	211-A-043	211A043SB010	9	9	0.42	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	12	211-A-043	211A043SB010	9	9	0.46	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	12	211-A-044	211A044SB005	4	4	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	6	211-A-044	211A044SB005	4	4	100	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
2_Shallow	12	211-A-044	211A044SB005	4	4	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	2	211-A-044	211A044SB005	4	4	5.5	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
2_Shallow	2	211-A-044	211A044SB005	4	4	78	ug/kg	Vinyl chloride		SO	REG	VOA	X		Yes
2_Shallow	11	211-A-044	211A044SB005D	4	4	1.7	ug/kg	1,1-Dichloroethene	U	SO	FR	VOA	X		No
2_Shallow	4	211-A-044	211A044SB005D	4	4	49	ug/kg	*cis* -1,2-Dichloroethene		SO	FR	VOA	X		Yes
2_Shallow	11	211-A-044	211A044SB005D	4	4	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	FR	VOA	X		No
2_Shallow	1	211-A-044	211A044SB005D	4	4	4.2	ug/kg	Trichloroethene	J	SO	FR	VOA	X		Yes
2_Shallow	1	211-A-044	211A044SB005D	4	4	62	ug/kg	Vinyl chloride		SO	FR	VOA	X		Yes
2_Shallow	15	211-A-044	211A044SB010	6	6	28	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	7	211-A-044	211A044SB010	6	6	630	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
2_Shallow	15	211-A-044	211A044SB010	6	6	9.4	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
2_Shallow	15	211-A-044	211A044SB010	6	6	20	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
2_Shallow	15	211-A-044	211A044SB010	6	6	32	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	10	mg/kg	Arsenic	U	SO	REG	METAL	X		No
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	12	mg/kg	Chromium	U	SO	REG	METAL	X		No
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	36	mg/kg	Copper		SO	REG	METAL	X		Yes
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	15031	mg/kg	Iron		SO	REG	METAL	X		Yes
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	3	mg/kg	Lead	U	SO	REG	METAL	X		No
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	308	mg/kg	Manganese		SO	REG	METAL	X		Yes
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	40	mg/kg	Mercury	U	SO	REG	METAL	X		No
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	3	mg/kg	Molybdenum	U	SO	REG	METAL	X		No
2_Shallow	3	SOU211-001L	SOU211001LSA004	1	4	16	mg/kg	Nickel		SO	REG	METAL	X		Yes
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	3	mg/kg	Selenium	U	SO	REG	METAL	X		No
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	50	mg/kg	Silver	U	SO	REG	METAL	X		No
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	10	mg/kg	Uranium	U	SO	REG	METAL	X		No
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	88	mg/kg	Vanadium		SO	REG	METAL	X		Yes
2_Shallow	2	SOU211-001L	SOU211001LSA004	1	4	30	mg/kg	Zinc		SO	REG	METAL	X		Yes
2_Shallow	1	SOU211-001L	SOU211001LSA004	1	4	5	mg/kg	Polychlorinated biphenyl	>	SO	REG	PPCB	X		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5900	mg/kg	Aluminum		SO	REG	METAL	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.12	mg/kg	Antimony		SO	REG	METAL	=		Yes

