



Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

ILLINOIS EPA RCRA CORRECTIVE ACTION CERTIFICATION

This certification must accompany any document submitted to Illinois EPA in accordance with the corrective action requirements set forth in a facility's RCRA permit. The original and two copies of all documents submitted must be provided.

1.0 Facility Identification

Name Equilon Enterprises LLC d/b/a/ Shell County Madison
 Street Address 900 South Central Ave Site No. (IEPA) 1191150002
 City Roxana Site No. (USEPA) ILD080 012 305

2.0 Owner Information

Name Not Applicable
 Mail Address _____
 City _____
 State _____ Zip Code _____
 Contact Name _____
 Contact Title _____
 Phone _____

3.0 Operator Information

Name Equilon Enterprises LLC d/b/a/ Shell
 Mail Address 128 East Center Street
 City Nazareth
 State PA Zip Code 18064
 Contact Name Leroy Bealer
 Contact Title Senior Program Manager
 Phone 484-632-7955

4.0 Type of Submission (check applicable item and provide requested information, as applicable)

- RFI Phase I Workplan/Report IEPA Permit Log No. B-43R
 RFI Phase II Workplan/Report Date of Last IEPA Letter on Project January 26, 2024
 CMP Report; Log No. of Last IEPA Letter on Project B-43R-CA-113, CA-114, CA-115
 Other (describe): Roxana Former Public Works Yard Steam Enhanced Extraction - Pre-SEE Additional Sampling Results
 Does this submittal include groundwater information: Yes No

Date of Submittal March 4, 2024

5.0 Description of Submittal: (briefly describe what is being submitted and its purpose)

Roxana Former Public Works Yard Steam Enhanced Extraction - Results of additional Pre-SEE sampling required by IEPA

6.0 Documents Submitted (identify all documents in submittal, including cover letter; give dates of all documents)

RCRA Corrective Action Certification dated 3/4/2024, cover letter, figure and data tables. Electronic copies
of submittal also sent directly to Amy Butler, Visal Poornaka, Takako Halteman, and Ali Al-Janabi of IEPA.

For: FPWY SEE - Pre-SEE Additional Sampling Results

Date of Submission: March 4, 2024

7.0 Certification Statement

(This statement is part of the overall certification being provided by the owner/operator, professional and laboratory in Items 7.1, 7.2 and 7.3 below). The activities described in the subject submittals have been carried out in accordance with procedures approved by Illinois EPA. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons 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.

7.1 Owner/Operator Certification

(Must be completed for all submittals. Certification and signature requirements are set forth in 35 IAC 702.126.) All submittals pertaining to the corrective action requirements set forth in a RCRA Permit must be signed by the person designated below (or by a duly authorized representative of that person):

1. For a Corporation, by a principal executive officer of at least the level of vice president.
2. For a Partnership or Sole Proprietorship, by a general partner or the proprietor, respectively.
3. For a Governmental Entity, by either a principal executive officer or a ranking elected official.

A person is a duly authorized representative only if:

1. the authorization is made in writing by a person described above; and
2. the written authorization is provided with this submittal (a copy of a previously submitted authorization can be used).

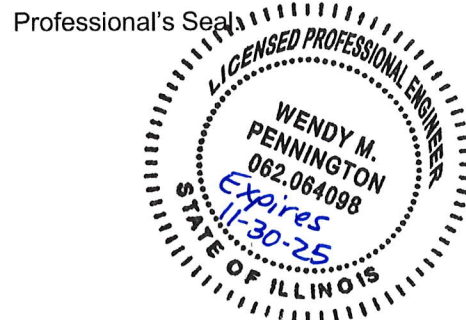
Owner Signature: _____ Date: _____
 Title: _____
 Operator Signature: _____ Date: 2-23-24
 Title: Senior Program Manager

7.2 Professional Certification (if necessary)

Work carried out in this submittal or the regulations may also be subject to other laws governing professional services, such as the Illinois Professional Land Surveyor Act of 1989, the Professional Engineering Practice Act of 1989, the Professional Geologist Licensing Act, and the Structural Engineering Licensing Act of 1989. No one is relieved from compliance with these laws and the regulations adopted pursuant to these laws. All work that falls within the scope and definitions of these laws must be performed in compliance with them. The Illinois EPA may refer any discovered violation of these laws to the appropriate regulating authority.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44 (h))

Professional's Signature: Wendy Pennington Date: 2/28/2024
 Professional's Name Wendy Pennington
 Address 100 N. Broadway, 20th Fl
 City St. Louis
 State MO Zip Code 63102
 Phone 314-452-8929



For: FPWY SEE - Pre-SEE Additional Sampling Results

Date of Submission: March 4, 2024

7.3 Laboratory Certification (if necessary)

The sample collection, handling, preservation, preparation and analysis efforts for which this laboratory was responsible were carried out in accordance with procedures approved by Illinois EPA.

Name of Laboratory Euofins Environment Testing Southeast, LLC

Harrett Erin

Date: 2/23/2024

Signature of Laboratory Responsible Officer

Mailing Address of Laboratory

Address 3355 McLemore Street

Business Unit Manager

City Pensacola

Name and Title of Laboratory Responsible Officer

State FL Zip Code 32514



AECOM
100 N. Broadway,
20th Floor
St. Louis, MO 63102
www.aecom.com

314 429 0100 tel
314 429 0462 fax

March 4, 2024

Ms. Jacqueline M. Cooperider, PE
Manager, Permit Section
Illinois Environmental Protection Agency
Division of Land Pollution Control
Bureau of Land
1021 North Grand Avenue East
Springfield, Illinois 62702

**Former Public Works Yard Steam Enhanced Extraction – Pre-SEE Additional Sampling Results
Roxana, Illinois
1191150002 – Madison County
Equilon Enterprises LLC d/b/a Shell Oil Products US
Log No. B-43R-CA-109**

Dear Ms. Cooperider:

AECOM Technical Services, Inc. (AECOM), on behalf of Equilon Enterprises LLC d/b/a Shell Oil Products US (Shell), is submitting this response to conditions from the Illinois Environmental Protection Agency's (IEPA) letter May 5, 2023, specifically the conditions of the letter that required additional sampling. The May 5, 2023 letter was in response to the FPWY SEE Final Design Report and Construction Work Plan (FDRCP) dated December 16, 2022.

Selected conditions from the IEPA's May 5, 2023 letter are provided below in *italics*, followed by the corresponding Shell response in regular **blue font**. Selected conditions from the May 5, 2023 letter are reprinted in full.

A copy of this submittal is being sent separately directly to Visal Poornaka, Amy Butler, Takako Halteman, and Ali Al-Janabi with the IEPA.

IEPA Conditions 6, 6.a and 6.b

The Illinois EPA can approve the proposal for additional groundwater profiling near MW-25 to be conducted during installation of the SVPs along Eighth Street, and for this data to be used in determining whether additional profiling will be performed near MW-4 as a step-out location. However, the data evaluation and determination must be presented for Illinois EPA review and approval for a final determination to be made. While the initial screened intervals for wells MW-25 and MW-4 were based on profiling data at those locations when they were installed, the purpose of requiring profiling to deeper extents is to ensure deeper contaminants are not present. This determination is based on the data collected as part of the SEE workplan at the former PWY, the proximity of those wells to the former PWY, and the residential setting of MW-25 and MW-4.