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	6.2	mg/kg	Arsenic		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	10	mg/kg	Arsenic	U	SO	REG	METAL	X		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	130	mg/kg	Barium		SO	REG	METAL	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.51	mg/kg	Beryllium		SO	REG	METAL	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.02	mg/kg	Cadmium	U	SO	REG	METAL	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	3800	mg/kg	Calcium		SO	REG	METAL	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	10	mg/kg	Chromium		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	12	mg/kg	Chromium	U	SO	REG	METAL	X		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	8.5	mg/kg	Cobalt		SO	REG	METAL	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	9.5	mg/kg	Copper		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	4	mg/kg	Copper	U	SO	REG	METAL	X		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	13000	mg/kg	Iron		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	28865	mg/kg	Iron		SO	REG	METAL	X		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	8.2	mg/kg	Lead		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	3	mg/kg	Lead	U	SO	REG	METAL	X		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	910	mg/kg	Magnesium		SO	REG	METAL	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	250	mg/kg	Manganese		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	342	mg/kg	Manganese		SO	REG	METAL	X		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.011	mg/kg	Mercury	J	SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	40	mg/kg	Mercury	U	SO	REG	METAL	X		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.36	mg/kg	Molybdenum		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	3	mg/kg	Molybdenum	U	SO	REG	METAL	X		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	8.7	mg/kg	Nickel		SO	REG	METAL	=		Yes
2_Shallow	2	SOU211-001M	SOU211001MSA004	1	4	11	mg/kg	Nickel		SO	REG	METAL	X		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.85	mg/kg	Selenium		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	3	mg/kg	Selenium	U	SO	REG	METAL	X		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.02	mg/kg	Silver		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	50	mg/kg	Silver	U	SO	REG	METAL	X		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	150	mg/kg	Sodium		SO	REG	METAL	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.14	mg/kg	Thallium		SO	REG	METAL	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.91	mg/kg	Uranium		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	10	mg/kg	Uranium	U	SO	REG	METAL	X		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	17	mg/kg	Vanadium		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	94	mg/kg	Vanadium		SO	REG	METAL	X		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	22	mg/kg	Zinc		SO	REG	METAL	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	38	mg/kg	Zinc		SO	REG	METAL	X		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	21	ug/kg	PCB-1016	U	SO	REG	PPCB	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	21	ug/kg	PCB-1221	U	SO	REG	PPCB	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	21	ug/kg	PCB-1232	U	SO	REG	PPCB	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	21	ug/kg	PCB-1242	U	SO	REG	PPCB	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	21	ug/kg	PCB-1248	U	SO	REG	PPCB	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	69	ug/kg	PCB-1254		SO	REG	PPCB	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	21	ug/kg	PCB-1260	U	SO	REG	PPCB	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	21	ug/kg	PCB-1268	U	SO	REG	PPCB	=		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
2_Shallow	2	SOU211-001M	SOU211001MSA004	1	4	69	ug/kg	Polychlorinated biphenyl		SO	REG	PPCB	=		Yes
2_Shallow	3	SOU211-001M	SOU211001MSA004	1	4	5	mg/kg	Polychlorinated biphenyl	U	SO	REG	PPCB	X		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	6	pCi/g	Alpha activity		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	-0.0101	pCi/g	Americium-241	U	SO	REG	RADS	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	2.93	pCi/g	Beta activity		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.0106	pCi/g	Cesium-137	U	SO	REG	RADS	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0	pCi/g	Neptunium-237	U	SO	REG	RADS	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.0131	pCi/g	Plutonium-238		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.00262	pCi/g	Plutonium-239/240	U	SO	REG	RADS	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.268	pCi/g	Technetium-99	U	SO	REG	RADS	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.962	pCi/g	Thorium-228		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	1.04	pCi/g	Thorium-230		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.96	pCi/g	Thorium-232		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.781	pCi/g	Uranium-234		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.0493	pCi/g	Uranium-235		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	0.926	pCi/g	Uranium-238		SO	REG	RADS	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	1,2,4-Trichlorobenzene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	1,2-Dichlorobenzene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	1,3-Dichlorobenzene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	1,4-Dichlorobenzene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2,4,5-Trichlorophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2,4,6-Trichlorophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2,4-Dichlorophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2,4-Dimethylphenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	830	ug/kg	2,4-Dinitrophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	250	ug/kg	2,4-Dinitrotoluene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	250	ug/kg	2,6-Dinitrotoluene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2-Chloronaphthalene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2-Chlorophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	830	ug/kg	2-Methyl-4,6-dinitrophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2-Methylnaphthalene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2-Methylphenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	830	ug/kg	2-Nitrobenzenamine	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	2-Nitrophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	250	ug/kg	3,3'-Dichlorobenzidine	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	830	ug/kg	3-Nitrobenzenamine	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	4-Bromophenyl phenyl ether	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	4-Chloro-3-methylphenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	4-Chlorobenzenamine	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	4-Chlorophenyl phenyl ether	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	830	ug/kg	4-Nitrophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Acenaphthene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Acenaphthylene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Anthracene	U	SO	REG	SVOA	=		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	2.9	ug/kg	Benz(a)anthracene	J	SO	REG	SVOA	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Benzenemethanol	U	SO	REG	SVOA	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	2.4	ug/kg	Benzo(a)pyrene	J	SO	REG	SVOA	=		Yes
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	2.8	ug/kg	Benzo(b)fluoranthene	J	SO	REG	SVOA	=		Yes
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Benzo(ghi)perylene	U	SO	REG	SVOA	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Benzo(k)fluoranthene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	2100	ug/kg	Benzoic acid	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Bis(2-chloroethoxy)methane	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Bis(2-chloroethyl) ether	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Bis(2-chloroisopropyl) ether	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Bis(2-ethylhexyl)phthalate	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Butyl benzyl phthalate	U	SO	REG	SVOA	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Chrysene	U	SO	REG	SVOA	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	4	ug/kg	Dibenz(a,h)anthracene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Dibenzofuran	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Diethyl phthalate	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Dimethyl phthalate	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Di-n-butyl phthalate	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Di-n-octylphthalate	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Fluoranthene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Fluorene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	4	ug/kg	Hexachlorobenzene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	250	ug/kg	Hexachlorobutadiene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Hexachlorocyclopentadiene	U	SO	REG	SVOA	UJ		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Hexachloroethane	U	SO	REG	SVOA	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	1.6	ug/kg	Indeno(1,2,3-cd)pyrene	J	SO	REG	SVOA	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Isophorone	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	m,p-Cresol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Naphthalene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Nitrobenzene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	N-Nitroso-di-n-propylamine	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	N-Nitrosodiphenylamine	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	740	ug/kg	Pentachlorophenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Phenanthrene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Phenol	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	830	ug/kg	p-Nitroaniline	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Pyrene	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	410	ug/kg	Pyridine	U	SO	REG	SVOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	7.385	ug/kg	Total PAHs		SO	REG	SVOA			Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,1,1,2-Tetrachloroethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,1,1-Trichloroethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,1,2,2-Tetrachloroethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,1,2-Trichloroethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,1-Dichloroethane	U	SO	REG	VOA	=		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
2_Shallow	14	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,2,3-Trichloropropane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,2-Dichloroethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,2-Dichloropropane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	1,2-Dimethylbenzene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	20	ug/kg	2-Butanone	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	2-Chloroethyl vinyl ether	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	20	ug/kg	2-Hexanone	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	20	ug/kg	4-Methyl-2-pentanone	U	SO	REG	VOA	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	39	ug/kg	Acetone		SO	REG	VOA	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	50	ug/kg	Acrolein	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	50	ug/kg	Acrylonitrile	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Benzene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Bromodichloromethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Bromoform	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Bromomethane	U	SO	REG	VOA	=		No
2_Shallow	0	SOU211-001M	SOU211001MSA004	1	4	2.3	ug/kg	Carbon disulfide	J	SO	REG	VOA	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Carbon tetrachloride	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Chlorobenzene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Chloroethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Chloroform	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Chloromethane	U	SO	REG	VOA	=		No
2_Shallow	5	SOU211-001M	SOU211001MSA004	1	4	62	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	*cis* -1,3-Dichloropropene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Dibromochloromethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Dibromomethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Dichlorodifluoromethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Ethyl methacrylate	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Ethylbenzene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Iodomethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	m,p-Xylene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	2.5	ug/kg	Methylene chloride	JB	SO	REG	VOA	U		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Styrene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Tetrachloroethene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	150	ug/kg	Toluene		SO	REG	VOA	=		Yes
2_Shallow	14	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	*trans* -1,3-Dichloropropene	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	*Trans* -1,4-Dichloro-2-butene	U	SO	REG	VOA	=		No
2_Shallow	4	SOU211-001M	SOU211001MSA004	1	4	44	ug/kg	Trichloroethene		SO	REG	VOA	=		Yes
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Trichlorofluoromethane	U	SO	REG	VOA	=		No
2_Shallow	1	SOU211-001M	SOU211001MSA004	1	4	20	ug/kg	Vinyl acetate	U	SO	REG	VOA	=		No
2_Shallow	14	SOU211-001M	SOU211001MSA004	1	4	5	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	64	211-A-013	211A013SA015	14	14	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	30	211-A-013	211A013SA015	14	14	22	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	37	211-A-013	211A013SA015	14	14	0.93	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	34	211-A-013	211A013SA015	14	14	42	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	7	211-A-013	211A013SA015	14	14	3	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	58	211-A-013	211A013SA020	18.5	18.5	1.5	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	54	211-A-013	211A013SA020	18.5	18.5	0.57	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	30	211-A-013	211A013SA020	18.5	18.5	0.9	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	68	211-A-013	211A013SA020	18.5	18.5	0.37	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	33	211-A-013	211A013SA020	18.5	18.5	0.41	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	53	211-A-013	211A013SA025	20.5	20.5	1.4	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	11	211-A-013	211A013SA025	20.5	20.5	2.1	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	12	211-A-013	211A013SA025	20.5	20.5	0.84	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	15	211-A-013	211A013SA025	20.5	20.5	9.3	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	20	211-A-013	211A013SA025	20.5	20.5	0.38	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	52	211-A-013	211A013SA030	26.5	26.5	1.4	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	5	211-A-013	211A013SA030	26.5	26.5	0.92	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	7	211-A-013	211A013SA030	26.5	26.5	0.81	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	8	211-A-013	211A013SA030	26.5	26.5	3.3	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	15	211-A-013	211A013SA030	26.5	26.5	0.37	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	14	211-A-013	211A013SA035	30.1	30.1	7.8	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	14	211-A-013	211A013SA035	30.1	30.1	2.9	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	6	211-A-013	211A013SA035	30.1	30.1	0.81	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	23	211-A-013	211A013SA035	30.1	30.1	22	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	1	211-A-013	211A013SA035	30.1	30.1	0.39	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	10	211-A-013	211A013SA040	35.5	35.5	5.1	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	8	211-A-013	211A013SA040	35.5	35.5	1.3	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	22	211-A-013	211A013SA040	35.5	35.5	0.87	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	29	211-A-013	211A013SA040	35.5	35.5	29	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	29	211-A-013	211A013SA040	35.5	35.5	0.4	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	38	211-A-013	211A013SA045	44.5	44.5	350	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	71	211-A-013	211A013SA045	44.5	44.5	9.4	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	67	211-A-013	211A013SA045	44.5	44.5	7.4	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	47	211-A-013	211A013SA045	44.5	44.5	170	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	66	211-A-013	211A013SA045	44.5	44.5	25	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	35	211-A-013	211A013SA050	47.5	47.5	180	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	72	211-A-013	211A013SA050	47.5	47.5	9.7	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	69	211-A-013	211A013SA050	47.5	47.5	7.6	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	41	211-A-013	211A013SA050	47.5	47.5	78	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	69	211-A-013	211A013SA050	47.5	47.5	26	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	17	211-A-013	211A013SA055	53.5	53.5	11	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	1	211-A-013	211A013SA055	53.5	53.5	0.7	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	52	211-A-013	211A013SA055	53.5	53.5	0.99	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	18	211-A-013	211A013SA055	53.5	53.5	13	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	50	211-A-013	211A013SA055	53.5	53.5	0.45	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	18	211-A-013	211A013SA060	55.1	55.1	12	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	2	211-A-013	211A013SA060	55.1	55.1	0.76	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	34	211-A-013	211A013SA060	55.1	55.1	0.91	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	19	211-A-013	211A013SA060	55.1	55.1	13	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	41	211-A-013	211A013SA060	55.1	55.1	0.42	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	19	211-A-013	211A013SA065	64	64	13	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	17	211-A-013	211A013SA065	64	64	4.8	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	53	211-A-013	211A013SA065	64	64	0.99	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	37	211-A-013	211A013SA065	64	64	56	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	51	211-A-013	211A013SA065	64	64	0.45	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	71	211-A-029	211A029SA015	14	14	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	65	211-A-029	211A029SA015	14	14	0.62	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	47	211-A-029	211A029SA015	14	14	0.98	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	77	211-A-029	211A029SA015	14	14	0.4	ug/kg	Trichloroethene	U	SO	REG	VOA	=		No