- a. The well screen intervals for MW-25, MW-4, and well P-93B are provided below for reference. Well P-93B has been included as this well has a deeper screened interval and has shown elevated concentrations for years at the western boundary of the refinery property.

Groundwater Monitoring Wells and Screened Intervals	
MW-25	MW-4
402.76 - 392.76 ft MSL (35.59 - 45.59 ft bgs)	396.25 – 386.25 ft MSL (45.06 – 55.06 ft bgs)

Ft MSL = feet above mean sea level
Ft bgs = feet below ground surface

- b. The benzene contamination at PD-01, PD-12, PD-14, PD-02, and PD-03 was previously reported in the previously submitted document entitled, “Steam Enhanced Extraction System at the Roxana Public Works Yard” dated January 31, 2022. The benzene at these locations was observed at elevations below the screened interval of MW-25. The table below summarizes the screened intervals for MW-25 and the sampling locations mentioned above where benzene exceeded the Class I Groundwater Quality Standards (GQS).

Sampling Location Intervals (in ft MSL) Exceeding Benzene Class I GQS (0.005 mg/L)					
MW-25	PD-01	PD-12	PD-14	PD-02	PD-03
Well Screen 402.76 - 392.76	394-379	391-380	403-381	400-391	394-373

Ft MSL - feet above mean sea level

Shell Response

The condition is acknowledged. Groundwater profiling from 50 ft to 90 ft below ground surface (bgs) was performed in the boring for SVP-09, which is adjacent to MW-25. The results are included in **Table 1**. Further information and proposed next steps related to this condition will be provided when reporting effectiveness sampling following SEE treatment, as requested in Condition 9 of the IEPA January 26, 2024 approval with comments letter.

IEPA Condition 9

Condition 6 of Illinois EPA’s August 22, 2022 letter requested that additional data must be collected during the installation phase drilling. This information must be submitted to the Agency prior to or at the beginning of SEE commencement.

Shell Response

The condition is acknowledged. Results from the requested additional sampling are enclosed. **Table 1** includes results from groundwater profiling conducted at GWP-101, SVP-07, and SVP-09. **Table 2** includes results from soil sampling conducted at SB-101, SB-101A, and SB-102. Figure 1 depicts these sample locations, along with sample locations from the 2019 Pre-Design Investigation.

Groundwater profiling was not conducted at a boring near PD-07, as was requested by Condition 7.c of the 8/22/2022 IEPA letter. PD-07 is located in the center of SEE Treatment Area B. Due to the aboveground piping and stickup wells currently installed in Area B it will not be possible to access the PD-07 location with drilling equipment until after the SEE system is disassembled. Following the disassembly of the SEE system, profiling will be conducted in the boring for MW-29B when the MW-29A/B cluster is installed as

part of post-SEE effectiveness sampling. The MW-29A/B cluster was discussed in Section 4.3 of the FDRCW dated 12/16/2022, and will be located adjacent to PD-07.

If you have any questions please contact Buddy Bealer, Shell Senior Program Manager, at leroy.bealer@shell.com (484-632-7956), or Wendy Pennington at wendy.pennington@aecom.com (314-452-8929).

Sincerely,



Brett Howell, PG
Geologist



Wendy Pennington, PE
Project Manager







Samuel Fisher, CHMM
Environmental Scientist

Enclosures: RCRA Corrective Action Certification Form
Figure 1 – Additional Sample Locations
Table 1 – Pre-SEE Additional Groundwater Sample Results
Table 2 – Pre-SEE Additional Soil Sample Results

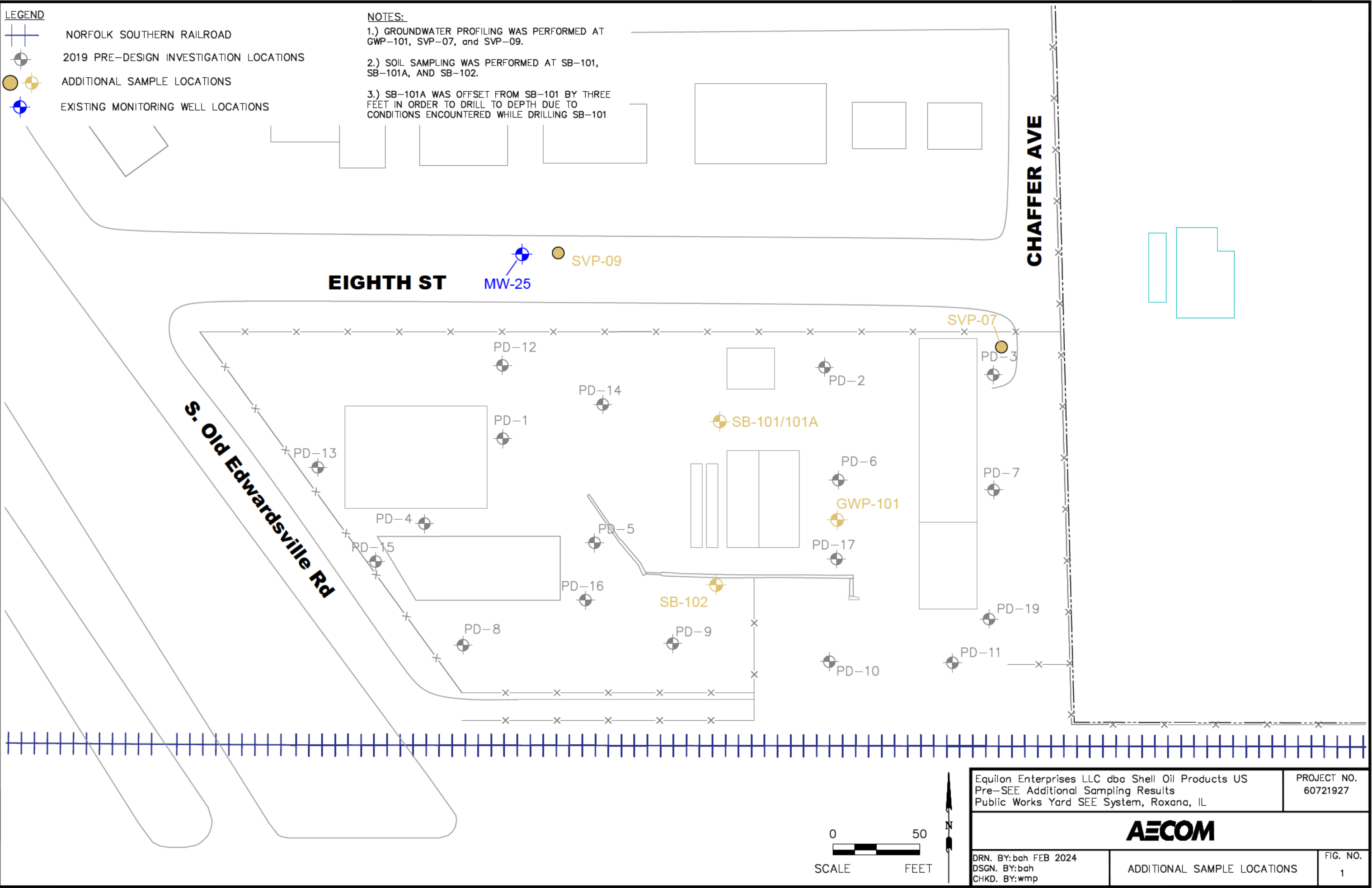
cc: Buddy Bealer, Shell
Amy Butler, IEPA, Springfield
Takako Halteman, IEPA, Springfield
Visal Poornaka, IEPA, Springfield
Ali Al-Janabi, IEPA, Collinsville
Ryan Moore – Fox Smith LLC
Repositories – Roxana Public Library, website
Project File