3_Deep	52	211-A-029	211A029SA015	14	14	0.45	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	49	211-A-029	211A029SA020	18	18	1.3	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	46	211-A-029	211A029SA020	18	18	0.48	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	1	211-A-029	211A029SA020	18	18	0.74	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	61	211-A-029	211A029SA020	18	18	0.31	ug/kg	Trichloroethene	U	SO	REG	VOA	=		No
3_Deep	12	211-A-029	211A029SA020	18	18	0.34	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	23	211-A-029	211A029SA025	24.9	24.9	18	ug/kg	1,1-Dichloroethene		SO	REG	VOA	=		Yes
3_Deep	51	211-A-029	211A029SA025	24.9	24.9	0.54	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	17	211-A-029	211A029SA025	24.9	24.9	0.85	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	25	211-A-029	211A029SA025	24.9	24.9	23	ug/kg	Trichloroethene		SO	REG	VOA	=		Yes
3_Deep	24	211-A-029	211A029SA025	24.9	24.9	0.39	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	36	211-A-029	211A029SA030	28.5	28.5	240	ug/kg	1,1-Dichloroethene		SO	REG	VOA	J		Yes
3_Deep	69	211-A-029	211A029SA030	28.5	28.5	9	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	65	211-A-029	211A029SA030	28.5	28.5	7	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	53	211-A-029	211A029SA030	28.5	28.5	440	ug/kg	Trichloroethene		SO	REG	VOA	J		Yes
3_Deep	65	211-A-029	211A029SA030	28.5	28.5	24	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	41	211-A-029	211A029SA035	32	32	360	ug/kg	1,1-Dichloroethene		SO	REG	VOA	J		Yes
3_Deep	80	211-A-029	211A029SA035	32	32	12	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	80	211-A-029	211A029SA035	32	32	9.4	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	54	211-A-029	211A029SA035	32	32	480	ug/kg	Trichloroethene		SO	REG	VOA	J		Yes
3_Deep	80	211-A-029	211A029SA035	32	32	32	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	33	211-A-029	211A029SA035D	32	32	77	ug/kg	1,1-Dichloroethene		SO	FR	VOA	J		Yes
3_Deep	13	211-A-029	211A029SA035D	32	32	2.5	ug/kg	*cis* -1,2-Dichloroethene	J	SO	FR	VOA	=		Yes
3_Deep	64	211-A-029	211A029SA035D	32	32	1.4	ug/kg	*trans* -1,2-Dichloroethene	U	SO	FR	VOA	=		No
3_Deep	44	211-A-029	211A029SA035D	32	32	110	ug/kg	Trichloroethene		SO	FR	VOA	J		Yes
3_Deep	64	211-A-029	211A029SA035D	32	32	0.65	ug/kg	Vinyl chloride	U	SO	FR	VOA	=		No
3_Deep	48	211-A-029	211A029SA040	38	38	2900	ug/kg	1,1-Dichloroethene		SO	REG	VOA	=		Yes
3_Deep	39	211-A-029	211A029SA040	38	38	62	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	=		Yes
3_Deep	79	211-A-029	211A029SA040	38	38	9.2	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	60	211-A-029	211A029SA040	38	38	2600	ug/kg	Trichloroethene		SO	REG	VOA	=		Yes
3_Deep	79	211-A-029	211A029SA040	38	38	31	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	46	211-A-029	211A029SA045	40.5	40.5	880	ug/kg	1,1-Dichloroethene		SO	REG	VOA	=		Yes
3_Deep	76	211-A-029	211A029SA045	40.5	40.5	11	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	72	211-A-029	211A029SA045	40.5	40.5	8.2	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	58	211-A-029	211A029SA045	40.5	40.5	870	ug/kg	Trichloroethene		SO	REG	VOA	=		Yes
3_Deep	72	211-A-029	211A029SA045	40.5	40.5	28	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	39	211-A-029	211A029SA050	48.5	48.5	350	ug/kg	1,1-Dichloroethene		SO	REG	VOA	J		Yes
3_Deep	75	211-A-029	211A029SA050	48.5	48.5	11	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	78	211-A-029	211A029SA050	48.5	48.5	8.6	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	49	211-A-029	211A029SA050	48.5	48.5	270	ug/kg	Trichloroethene		SO	REG	VOA	J		Yes
3_Deep	76	211-A-029	211A029SA050	48.5	48.5	29	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	26	211-A-029	211A029SA055	50.5	50.5	27	ug/kg	1,1-Dichloroethene		SO	REG	VOA	=		Yes
3_Deep	63	211-A-029	211A029SA055	50.5	50.5	0.61	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	44	211-A-029	211A029SA055	50.5	50.5	0.96	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	24	211-A-029	211A029SA055	50.5	50.5	22	ug/kg	Trichloroethene		SO	REG	VOA	=		Yes
3_Deep	47	211-A-029	211A029SA055	50.5	50.5	0.44	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	9	211-A-029	211A029SA060	55.1	55.1	4.4	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	=		Yes
3_Deep	4	211-A-029	211A029SA060	55.1	55.1	0.86	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	=		Yes
3_Deep	54	211-A-029	211A029SA060	55.1	55.1	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	10	211-A-029	211A029SA060	55.1	55.1	3.8	ug/kg	Trichloroethene	J	SO	REG	VOA	=		Yes
3_Deep	56	211-A-029	211A029SA060	55.1	55.1	0.46	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	21	211-A-029	211A029SA065	64	64	15	ug/kg	1,1-Dichloroethene		SO	REG	VOA	=		Yes
3_Deep	26	211-A-029	211A029SA065	64	64	9.2	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	=		Yes
3_Deep	59	211-A-029	211A029SA065	64	64	1.1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	=		No
3_Deep	43	211-A-029	211A029SA065	64	64	100	ug/kg	Trichloroethene		SO	REG	VOA	=		Yes
3_Deep	60	211-A-029	211A029SA065	64	64	0.49	ug/kg	Vinyl chloride	U	SO	REG	VOA	=		No
3_Deep	60	211-A-033	211A033SA015	14	14	1.5	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	57	211-A-033	211A033SA015	14	14	0.58	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	31	211-A-033	211A033SA015	14	14	0.9	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	69	211-A-033	211A033SA015	14	14	0.37	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	35	211-A-033	211A033SA015	14	14	0.41	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	59	211-A-033	211A033SA020	19	19	1.5	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	53	211-A-033	211A033SA020	19	19	0.55	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	18	211-A-033	211A033SA020	19	19	0.85	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	66	211-A-033	211A033SA020	19	19	0.35	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	25	211-A-033	211A033SA020	19	19	0.39	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	54	211-A-033	211A033SA025	21.5	21.5	1.4	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	47	211-A-033	211A033SA025	21.5	21.5	0.51	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	5	211-A-033	211A033SA025	21.5	21.5	0.8	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	63	211-A-033	211A033SA025	21.5	21.5	0.33	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	16	211-A-033	211A033SA025	21.5	21.5	0.37	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	5	211-A-033	211A033SA030	29.9	29.9	2.4	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	67	211-A-033	211A033SA030	29.9	29.9	0.64	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	56	211-A-033	211A033SA030	29.9	29.9	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	9	211-A-033	211A033SA030	29.9	29.9	3.6	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	58	211-A-033	211A033SA030	29.9	29.9	0.46	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	22	211-A-033	211A033SA035	34	34	16	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	12	211-A-033	211A033SA035	34	34	2.1	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	13	211-A-033	211A033SA035	34	34	0.84	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	38	211-A-033	211A033SA035	34	34	60	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	21	211-A-033	211A033SA035	34	34	0.38	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	3	211-A-033	211A033SA035D	34	34	1.9	ug/kg	1,1-Dichloroethene	J	SO	FR	VOA	X		Yes
3_Deep	3	211-A-033	211A033SA035D	34	34	0.84	ug/kg	*cis* -1,2-Dichloroethene	J	SO	FR	VOA	X		Yes
3_Deep	4	211-A-033	211A033SA035D	34	34	0.8	ug/kg	*trans* -1,2-Dichloroethene	U	SO	FR	VOA	X		No
3_Deep	17	211-A-033	211A033SA035D	34	34	12	ug/kg	Trichloroethene		SO	FR	VOA	X		Yes
3_Deep	13	211-A-033	211A033SA035D	34	34	0.36	ug/kg	Vinyl chloride	U	SO	FR	VOA	X		No