LEGEND

-  NORFOLK SOUTHERN RAILROAD
-  2019 PRE-DESIGN INVESTIGATION LOCATIONS
-  ADDITIONAL SAMPLE LOCATIONS
-  EXISTING MONITORING WELL LOCATIONS

NOTES:

- 1.) GROUNDWATER PROFILING WAS PERFORMED AT GWP-101, SVP-07, and SVP-09.
- 2.) SOIL SAMPLING WAS PERFORMED AT SB-101, SB-101A, AND SB-102.
- 3.) SB-101A WAS OFFSET FROM SB-101 BY THREE FEET IN ORDER TO DRILL TO DEPTH DUE TO CONDITIONS ENCOUNTERED WHILE DRILLING SB-101



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Equilon Enterprises LLC dba Shell Oil Products US Pre-SEE Additional Sampling Results Public Works Yard SEE System, Roxana, IL		PROJECT NO. 60721927
		
DRN. BY: bah FEB 2024 DSGN. BY: bah CHKD. BY: wmp	ADDITIONAL SAMPLE LOCATIONS	FIG. NO. 1

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			GWP-101					
Sample ID			GWP101-45-120822	GWP101-55-120822	GWP101-55-120822-DUP	GWP101-65-120822	GWP101-75-120822	GWP101-85-120822
Sample Date			12/8/2022	12/8/2022	12/8/2022	12/8/2022	12/8/2022	12/8/2022
Sample depth (ft bgs)			45	55	55	65	75	85
Analyte	Units	Screening Value	Results					
1,1,1,2-Tetrachloroethane	mg/L	0.0033	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,1,1-Trichloroethane	mg/L	0.2	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,1,2,2-Tetrachloroethane	mg/L	0.00043	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,1,2-Trichloroethane	mg/L	0.005	< 50 U	< 10 U	< 10 U	< 0.0050 U	< 0.5 U	< 0.05 U
1,1-Dichloroethane	mg/L	1.4	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,1-Dichloroethene	mg/L	0.007	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,1-Dichloropropene	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,2,3-Trichlorobenzene	mg/L	0.0056	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,2,3-Trichloropropane	mg/L	0.000012	< 50 U	< 10 U	< 10 U	< 0.0050 U	< 0.5 U	< 0.05 U
1,2,4-Trichlorobenzene	mg/L	0.07	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,2,4-Trimethylbenzene	mg/L	0.07	< 10 U	< 2 U	< 2 U	0.0036	< 0.1 U	< 0.01 U
1,2-Dichlorobenzene	mg/L	0.6	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,2-Dichloroethane	mg/L	0.005	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,2-Dichloropropane	mg/L	0.005	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,3,5-Trimethylbenzene	mg/L	0.07	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,3-Dichlorobenzene	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,3-Dichloropropane	mg/L	0.14	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,4-Dichlorobenzene	mg/L	0.075	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1,4-Dioxane	mg/L	0.0077	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
1-Chlorohexane	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
1-Methylnaphthalene	mg/L	0.49	0.014	0.0045	0.0045	0.00033	0.00036	0.00035
2,2-Dichloropropane	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
2,4,5-Trichlorophenol	mg/L	0.7	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2,4,6-Trichlorophenol	mg/L	0.01	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2,4-Dichlorophenol	mg/L	0.021	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2,4-Dimethylphenol	mg/L	0.14	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2,4-Dinitrophenol	mg/L	0.014	< 0.032 U	< 0.03 U	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U
2,4-Dinitrotoluene	mg/L	0.0001	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2,6-Dinitrotoluene	mg/L	0.00031	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2-Butanone (MEK)	mg/L	4.2	< 250 U	< 50 U	< 50 U	< 0.025 U	< 2.5 U	< 0.25 U
2-Chloroethylvinylether	mg/L	--	< 50 U	< 10 U*+	< 10 U*+	< 0.0050 U*+	< 0.5 U*+	< 0.05 U*+
2-Chloronaphthalene	mg/L	0.56	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2-Chlorophenol	mg/L	0.035	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2-Chlorotoluene	mg/L	0.14	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
2-Hexanone	mg/L	0.035	< 250 U	< 50 U	< 50 U	< 0.025 U	< 2.5 U	< 0.25 U
2-Methyl-4,6-dinitrophenol	mg/L	0.00056	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2-Methylnaphthalene	mg/L	0.028	0.021	0.0035	0.0030	0.00022	0.00036	0.00043
2-Methylphenol	mg/L	0.35	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2-Nitroaniline	mg/L	0.105	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
2-Nitrophenol	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
3&4-Methylphenol	mg/L	0.35	< 0.022 U	0.0055 J	0.0044 J	< 0.019 U	< 0.019 U	< 0.02 U
3,3-Dichlorobenzidine	mg/L	0.02	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
3-Nitroaniline	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			GWP-101					
Sample ID			GWP101-45-120822	GWP101-55-120822	GWP101-55-120822-DUP	GWP101-65-120822	GWP101-75-120822	GWP101-85-120822
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Sample depth (ft bgs)			45	55	55	65	75	85
Analyte	Units	Screening Value	Results					
4-Bromophenyl phenyl ether	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
4-Chloro-3-methylphenol	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
4-Chloroaniline	mg/L	0.028	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
4-Chlorophenyl phenyl ether	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
4-Chlorotoluene	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
4-Methyl-2-Pentanone (MIBK)	mg/L	0.56	< 250 U	< 50 U	< 50 U	< 0.025 U	< 2.5 U	< 0.25 U
4-Nitroaniline	mg/L	0.028	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
4-Nitrophenol	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Acenaphthene	mg/L	0.42	0.0015	0.00070	0.00048	0.00012 J	< 0.00019 U	< 0.00020 U
Acenaphthylene	mg/L	0.21	0.00042	< 0.00020 U	< 0.00019 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Acetone	mg/L	6.3	< 250 U	< 50 U	< 50 U	< 0.025 U	< 2.5 U	< 0.25 U
Acrolein	mg/L	0.0035	< 200 U	< 40 U	< 40 U	< 0.02 U	< 2 U	< 0.2 U
Acrylonitrile	mg/L	0.00016	< 100 U	< 20 U	< 20 U	< 0.01 U	< 1 U	< 0.1 U
Aniline	mg/L	0.015	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Anthracene	mg/L	2.1	< 0.00022 U	< 0.00020 U	< 0.00019 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Azobenzene	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Benzene	mg/L	0.005	850	440	430	1.7	12	1.5
Benzenethiol	mg/L	--	< 0.011 U*1	< 0.0099 U*1	< 0.0097 U*1	< 0.0097 U*1	< 0.0097 U*1	< 0.0098 U*1
Benzo(a)anthracene	mg/L	0.00013	0.0014 B	0.00027 B	0.00019 B	< 0.00019 U	< 0.00019 U	0.00016 JB
Benzo(a)pyrene	mg/L	0.0002	0.0012 B	0.00031 B	0.00021 B	< 0.00019 U	0.00011 JB	< 0.00020 U
Benzo(b)fluoranthene	mg/L	0.00018	0.00061 B	0.00028 B	0.00028 B	0.00013 JB	0.00014 JB	< 0.00020 U
Benzo(g-h-i)perylene	mg/L	0.21	0.00017 J	< 0.00020 U	< 0.00019 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Benzo(k)fluoranthene	mg/L	0.00017	< 0.00022 U	< 0.00020 U	0.00019 B	< 0.00019 U	0.00011 JB	< 0.00020 U
Benzoic acid	mg/L	28	< 0.032 U*1	0.029 J*1	0.029 *1	< 0.029 U*1	0.01 J*1	< 0.029 U*1
Benzyl alcohol	mg/L	0.7	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Bis(2-chloroethoxy)methane	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Bis(2-chloroethyl)ether	mg/L	0.01	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
bis(2-Chloroisopropyl)ether	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Bromobenzene	mg/L	0.056	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Bromochloromethane	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Bromodichloromethane	mg/L	0.0002	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Bromoform	mg/L	0.001	< 50 U	< 10 U	< 10 U	< 0.0050 U	< 0.5 U	< 0.05 U
Bromomethane	mg/L	0.0098	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Butylbenzylphthalate	mg/L	1.4	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Carbon Disulfide	mg/L	0.7	< 10 U	< 2 U	< 2 U	0.00050 J	< 0.1 U	< 0.01 U
Carbon Tetrachloride	mg/L	0.005	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Chlorobenzene	mg/L	0.1	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Chlorodibromomethane	mg/L	0.14	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Chloroethane	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Chloroform	mg/L	0.07	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Chloromethane	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Chrysene	mg/L	0.012	0.0024	0.00016 J	0.00012 J	< 0.00019 U	0.000083 J	< 0.00020 U

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			GWP-101					
Sample ID			GWP101-45-120822	GWP101-55-120822	GWP101-55-120822-DUP	GWP101-65-120822	GWP101-75-120822	GWP101-85-120822
Sample Date			12/8/2022	12/8/2022	12/8/2022	12/8/2022	12/8/2022	12/8/2022
Sample depth (ft bgs)			45	55	55	65	75	85
Analyte	Units	Screening Value	Results					
cis-1,2-Dichloroethene	mg/L	0.07	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
cis-1,3-Dichloropropene	mg/L	--	< 50 U	< 10 U	< 10 U	< 0.0050 U	< 0.5 U	< 0.05 U
Dibenz[a,h]acridine	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Dibenzo(a-h)anthracene	mg/L	0.0003	0.000099 J	< 0.00020 U	< 0.00019 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Dibenzofuran	mg/L	0.007	0.0011 J	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Dibromomethane	mg/L	--	< 50 U	< 10 U	< 10 U	< 0.0050 U	< 0.5 U	< 0.05 U
Dichlorodifluoromethane	mg/L	1.4	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Diethylphthalate	mg/L	5.6	< 0.011 U	< 0.0099 U	0.00090 JB	0.00059 JB	0.0015 JB	< 0.0098 U
Dimethylphthalate	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Di-n-butylphthalate	mg/L	0.7	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Di-n-octylphthalate	mg/L	0.14	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Ethyl methacrylate	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Ethylbenzene	mg/L	0.7	< 10 U	< 2 U	< 2 U	0.01	< 0.1 U	< 0.01 U
Fluoranthene	mg/L	0.28	0.00062	0.00016 J	0.00016 J	< 0.00019 U	0.00011 J	0.00011 J
Fluorene	mg/L	0.28	0.0015	< 0.00020 U	< 0.00019 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Freon 11 (Trichlorofluoromethane)	mg/L	2.1	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Hexachlorobenzene	mg/L	0.00006	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Hexachlorobutadiene	mg/L	0.007	< 50 U	< 10 U*	< 10 U*	< 0.0050 U*	< 0.5 U*	< 0.05 U*
Hexachlorocyclopentadiene	mg/L	0.05	< 0.022 U*1	< 0.02 U*1	< 0.019 U*1	< 0.019 U*1	< 0.019 U*1	< 0.02 U*1
Hexachloroethane	mg/L	0.007	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Indene	mg/L	--	< 0.011 U	0.0049 J	0.0055 J	< 0.0097 U	< 0.0097 U	< 0.0098 U
Indeno(1,2,3,c,d)pyrene	mg/L	0.00043	0.000048 J	< 0.00020 U	< 0.00019 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Isophorone	mg/L	1.4	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
Isopropylbenzene	mg/L	0.7	< 10 U	< 2 U	< 2 U	0.00076 J	< 0.1 U	< 0.01 U
m,p-Xylene	mg/L	10	< 50 U	< 10 U	< 10 U	0.016	< 0.5 U	< 0.05 U
Methyl Tert-butyl Ether (MTBE)	mg/L	0.07	< 10 U	< 2 U	< 2 U	0.00083 J	< 0.1 U	< 0.01 U
Methylene Chloride	mg/L	0.005	< 50 U	< 10 U	< 10 U	< 0.0050 U	< 0.5 U	< 0.05 U
Naphthalene	mg/L	0.14	< 50 U	< 10 U	< 10 U	< 0.0050 U	< 0.5 U	< 0.05 U
n-Butylbenzene	mg/L	0.35	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Nitrobenzene	mg/L	0.014	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
N-Nitrosodimethylamine	mg/L	0.0000017	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
N-Nitrosodiphenylamine	mg/L	0.0032	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
N-Nitrosodipropylamine	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
n-Propylbenzene	mg/L	0.7	< 10 U	< 2 U	< 2 U	0.0012	< 0.1 U	< 0.01 U
o-Xylene	mg/L	--	< 50 U	< 10 U	< 10 U	0.0068	< 0.5 U	< 0.05 U
Pentachlorophenol	mg/L	0.001	< 0.022 U	< 0.02 U	< 0.019 U	< 0.019 U	< 0.019 U	< 0.02 U
Phenanthrene	mg/L	0.21	0.0073	0.00061	0.00027	< 0.00019 U	0.000067 J	0.00012 J
Phenol	mg/L	0.1	0.39	0.3	0.18	0.037	0.086	0.016
p-Isopropyltoluene	mg/L	--	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Pyrene	mg/L	0.21	0.0046	0.00034	0.00017 J	< 0.00019 U	0.000092 J	0.00016 J
Pyridine	mg/L	0.007	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			GWP-101					
Sample ID			GWP101-45-120822	GWP101-55-120822	GWP101-55-120822-DUP	GWP101-65-120822	GWP101-75-120822	GWP101-85-120822
Sample Date			12/8/2022	12/8/2022	12/8/2022	12/8/2022	12/8/2022	12/8/2022
Sample depth (ft bgs)			45	55	55	65	75	85
Analyte	Units	Screening Value	Results					
Quinoline	mg/L	--	< 0.011 U	< 0.0099 U	< 0.0097 U	< 0.0097 U	< 0.0097 U	< 0.0098 U
sec-Butylbenzene	mg/L	0.7	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Styrene	mg/L	0.1	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
tert-Butylbenzene	mg/L	0.7	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Tetrachloroethene	mg/L	0.005	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Toluene	mg/L	1	< 10 U	6.7	6.1	0.049	0.086 J	0.0082 J
trans-1,2-Dichloroethene	mg/L	0.1	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
trans-1,3-Dichloropropene	mg/L	--	< 50 U	< 10 U	< 10 U	< 0.0050 U	< 0.5 U	< 0.05 U
Trichloroethene	mg/L	0.005	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Vinyl Acetate	mg/L	7	< 250 U	< 50 U	< 50 U	< 0.025 U	< 2.5 U	< 0.25 U
Vinyl Chloride	mg/L	0.002	< 10 U	< 2 U	< 2 U	< 0.0010 U	< 0.1 U	< 0.01 U
Xylenes, Total	mg/L	10	< 100 U	< 20 U	< 20 U	0.023	< 1 U	< 0.1 U