3_Deep	47	211-A-033	211A033SA040	36	36	1100	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	36	211-A-033	211A033SA040	36	36	46	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	70	211-A-033	211A033SA040	36	36	8	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	59	211-A-033	211A033SA040	36	36	1100	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	70	211-A-033	211A033SA040	36	36	27	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	44	211-A-033	211A033SA045	44.5	44.5	540	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	32	211-A-033	211A033SA045	44.5	44.5	29	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	68	211-A-033	211A033SA045	44.5	44.5	7.4	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	57	211-A-033	211A033SA045	44.5	44.5	700	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	68	211-A-033	211A033SA045	44.5	44.5	25	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	37	211-A-033	211A033SA050	49.5	49.5	240	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	70	211-A-033	211A033SA050	49.5	49.5	9.3	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	66	211-A-033	211A033SA050	49.5	49.5	7.3	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	50	211-A-033	211A033SA050	49.5	49.5	300	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	67	211-A-033	211A033SA050	49.5	49.5	25	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	31	211-A-033	211A033SA055	50.5	50.5	58	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	81	211-A-033	211A033SA055	50.5	50.5	12	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	81	211-A-033	211A033SA055	50.5	50.5	9.7	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	46	211-A-033	211A033SA055	50.5	50.5	130	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	81	211-A-033	211A033SA055	50.5	50.5	33	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	72	211-A-033	211A033SA060	56.5	56.5	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	66	211-A-033	211A033SA060	56.5	56.5	0.64	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	55	211-A-033	211A033SA060	56.5	56.5	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	1	211-A-033	211A033SA060	56.5	56.5	0.48	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	57	211-A-033	211A033SA060	56.5	56.5	0.46	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	8	211-A-033	211A033SA065	62	62	3.6	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	24	211-A-033	211A033SA065	62	62	8.4	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	26	211-A-033	211A033SA065	62	62	0.89	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	20	211-A-033	211A033SA065	62	62	14	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	34	211-A-033	211A033SA065	62	62	0.41	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	6	211-A-035	211A035SA015	13.4	13.4	2.5	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	15	211-A-035	211A035SA015	13.4	13.4	3.6	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	32	211-A-035	211A035SA015	13.4	13.4	0.9	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	71	211-A-035	211A035SA015	13.4	13.4	0.38	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	36	211-A-035	211A035SA015	13.4	13.4	0.41	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	29	211-A-035	211A035SA020	18.5	18.5	33	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	28	211-A-035	211A035SA020	18.5	18.5	12	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	23	211-A-035	211A035SA020	18.5	18.5	0.87	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	2	211-A-035	211A035SA020	18.5	18.5	1.6	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	30	211-A-035	211A035SA020	18.5	18.5	0.4	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	28	211-A-035	211A035SA025	24	24	30	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	22	211-A-035	211A035SA025	24	24	6.9	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	28	211-A-035	211A035SA025	24	24	0.89	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	12	211-A-035	211A035SA025	24	24	7.6	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	37	211-A-035	211A035SA025	24	24	0.41	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	1	211-A-035	211A035SA030	27	27	1.7	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	50	211-A-035	211A035SA030	27	27	0.53	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	14	211-A-035	211A035SA030	27	27	0.84	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	4	211-A-035	211A035SA030	27	27	2.1	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	22	211-A-035	211A035SA030	27	27	0.38	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	27	211-A-035	211A035SA035	30.5	30.5	27	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	55	211-A-035	211A035SA035	30.5	30.5	0.57	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	27	211-A-035	211A035SA035	30.5	30.5	0.89	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	31	211-A-035	211A035SA035	30.5	30.5	35	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	31	211-A-035	211A035SA035	30.5	30.5	0.4	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	45	211-A-035	211A035SA040	37	37	590	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	79	211-A-035	211A035SA040	37	37	11	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	75	211-A-035	211A035SA040	37	37	8.3	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	55	211-A-035	211A035SA040	37	37	580	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	74	211-A-035	211A035SA040	37	37	28	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	43	211-A-035	211A035SA045	41.5	41.5	400	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	74	211-A-035	211A035SA045	41.5	41.5	10	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	71	211-A-035	211A035SA045	41.5	41.5	8	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	51	211-A-035	211A035SA045	41.5	41.5	400	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	71	211-A-035	211A035SA045	41.5	41.5	27	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	40	211-A-035	211A035SA045D	41.5	41.5	350	ug/kg	1,1-Dichloroethene		SO	FR	VOA	X		Yes
3_Deep	78	211-A-035	211A035SA045D	41.5	41.5	11	ug/kg	*cis* -1,2-Dichloroethene	U	SO	FR	VOA	X		No
3_Deep	73	211-A-035	211A035SA045D	41.5	41.5	8.2	ug/kg	*trans* -1,2-Dichloroethene	U	SO	FR	VOA	X		No
3_Deep	52	211-A-035	211A035SA045D	41.5	41.5	420	ug/kg	Trichloroethene		SO	FR	VOA	X		Yes
3_Deep	73	211-A-035	211A035SA045D	41.5	41.5	28	ug/kg	Vinyl chloride	U	SO	FR	VOA	X		No
3_Deep	25	211-A-035	211A035SA050	49	49	26	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	77	211-A-035	211A035SA050	49	49	11	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	76	211-A-035	211A035SA050	49	49	8.4	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	48	211-A-035	211A035SA050	49	49	210	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	77	211-A-035	211A035SA050	49	49	29	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	42	211-A-035	211A035SA055	51.5	51.5	360	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	73	211-A-035	211A035SA055	51.5	51.5	10	ug/kg	cis-1,2-Dichloroethene	U	SO	REG	VOA	X		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	74	211-A-035	211A035SA055	51.5	51.5	8.2	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	56	211-A-035	211A035SA055	51.5	51.5	680	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	75	211-A-035	211A035SA055	51.5	51.5	28	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	73	211-A-035	211A035SA060	55.5	55.5	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	10	211-A-035	211A035SA060	55.5	55.5	2	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	57	211-A-035	211A035SA060	55.5	55.5	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	21	211-A-035	211A035SA060	55.5	55.5	17	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	59	211-A-035	211A035SA060	55.5	55.5	0.46	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	15	211-A-035	211A035SA067	66.5	66.5	9.3	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	16	211-A-035	211A035SA067	66.5	66.5	4	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	48	211-A-035	211A035SA067	66.5	66.5	0.98	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	27	211-A-035	211A035SA067	66.5	66.5	25	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	53	211-A-035	211A035SA067	66.5	66.5	0.45	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	66	211-A-042	211A042SB015	14.5	14.5	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	60	211-A-042	211A042SB015	14.5	14.5	0.6	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	40	211-A-042	211A042SB015	14.5	14.5	0.94	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	74	211-A-042	211A042SB015	14.5	14.5	0.39	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	43	211-A-042	211A042SB015	14.5	14.5	0.43	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	61	211-A-042	211A042SB020	17	17	1.5	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	56	211-A-042	211A042SB020	17	17	0.57	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	29	211-A-042	211A042SB020	17	17	0.89	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	70	211-A-042	211A042SB020	17	17	0.37	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	38	211-A-042	211A042SB020	17	17	0.41	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	55	211-A-042	211A042SB025	22.5	22.5	1.4	