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			SVP-07					
Sample ID			SVP07-50-121522	SVP07-50-121522-DUP	SVP07-60-121522	SVP07-70-121522	SVP07-80-121522	SVP07-90-121522
Sample Date			12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022
Sample depth (ft bgs)			50	50	60	70	80	90
Analyte	Units	Screening Value	Results					
1,1,1,2-Tetrachloroethane	mg/L	0.0033	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,1,1-Trichloroethane	mg/L	0.2	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,1,2,2-Tetrachloroethane	mg/L	0.00043	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,1,2-Trichloroethane	mg/L	0.005	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
1,1-Dichloroethane	mg/L	1.4	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,1-Dichloroethene	mg/L	0.007	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,1-Dichloropropene	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,2,3-Trichlorobenzene	mg/L	0.0056	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,2,3-Trichloropropane	mg/L	0.000012	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
1,2,4-Trichlorobenzene	mg/L	0.07	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,2,4-Trimethylbenzene	mg/L	0.07	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,2-Dichlorobenzene	mg/L	0.6	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,2-Dichloroethane	mg/L	0.005	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,2-Dichloropropane	mg/L	0.005	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,3,5-Trimethylbenzene	mg/L	0.07	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,3-Dichlorobenzene	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,3-Dichloropropane	mg/L	0.14	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,4-Dichlorobenzene	mg/L	0.075	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1,4-Dioxane	mg/L	0.0077	< 0.0098 U	< 0.0094 U	< 0.02 UF1	< 0.0095 U	< 0.0097 U	< 0.01 U
1-Chlorohexane	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
1-Methylnaphthalene	mg/L	0.49	0.0064	0.0085	0.0019	0.00047	< 0.00019 U	0.00012 J
2,2-Dichloropropane	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
2,4,5-Trichlorophenol	mg/L	0.7	< 0.0098 U	< 0.0094 U	< 0.02 UF1	< 0.0095 U	< 0.0097 U	< 0.01 U
2,4,6-Trichlorophenol	mg/L	0.01	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2,4-Dichlorophenol	mg/L	0.021	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2,4-Dimethylphenol	mg/L	0.14	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2,4-Dinitrophenol	mg/L	0.014	< 0.029 U	< 0.028 U	< 0.06 U	< 0.029 U	< 0.029 U	< 0.031 U
2,4-Dinitrotoluene	mg/L	0.0001	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2,6-Dinitrotoluene	mg/L	0.00031	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2-Butanone (MEK)	mg/L	4.2	< 13 U	< 13 U	< 130 U	< 25 U	< 0.025 U	< 2.5 U
2-Chloroethylvinylether	mg/L	--	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
2-Chloronaphthalene	mg/L	0.56	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2-Chlorophenol	mg/L	0.035	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2-Chlorotoluene	mg/L	0.14	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
2-Hexanone	mg/L	0.035	< 13 U	< 13 U	< 130 U	< 25 U	< 0.025 U	< 2.5 U
2-Methyl-4,6-dinitrophenol	mg/L	0.00056	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2-Methylnaphthalene	mg/L	0.028	0.0063	0.0086	0.0024	0.00047	0.00011 J	0.00015 J
2-Methylphenol	mg/L	0.35	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2-Nitroaniline	mg/L	0.105	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
2-Nitrophenol	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
3&4-Methylphenol	mg/L	0.35	< 0.02 U	< 0.019 U	< 0.04 U	< 0.019 U	< 0.019 U	< 0.02 U
3,3-Dichlorobenzidine	mg/L	0.02	< 0.0098 U	< 0.0094 U	< 0.02 UF2F1*+	< 0.0095 U	< 0.0097 U	< 0.01 U
3-Nitroaniline	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U

Table 1
Pre-SEE Additional Groundwater Sample Results

Location			SVP-07					
Sample ID			SVP07-50-121522	SVP07-50-121522-DUP	SVP07-60-121522	SVP07-70-121522	SVP07-80-121522	SVP07-90-121522
Sample Date			12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022
Sample depth (ft bgs)			50	50	60	70	80	90
Analyte	Units	Screening Value	Results					
4-Bromophenyl phenyl ether	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
4-Chloro-3-methylphenol	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
4-Chloroaniline	mg/L	0.028	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
4-Chlorophenyl phenyl ether	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U**	< 0.0095 U	< 0.0097 U	< 0.01 U
4-Chlorotoluene	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
4-Methyl-2-Pentanone (MIBK)	mg/L	0.56	< 13 U	< 13 U	< 130 U	< 25 U	< 0.025 U	< 2.5 U
4-Nitroaniline	mg/L	0.028	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
4-Nitrophenol	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 UF1	< 0.0095 U	< 0.0097 U	< 0.01 U
Acenaphthene	mg/L	0.42	0.00015 J	0.00020	< 0.0010 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Acenaphthylene	mg/L	0.21	0.000090 J	0.00012 J	< 0.0010 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Acetone	mg/L	6.3	< 13 U	< 13 U	< 130 U	< 25 U	< 0.025 U	< 2.5 U
Acrolein	mg/L	0.0035	< 10 U	< 10 U	< 100 U	< 20 U	< 0.02 U	< 2 U
Acrylonitrile	mg/L	0.00016	< 5 U	< 5 U	< 50 U	< 10 U	< 0.01 U	< 1 U
Aniline	mg/L	0.015	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Anthracene	mg/L	2.1	< 0.00020 U	< 0.00019 U	< 0.0010 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Azobenzene	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Benzene	mg/L	0.005	94	99	1000	190	0.71	21
Benzenethiol	mg/L	--	< 0.0098 U*1	< 0.0094 U*1	< 0.02 U*1	< 0.0095 U*1	< 0.0097 U*1	< 0.01 U*1
Benzo(a)anthracene	mg/L	0.00013	0.000066 J	< 0.00019 U	0.00064 JF1	< 0.00019 U	< 0.00019 U	< 0.00020 U
Benzo(a)pyrene	mg/L	0.0002	0.00013 J	< 0.00019 U	0.00082 JF1	< 0.00019 U	< 0.00019 U	< 0.00020 U
Benzo(b)fluoranthene	mg/L	0.00018	0.00012 JB	< 0.00019 U	0.00085 JF1B	0.00010 JB	0.000090 JB	< 0.00020 U
Benzo(g-h-i)perylene	mg/L	0.21	< 0.00020 U	< 0.00019 U	< 0.0010 UF1	< 0.00019 U	< 0.00019 U	< 0.00020 U
Benzo(k)fluoranthene	mg/L	0.00017	0.00011 J	< 0.00019 U	0.00072 JF1	< 0.00019 U	< 0.00019 U	< 0.00020 U
Benzoic acid	mg/L	28	< 0.029 U	< 0.028 U	0.023 J	< 0.029 U	< 0.029 U	< 0.031 U
Benzyl alcohol	mg/L	0.7	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Bis(2-chloroethoxy)methane	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Bis(2-chloroethyl)ether	mg/L	0.01	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
bis(2-Chloroisopropyl)ether	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Bromobenzene	mg/L	0.056	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Bromochloromethane	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Bromodichloromethane	mg/L	0.0002	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Bromoform	mg/L	0.001	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
Bromomethane	mg/L	0.0098	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Butylbenzylphthalate	mg/L	1.4	< 0.0098 U	< 0.0094 U	< 0.02 UF1	< 0.0095 U	< 0.0097 U	< 0.01 U
Carbon Disulfide	mg/L	0.7	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Carbon Tetrachloride	mg/L	0.005	0.1 J	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Chlorobenzene	mg/L	0.1	0.14 J	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Chlorodibromomethane	mg/L	0.14	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Chloroethane	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Chloroform	mg/L	0.07	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Chloromethane	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Chrysene	mg/L	0.012	< 0.00020 U	< 0.00019 U	< 0.0010 UF1	< 0.00019 U	< 0.00019 U	< 0.00020 U