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	48	211-A-042	211A042SB025	22.5	22.5	0.52	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	9	211-A-042	211A042SB025	22.5	22.5	0.81	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	64	211-A-042	211A042SB025	22.5	22.5	0.33	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	17	211-A-042	211A042SB025	22.5	22.5	0.37	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	56	211-A-042	211A042SB030	27.5	27.5	1.4	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	49	211-A-042	211A042SB030	27.5	27.5	0.52	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	8	211-A-042	211A042SB030	27.5	27.5	0.81	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	65	211-A-042	211A042SB030	27.5	27.5	0.34	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	18	211-A-042	211A042SB030	27.5	27.5	0.37	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	67	211-A-042	211A042SB035	31	31	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	59	211-A-042	211A042SB035	31	31	0.59	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	38	211-A-042	211A042SB035	31	31	0.93	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	73	211-A-042	211A042SB035	31	31	0.38	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	42	211-A-042	211A042SB035	31	31	0.42	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	32	211-A-042	211A042SB040	39	39	68	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	27	211-A-042	211A042SB040	39	39	9.6	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	43	211-A-042	211A042SB040	39	39	0.95	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	39	211-A-042	211A042SB040	39	39	61	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	5	211-A-042	211A042SB040	39	39	2	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	34	211-A-042	211A042SB045	42	42	94	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	29	211-A-042	211A042SB045	42	42	16	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	50	211-A-042	211A042SB045	42	42	0.98	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	45	211-A-042	211A042SB045	42	42	120	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	6	211-A-042	211A042SB045	42	42	2.4	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	30	211-A-042	211A042SB050	48	48	40	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	25	211-A-042	211A042SB050	48	48	9	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	36	211-A-042	211A042SB050	48	48	0.92	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	42	211-A-042	211A042SB050	48	48	82	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	2	211-A-042	211A042SB050	48	48	0.6	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	24	211-A-042	211A042SB055	54.9	54.9	21	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	21	211-A-042	211A042SB055	54.9	54.9	5.7	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	24	211-A-042	211A042SB055	54.9	54.9	0.88	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	33	211-A-042	211A042SB055	54.9	54.9	40	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	32	211-A-042	211A042SB055	54.9	54.9	0.4	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	65	211-A-042	211A042SB060	57	57	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	58	211-A-042	211A042SB060	57	57	0.58	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	35	211-A-042	211A042SB060	57	57	0.91	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	72	211-A-042	211A042SB060	57	57	0.38	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	39	211-A-042	211A042SB060	57	57	0.41	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	12	211-A-042	211A042SB065	62.5	62.5	6.4	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	19	211-A-042	211A042SB065	62.5	62.5	5.2	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	49	211-A-042	211A042SB065	62.5	62.5	0.98	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	28	211-A-042	211A042SB065	62.5	62.5	27	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	54	211-A-042	211A042SB065	62.5	62.5	0.45	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	68	211-A-043	211A043SB015	14	14	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	61	211-A-043	211A043SB015	14	14	0.6	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	39	211-A-043	211A043SB015	14	14	0.93	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	75	211-A-043	211A043SB015	14	14	0.39	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	45	211-A-043	211A043SB015	14	14	0.43	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	70	211-A-043	211A043SB015D	14	14	1.6	ug/kg	1,1-Dichloroethene	U	SO	FR	VOA	X		No
3_Deep	64	211-A-043	211A043SB015D	14	14	0.61	ug/kg	*cis* -1,2-Dichloroethene	U	SO	FR	VOA	X		No
3_Deep	45	211-A-043	211A043SB015D	14	14	0.96	ug/kg	*trans* -1,2-Dichloroethene	U	SO	FR	VOA	X		No
3_Deep	78	211-A-043	211A043SB015D	14	14	0.4	ug/kg	Trichloroethene	U	SO	FR	VOA	X		No
3_Deep	49	211-A-043	211A043SB015D	14	14	0.44	ug/kg	Vinyl chloride	U	SO	FR	VOA	X		No
3_Deep	57	211-A-043	211A043SB020	17.5	17.5	1.4	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	52	211-A-043	211A043SB020	17.5	17.5	0.54	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	16	211-A-043	211A043SB020	17.5	17.5	0.84	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	67	211-A-043	211A043SB020	17.5	17.5	0.35	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	23	211-A-043	211A043SB020	17.5	17.5	0.38	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	50	211-A-043	211A043SB025	22.5	22.5	1.3	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	6	211-A-043	211A043SB025	22.5	22.5	1.2	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	3	211-A-043	211A043SB025	22.5	22.5	0.78	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	62	211-A-043	211A043SB025	22.5	22.5	0.32	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	14	211-A-043	211A043SB025	22.5	22.5	0.36	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	74	211-A-043	211A043SB030	29	29	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	23	211-A-043	211A043SB030	29	29	8.3	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	51	211-A-043	211A043SB030	29	29	0.98	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	6	211-A-043	211A043SB030	29	29	2.7	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	55	211-A-043	211A043SB030	29	29	0.45	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	62	211-A-043	211A043SB035	32.5	32.5	1.5	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	20	211-A-043	211A043SB035	32.5	32.5	5.2	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	33	211-A-043	211A043SB035	32.5	32.5	0.9	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	3	211-A-043	211A043SB035	32.5	32.5	1.8	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	40	211-A-043	211A043SB035	32.5	32.5	0.41	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	4	211-A-043	211A043SB040	36	36	2	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	31	211-A-043	211A043SB040	36	36	28	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	20	211-A-043	211A043SB040	36	36	0.86	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	14	211-A-043	211A043SB040	36	36	9.2	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	26	211-A-043	211A043SB040	36	36	0.39	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	20	211-A-043	211A043SB045	44.9	44.9	13	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	34	211-A-043	211A043SB045	44.9	44.9	32	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	42	211-A-043	211A043SB045	44.9	44.9	0.94	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	26	211-A-043	211A043SB045	44.9	44.9	24	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	46	211-A-043	211A043SB045	44.9	44.9	0.43	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	13	211-A-043	211A043SB050	49	49	6.7	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	35	211-A-043	211A043SB050	49	49	34	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	10	211-A-043	211A043SB050	49	49	0.81	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	32	211-A-043	211A043SB050	49	49	39	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	19	211-A-043	211A043SB050	49	49	0.37	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	75	211-A-043	211A043SB055	53.5	53.5	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	37	211-A-043	211A043SB055	53.5	53.5	46	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	46	211-A-043	211A043SB055	53.5	53.5	0.97	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	30	211-A-043	211A043SB055	53.5	53.5	30	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	48	211-A-043	211A043SB055	53.5	53.5	0.44	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	11	211-A-043	211A043SB060	55.1	55.1	5.1	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	38	211-A-043	211A043SB060	55.1	55.1	48	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	15	211-A-043	211A043SB060	55.1	55.1	0.84	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	35	211-A-043	211A043SB060	55.1	55.1	42	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	27	211-A-043	211A043SB060	55.1	55.1	0.39	