Table 1
Pre-SEE Additional Groundwater Sample Results

Location			SVP-07					
Sample ID			SVP07-50-121522	SVP07-50-121522-DUP	SVP07-60-121522	SVP07-70-121522	SVP07-80-121522	SVP07-90-121522
Sample Date			12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022
Sample depth (ft bgs)			50	50	60	70	80	90
Analyte	Units	Screening Value	Results					
cis-1,2-Dichloroethene	mg/L	0.07	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
cis-1,3-Dichloropropene	mg/L	--	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
Dibenz[a,h]acridine	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Dibenzo(a-h)anthracene	mg/L	0.0003	< 0.00020 U	< 0.00019 U	< 0.0010 UF1	< 0.00019 U	< 0.00019 U	< 0.00020 U
Dibenzofuran	mg/L	0.007	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Dibromomethane	mg/L	--	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
Dichlorodifluoromethane	mg/L	1.4	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Diethylphthalate	mg/L	5.6	< 0.0098 U	< 0.0094 U	< 0.02 U	0.00028 J	< 0.0097 U	< 0.01 U
Dimethylphthalate	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Di-n-butylphthalate	mg/L	0.7	< 0.0098 U	< 0.0094 U	< 0.02 UF1	< 0.0095 U	< 0.0097 U	< 0.01 U
Di-n-octylphthalate	mg/L	0.14	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Ethyl methacrylate	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Ethylbenzene	mg/L	0.7	< 0.5 U	< 0.5 U	< 5 U	< 1 U	0.00069 J	< 0.1 U
Fluoranthene	mg/L	0.28	< 0.00020 U	< 0.00019 U	< 0.0010 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Fluorene	mg/L	0.28	0.00014 J	0.00017 J	< 0.0010 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Freon 11 (Trichlorofluoromethane)	mg/L	2.1	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Hexachlorobenzene	mg/L	0.00006	< 0.0098 U	< 0.0094 U	< 0.02 U**	< 0.0095 U	< 0.0097 U	< 0.01 U
Hexachlorobutadiene	mg/L	0.007	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
Hexachlorocyclopentadiene	mg/L	0.05	< 0.02 U	< 0.019 U	< 0.04 U	< 0.019 U	< 0.019 U	< 0.02 U
Hexachloroethane	mg/L	0.007	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Indene	mg/L	--	< 0.0098 U	< 0.0094 U	0.0026 J	< 0.0095 U	< 0.0097 U	< 0.01 U
Indeno(1,2,3,c,d)pyrene	mg/L	0.00043	< 0.00020 U	< 0.00019 U	< 0.0010 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Isophorone	mg/L	1.4	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
Isopropylbenzene	mg/L	0.7	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
m,p-Xylene	mg/L	10	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
Methyl Tert-butyl Ether (MTBE)	mg/L	0.07	0.13 J	< 0.5 U	< 5 U	< 1 U	0.00060 J	< 0.1 U
Methylene Chloride	mg/L	0.005	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
Naphthalene	mg/L	0.14	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
n-Butylbenzene	mg/L	0.35	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Nitrobenzene	mg/L	0.014	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
N-Nitrosodimethylamine	mg/L	0.0000017	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
N-Nitrosodiphenylamine	mg/L	0.0032	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
N-Nitrosodipropylamine	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
n-Propylbenzene	mg/L	0.7	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
o-Xylene	mg/L	--	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
Pentachlorophenol	mg/L	0.001	< 0.02 U	< 0.019 U	< 0.04 U	< 0.019 U	< 0.019 U	< 0.02 U
Phenanthrene	mg/L	0.21	0.000082 J	0.00014 J	< 0.0010 U	< 0.00019 U	< 0.00019 U	< 0.00020 U
Phenol	mg/L	0.1	0.14	0.076	0.45 F1	0.14	0.0097	0.41
p-Isopropyltoluene	mg/L	--	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Pyrene	mg/L	0.21	< 0.00020 U	0.000068 J	< 0.0010 U	< 0.00019 U	0.000056 J	< 0.00020 U
Pyridine	mg/L	0.007	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			SVP-07					
Sample ID			SVP07-50-121522	SVP07-50-121522-DUP	SVP07-60-121522	SVP07-70-121522	SVP07-80-121522	SVP07-90-121522
Sample Date			12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022	12/15/2022
Sample depth (ft bgs)			50	50	60	70	80	90
Analyte	Units	Screening Value	Results					
Quinoline	mg/L	--	< 0.0098 U	< 0.0094 U	< 0.02 U	< 0.0095 U	< 0.0097 U	< 0.01 U
sec-Butylbenzene	mg/L	0.7	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Styrene	mg/L	0.1	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
tert-Butylbenzene	mg/L	0.7	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Tetrachloroethene	mg/L	0.005	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Toluene	mg/L	1	< 0.5 U	< 0.5 U	< 5 U	< 1 U	0.00056 J	< 0.1 U
trans-1,2-Dichloroethene	mg/L	0.1	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
trans-1,3-Dichloropropene	mg/L	--	< 2.5 U	< 2.5 U	< 25 U	< 5 U	< 0.0050 U	< 0.5 U
Trichloroethene	mg/L	0.005	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Vinyl Acetate	mg/L	7	< 13 U	< 13 U	< 130 U	< 25 U	< 0.025 U	< 2.5 U
Vinyl Chloride	mg/L	0.002	< 0.5 U	< 0.5 U	< 5 U	< 1 U	< 0.0010 U	< 0.1 U
Xylenes, Total	mg/L	10	< 5 U	< 5 U	< 50 U	< 10 U	< 0.01 U	< 1 U