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	69	211-A-043	211A043SB065	62	62	1.6	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	62	211-A-043	211A043SB065	62	62	0.6	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	41	211-A-043	211A043SB065	62	62	0.94	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	76	211-A-043	211A043SB065	62	62	0.39	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	44	211-A-043	211A043SB065	62	62	0.43	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	81	211-A-044	211A044SB015	10.5	10.5	25	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	45	211-A-044	211A044SB015	10.5	10.5	520	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	77	211-A-044	211A044SB015	10.5	10.5	8.5	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	81	211-A-044	211A044SB015	10.5	10.5	18	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	78	211-A-044	211A044SB015	10.5	10.5	29	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	77	211-A-044	211A044SB020	18.5	18.5	1.9	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	7	211-A-044	211A044SB020	18.5	18.5	1.2	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	60	211-A-044	211A044SB020	18.5	18.5	1.1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	79	211-A-044	211A044SB020	18.5	18.5	0.46	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	61	211-A-044	211A044SB020	18.5	18.5	0.5	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	51	211-A-044	211A044SB025	23	23	1.3	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	33	211-A-044	211A044SB025	23	23	31	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	2	211-A-044	211A044SB025	23	23	0.76	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	11	211-A-044	211A044SB025	23	23	5	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	4	211-A-044	211A044SB025	23	23	0.96	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	79	211-A-044	211A044SB030	26	26	1.9	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	42	211-A-044	211A044SB030	26	26	99	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	61	211-A-044	211A044SB030	26	26	1.1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	16	211-A-044	211A044SB030	26	26	11	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	10	211-A-044	211A044SB030	26	26	9.2	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	76	211-A-044	211A044SB035	33.5	33.5	1.7	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	40	211-A-044	211A044SB035	33.5	33.5	64	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	58	211-A-044	211A044SB035	33.5	33.5	1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	13	211-A-044	211A044SB035	33.5	33.5	8.5	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	8	211-A-044	211A044SB035	33.5	33.5	3.2	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	2	211-A-044	211A044SB040	36.5	36.5	1.8	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	41	211-A-044	211A044SB040	36.5	36.5	98	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	11	211-A-044	211A044SB040	36.5	36.5	0.82	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	22	211-A-044	211A044SB040	36.5	36.5	18	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	9	211-A-044	211A044SB040	36.5	36.5	4.8	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	7	211-A-044	211A044SB045	44.5	44.5	2.6	ug/kg	1,1-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	44	211-A-044	211A044SB045	44.5	44.5	130	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	25	211-A-044	211A044SB045	44.5	44.5	0.88	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	36	211-A-044	211A044SB045	44.5	44.5	42	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	11	211-A-044	211A044SB045	44.5	44.5	9.9	ug/kg	Vinyl chloride		SO	REG	VOA	X		Yes
3_Deep	16	211-A-044	211A044SB050	49	49	9.6	ug/kg	1,1-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	43	211-A-044	211A044SB050	49	49	110	ug/kg	*cis* -1,2-Dichloroethene		SO	REG	VOA	X		Yes
3_Deep	19	211-A-044	211A044SB050	49	49	0.85	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	40	211-A-044	211A044SB050	49	49	76	ug/kg	Trichloroethene		SO	REG	VOA	X		Yes
3_Deep	3	211-A-044	211A044SB050	49	49	0.77	ug/kg	Vinyl chloride	J	SO	REG	VOA	X		Yes
3_Deep	63	211-A-044	211A044SB055	54.5	54.5	1.5	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	18	211-A-044	211A044SB055	54.5	54.5	4.8	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	21	211-A-044	211A044SB055	54.5	54.5	0.86	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	7	211-A-044	211A044SB055	54.5	54.5	2.7	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	28	211-A-044	211A044SB055	54.5	54.5	0.39	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	78	211-A-044	211A044SB060	55.5	55.5	1.9	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	9	211-A-044	211A044SB060	55.5	55.5	1.7	ug/kg	*cis* -1,2-Dichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	63	211-A-044	211A044SB060	55.5	55.5	1.1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
3_Deep	5	211-A-044	211A044SB060	55.5	55.5	2.5	ug/kg	Trichloroethene	J	SO	REG	VOA	X		Yes
3_Deep	63	211-A-044	211A044SB060	55.5	55.5	0.52	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
3_Deep	80	211-A-044	211A044SB065	62.5	62.5	1.9	ug/kg	1,1-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	68	211-A-044	211A044SB065	62.5	62.5	0.72	ug/kg	*cis* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	62	211-A-044	211A044SB065	62.5	62.5	1.1	ug/kg	*trans* -1,2-Dichloroethene	U	SO	REG	VOA	X		No
3_Deep	80	211-A-044	211A044SB065	62.5	62.5	0.47	ug/kg	Trichloroethene	U	SO	REG	VOA	X		No
3_Deep	62	211-A-044	211A044SB065	62.5	62.5	0.51	ug/kg	Vinyl chloride	U	SO	REG	VOA	X		No
4_GW	7	211-A-048	211A048WA065	65	65	29	ug/L	1,1-Dichloroethene		WG	REG	VOA	X	QUAL	Yes
4_GW	8	211-A-048	211A048WA065	65	65	740	ug/L	*cis* -1,2-Dichloroethene		WG	REG	VOA	X	QUAL	Yes
4_GW	8	211-A-048	211A048WA065	65	65	0.8	ug/L	*trans* -1,2-Dichloroethene	J	WG	REG	VOA	X	QUAL	Yes
4_GW	7	211-A-048	211A048WA065	65	65	240	ug/L	Trichloroethene		WG	REG	VOA	X	QUAL	Yes
4_GW	8	211-A-048	211A048WA065	65	65	79	ug/L	Vinyl chloride		WG	REG	VOA	X	QUAL	Yes
4_GW	4	211-A-048	211A048WA070	70	70	21	ug/L	1,1-Dichloroethene		WG	REG	VOA	J	QUAL	Yes
4_GW	6	211-A-048	211A048WA070	70	70	610	ug/L	*cis* -1,2-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	7	211-A-048	211A048WA070	70	70	0.78	ug/L	*trans* -1,2-Dichloroethene	J	WG	REG	VOA	=	QUAL	Yes
4_GW	6	211-A-048	211A048WA070	70	70	210	ug/L	Trichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	6	211-A-048	211A048WA070	70	70	57	ug/L	Vinyl chloride		WG	REG	VOA	=	QUAL	Yes
4_GW	3	211-A-048	211A048WA070D	70	70	20	ug/L	1,1-Dichloroethene		WG	FR	VOA	=	QUAL	Yes
4_GW	7	211-A-048	211A048WA070D	70	70	640	ug/L	*cis* -1,2-Dichloroethene		WG	FR	VOA	=	QUAL	Yes
4_GW	6	211-A-048	211A048WA070D	70	70	0.69	ug/L	*trans* -1,2-Dichloroethene	J	WG	FR	VOA	=	QUAL	Yes
4_GW	5	211-A-048	211A048WA070D	70	70	210	ug/L	Trichloroethene		WG	FR	VOA	=	QUAL	Yes
4_GW	7	211-A-048	211A048WA070D	70	70	60	ug/L	Vinyl chloride		WG	FR	VOA	=	QUAL	Yes
4_GW	2	211-A-048	211A048WA075	75	75	15	ug/L	1,1-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	3	211-A-048	211A048WA075	75	75	49	ug/L	*cis* -1,2-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	1	211-A-048	211A048WA075	75	75	0.34	ug/L	*trans* -1,2-Dichloroethene	J	WG	REG	VOA	=	QUAL	Yes
4_GW	1	211-A-048	211A048WA075	75	75	60	ug/L	Trichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	5	211-A-048	211A048WA075	75	75	3.5	ug/L	Vinyl chloride		WG	REG	VOA	=	QUAL	Yes
4_GW	8	211-A-048	211A048WA080	80	80	56	ug/L	1,1-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	5	211-A-048	211A048WA080	80	80	81	ug/L	*cis* -1,2-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	5	211-A-048	211A048WA080	80	80	0.62	ug/L	*trans* -1,2-Dichloroethene	J	WG	REG	VOA	=	QUAL	Yes
4_GW	4	211-A-048	211A048WA080	80	80	150	ug/L	Trichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	4	211-A-048	211A048WA080	80	80	1.6	ug/L	Vinyl chloride		WG	REG	VOA	=	QUAL	Yes
4_GW	5	211-A-048	211A048WA085	85	85	21	ug/L	1,1-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	2	211-A-048	211A048WA085	85	85	45	ug/L	*cis* -1,2-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	2	211-A-048	211A048WA085	85	85	0.36	ug/L	*trans* -1,2-Dichloroethene	J	WG	REG	VOA	=	QUAL	Yes
4_GW	2	211-A-048	211A048WA085	85	85	66	ug/L	Trichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	3	211-A-048	211A048WA085	85	85	1.4	ug/L	Vinyl chloride		WG	REG	VOA	=	QUAL	Yes
4_GW	1	211-A-048	211A048WA090	90	90	15	ug/L	1,1-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	1	211-A-048	211A048WA090	90	90	45	ug/L	*cis* -1,2-Dichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	4	211-A-048	211A048WA090	90	90	0.45	ug/L	*trans* -1,2-Dichloroethene	J	WG	REG	VOA	=	QUAL	Yes
4_GW	3	211-A-048	211A048WA090	90	90	82	ug/L	Trichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	1	211-A-048	211A048WA090	90	90	0.65	ug/L	Vinyl chloride	J	WG	REG	VOA	=	QUAL	Yes
4_GW	6	211-A-048	211A048WA095	95	95	22	ug/L	1,1-Dichloroethene		WG	REG	VOA	J	QUAL	Yes
4_GW	4	211-A-048	211A048WA095	95	95	49	ug/L	*cis* -1,2-Dichloroethene		WG	REG	VOA	=	QUAL	Yes

Table B.1. Historical Data (Continued)

Section	Count	STA_NAME	PROJ_SAMPLE_ID	SMP_ STRT_LEVEL	SMP_ END_LEVEL	RESULTS	UNITS	CHEMICAL_NAME	RSLT QUAL	MED_ TYPE	SMP_ TYPE	ANA_TYPE	VALIDATION	DATA_ ASSESSMENT	Detect
4_GW	3	211-A-048	211A048WA095	95	95	0.41	ug/L	*trans* -1,2-Dichloroethene	J	WG	REG	VOA	=	QUAL	Yes
4_GW	8	211-A-048	211A048WA095	95	95	260	ug/L	Trichloroethene		WG	REG	VOA	=	QUAL	Yes
4_GW	2	211-A-048	211A048WA095	95	95	0.96	ug/L	Vinyl chloride	J	WG	REG	VOA	=	QUAL	Yes

Result qualifiers:

< Actual value was greater than the reported result.

B Analyte found in the associated blank.

J Estimated value.

U Analyte analyzed for but not detected at or below the lowest concentration reported.

Validation qualifiers:

= Validated result, no additional qualifier necessary.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

X Not validated; Refer to the RSLTQUAL field for more information.

Data assessment qualifier:

QUAL This data should be considered qualitative due to the sampling process, the variability in the medium sampled or issues with the analytical process.

Med_Type codes:

SO soil

WG groundwater