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			SVP-09				
Sample ID			SVP09-50-010623	SVP09-60-010623	SVP09-70-010623	SVP09-80-010623	SVP09-90-010623
Sample Date			1/6/2023	1/6/2023	1/6/2023	1/6/2023	1/6/2023
Sample depth (ft bgs)			50	60	70	80	90
Analyte	Units	Screening Value	Results				
1,1,1,2-Tetrachloroethane	mg/L	0.0033	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,1,1-Trichloroethane	mg/L	0.2	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,1,2,2-Tetrachloroethane	mg/L	0.00043	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,1,2-Trichloroethane	mg/L	0.005	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
1,1-Dichloroethane	mg/L	1.4	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,1-Dichloroethene	mg/L	0.007	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,1-Dichloropropene	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,2,3-Trichlorobenzene	mg/L	0.0056	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,2,3-Trichloropropane	mg/L	0.000012	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
1,2,4-Trichlorobenzene	mg/L	0.07	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,2,4-Trimethylbenzene	mg/L	0.07	< 0.0010 U	0.79	0.035	0.036	0.023
1,2-Dichlorobenzene	mg/L	0.6	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,2-Dichloroethane	mg/L	0.005	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,2-Dichloropropane	mg/L	0.005	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,3,5-Trimethylbenzene	mg/L	0.07	< 0.0010 U	< 0.5 U	0.011 J	0.012 J	0.0065
1,3-Dichlorobenzene	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,3-Dichloropropane	mg/L	0.14	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,4-Dichlorobenzene	mg/L	0.075	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1,4-Dioxane	mg/L	0.0077	< 0.011 U*1	< 0.011 U*1	< 0.0098 U*1	< 0.0097 U*1	< 0.0097 U*1
1-Chlorohexane	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
1-Methylnaphthalene	mg/L	0.49	< 0.00021 U	0.1	0.0034	0.0046	0.0016
2,2-Dichloropropane	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
2,4,5-Trichlorophenol	mg/L	0.7	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2,4,6-Trichlorophenol	mg/L	0.01	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2,4-Dichlorophenol	mg/L	0.021	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2,4-Dimethylphenol	mg/L	0.14	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2,4-Dinitrophenol	mg/L	0.014	< 0.032 U	< 0.032 U	< 0.029 U	< 0.029 U	< 0.029 U
2,4-Dinitrotoluene	mg/L	0.0001	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2,6-Dinitrotoluene	mg/L	0.00031	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2-Butanone (MEK)	mg/L	4.2	0.0098 J	< 13 U	< 0.5 U	< 0.5 U	0.017 J
2-Chloroethylvinylether	mg/L	--	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
2-Chloronaphthalene	mg/L	0.56	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2-Chlorophenol	mg/L	0.035	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2-Chlorotoluene	mg/L	0.14	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
2-Hexanone	mg/L	0.035	< 0.025 U	< 13 U	< 0.5 U	< 0.5 U	< 0.05 U
2-Methyl-4,6-dinitrophenol	mg/L	0.00056	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2-Methylnaphthalene	mg/L	0.028	< 0.00021 U	0.23	0.0062	0.0078	0.0026
2-Methylphenol	mg/L	0.35	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2-Nitroaniline	mg/L	0.105	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
2-Nitrophenol	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
3&4-Methylphenol	mg/L	0.35	< 0.021 U	< 0.021 U	< 0.02 U	< 0.019 U	< 0.019 U
3,3-Dichlorobenzidine	mg/L	0.02	< 0.011 U*+	< 0.011 U*+	< 0.0098 U*+	< 0.0097 U*+	< 0.0097 U*+
3-Nitroaniline	mg/L	--	< 0.011 U*+	< 0.011 U*+	< 0.0098 U*+	< 0.0097 U*+	< 0.0097 U*+

Table 1
Pre-SEE Additional Groundwater Sample Results

Location			SVP-09				
Sample ID			SVP09-50-010623	SVP09-60-010623	SVP09-70-010623	SVP09-80-010623	SVP09-90-010623
Sample Date			1/6/2023	1/6/2023	1/6/2023	1/6/2023	1/6/2023
Sample depth (ft bgs)			50	60	70	80	90
Analyte	Units	Screening Value	Results				
4-Bromophenyl phenyl ether	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
4-Chloro-3-methylphenol	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
4-Chloroaniline	mg/L	0.028	< 0.011 U*+	< 0.011 U*+	< 0.0098 U*+	< 0.0097 U*+	< 0.0097 U*+
4-Chlorophenyl phenyl ether	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
4-Chlorotoluene	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
4-Methyl-2-Pentanone (MIBK)	mg/L	0.56	< 0.025 U	< 13 U	< 0.5 U	< 0.5 U	< 0.05 U
4-Nitroaniline	mg/L	0.028	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
4-Nitrophenol	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Acenaphthene	mg/L	0.42	< 0.00021 U	0.0011	< 0.00020 U	< 0.00019 U	< 0.00019 U
Acenaphthylene	mg/L	0.21	< 0.00021 U	0.00092	< 0.00020 U	< 0.00019 U	< 0.00019 U
Acetone	mg/L	6.3	0.033	< 13 U	< 0.5 U	< 0.5 U	0.049 J
Acrolein	mg/L	0.0035	< 0.02 U	< 10 U	< 0.4 U	< 0.4 U	< 0.04 U
Acrylonitrile	mg/L	0.00016	< 0.01 U	< 5 U	< 0.2 U	< 0.2 U	< 0.02 U
Aniline	mg/L	0.015	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Anthracene	mg/L	2.1	< 0.00021 U	< 0.00021 U	< 0.00020 U	< 0.00019 U	< 0.00019 U
Azobenzene	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Benzene	mg/L	0.005	0.00045 J	160	1.8	2	0.21
Benzenethiol	mg/L	--	< 0.011 U*	< 0.011 U*	< 0.0098 U*	< 0.0097 U*	< 0.0097 U*
Benzo(a)anthracene	mg/L	0.00013	0.00016 J	0.0012 J	< 0.00020 U	< 0.00019 U	< 0.00019 U
Benzo(a)pyrene	mg/L	0.0002	0.00025 B	0.00028 B	< 0.00020 U	< 0.00019 U	0.00015 JB
Benzo(b)fluoranthene	mg/L	0.00018	0.00027 B	0.0021 B	< 0.00020 U	< 0.00019 U	< 0.00019 U
Benzo(g-h-i)perylene	mg/L	0.21	< 0.00021 U	< 0.00021 U	< 0.00020 U	< 0.00019 U	< 0.00019 U
Benzo(k)fluoranthene	mg/L	0.00017	0.00022 B	0.00029 B	< 0.00020 U	< 0.00019 U	< 0.00019 U
Benzoic acid	mg/L	28	0.036	< 0.032 U	< 0.029 U	< 0.029 U	< 0.029 U
Benzyl alcohol	mg/L	0.7	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Bis(2-chloroethoxy)methane	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Bis(2-chloroethyl)ether	mg/L	0.01	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
bis(2-Chloroisopropyl)ether	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Bis(2-ethylhexyl)phthalate	mg/L	0.006	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Bromobenzene	mg/L	0.056	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Bromochloromethane	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Bromodichloromethane	mg/L	0.0002	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Bromoform	mg/L	0.001	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
Bromomethane	mg/L	0.0098	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Butylbenzylphthalate	mg/L	1.4	0.0028 J	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Carbon Disulfide	mg/L	0.7	0.00059 J	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Carbon Tetrachloride	mg/L	0.005	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Chlorobenzene	mg/L	0.1	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Chlorodibromomethane	mg/L	0.14	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Chloroethane	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Chloroform	mg/L	0.07	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Chloromethane	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Chrysene	mg/L	0.012	0.00012 J	0.00082 J	< 0.00020 U	< 0.00019 U	0.000089 J

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			SVP-09				
Sample ID			SVP09-50-010623	SVP09-60-010623	SVP09-70-010623	SVP09-80-010623	SVP09-90-010623
Sample Date			1/6/2023	1/6/2023	1/6/2023	1/6/2023	1/6/2023
Sample depth (ft bgs)			50	60	70	80	90
Analyte	Units	Screening Value	Results				
cis-1,2-Dichloroethene	mg/L	0.07	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
cis-1,3-Dichloropropene	mg/L	--	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
Dibenz[a,h]acridine	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Dibenzo(a-h)anthracene	mg/L	0.0003	< 0.00021 U	< 0.00021 U	< 0.00020 U	< 0.00019 U	< 0.00019 U
Dibenzofuran	mg/L	0.007	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Dibromomethane	mg/L	--	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
Dichlorodifluoromethane	mg/L	1.4	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Diethylphthalate	mg/L	5.6	< 0.011 U	< 0.011 U	0.00073 J	< 0.0097 U	< 0.0097 U
Dimethylphthalate	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Di-n-butylphthalate	mg/L	0.7	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Di-n-octylphthalate	mg/L	0.14	0.0039 J	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Ethyl methacrylate	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Ethylbenzene	mg/L	0.7	< 0.0010 U	2.4	0.067	0.074	0.047
Fluoranthene	mg/L	0.28	0.00015 J	0.00021	< 0.00020 U	< 0.00019 U	0.00014 J
Fluorene	mg/L	0.28	< 0.00021 U	< 0.00021 U	< 0.00020 U	< 0.00019 U	< 0.00019 U
Freon 11 (Trichlorofluoromethane)	mg/L	2.1	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Hexachlorobenzene	mg/L	0.00006	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Hexachlorobutadiene	mg/L	0.007	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
Hexachlorocyclopentadiene	mg/L	0.05	< 0.021 U	< 0.021 U	< 0.02 U	< 0.019 U	< 0.019 U
Hexachloroethane	mg/L	0.007	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Indene	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Indeno(1,2,3,c,d)pyrene	mg/L	0.00043	< 0.00021 U	< 0.00021 U	< 0.00020 U	< 0.00019 U	< 0.00019 U
Isophorone	mg/L	1.4	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
Isopropylbenzene	mg/L	0.7	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	0.0017 J
m,p-Xylene	mg/L	10	< 0.0050 U	5.4	0.15	0.16	0.11
Methyl Tert-butyl Ether (MTBE)	mg/L	0.07	0.0016	< 0.5 U	0.0048 J	< 0.02 U	< 0.0020 U
Methylene Chloride	mg/L	0.005	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
Naphthalene	mg/L	0.14	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	0.0071 J
n-Butylbenzene	mg/L	0.35	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Nitrobenzene	mg/L	0.014	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
N-Nitrosodimethylamine	mg/L	0.0000017	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
N-Nitrosodiphenylamine	mg/L	0.0032	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
N-Nitrosodipropylamine	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
n-Propylbenzene	mg/L	0.7	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	0.0047
o-Xylene	mg/L	--	< 0.0050 U	1.9 J	0.054 J	0.068 J	0.038
Pentachlorophenol	mg/L	0.001	0.0087 J	0.0079 J	< 0.02 U	< 0.019 U	< 0.019 U
Phenanthrene	mg/L	0.21	< 0.00021 U	0.0030	< 0.00020 U	0.000073 J	0.000081 J
Phenol	mg/L	0.1	< 0.011 U	0.3	0.036	0.041	0.0073 J
p-Isopropyltoluene	mg/L	--	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Pyrene	mg/L	0.21	0.00014 J	0.00094 J	< 0.00020 U	< 0.00019 U	0.00011 J
Pyridine	mg/L	0.007	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U

**Table 1
Pre-SEE Additional Groundwater Sample Results**

Location			SVP-09				
Sample ID			SVP09-50-010623	SVP09-60-010623	SVP09-70-010623	SVP09-80-010623	SVP09-90-010623
Sample Date			1/6/2023	1/6/2023	1/6/2023	1/6/2023	1/6/2023
Sample depth (ft bgs)			50	60	70	80	90
Analyte	Units	Screening Value	Results				
Quinoline	mg/L	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.0097 U	< 0.0097 U
sec-Butylbenzene	mg/L	0.7	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Styrene	mg/L	0.1	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
tert-Butylbenzene	mg/L	0.7	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Tetrachloroethene	mg/L	0.005	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Toluene	mg/L	1	< 0.0010 U	1.1	0.031	0.047	0.016
trans-1,2-Dichloroethene	mg/L	0.1	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
trans-1,3-Dichloropropene	mg/L	--	< 0.0050 U	< 2.5 U	< 0.1 U	< 0.1 U	< 0.01 U
Trichloroethene	mg/L	0.005	< 0.0010 U	< 0.5 U	< 0.02 U	< 0.02 U	< 0.0020 U
Vinyl Acetate	mg/L	7	< 0.025 U	< 13 U	< 0.5 U	< 0.5 U	< 0.05 U
Vinyl Chloride	mg/L	0.002	< 0.0010 U*+	< 0.5 U*+	< 0.02 U*+	< 0.02 U*+	< 0.0020 U*+
Xylenes, Total	mg/L	10	< 0.01 U	7.3	0.2	0.23	0.15

Notes:

Black text indicates detections above the reporting limit (RL), or estimated detections between the method detection limit (MDL) and RL.

< : Gray text indicates analyte was not detected at the given RL.

Screening criteria are from 35 IAC 620, Subpart D; 35 IAC 742 (TACO), Appendix B, Table E; or IEPA Toxicity Assessment Unit (Chemicals not in TACO, Tier 1 Tables).

-- : Indicates analyte does not have a screening criterion

Yellow highlighted cells indicate detection that exceeded screening criteria.

-- Empty cell without a value indicates the analyte was not analyzed.

Laboratory Qualifiers

B = A target analyte or common laboratory contaminant was identified in the method blank, indicating possible field or lab contamination.

F1 = Matrix spike and/or matrix spike duplicate recovery is outside acceptance limits.

F2 = MS/MSD RPD exceeds control limits.

H = Holding time exceeds limits.

J = Estimated value; results between the MDL and RL

U = The analyte was not detected at the RL.

E = Results exceeded calibration range.

S1- = Surrogate recovery exceeds control limits, low biased

S1+ = Surrogate recovery exceeds control limits, high biased

*+ = Laboratory Control Samples (LCS) and/or LCS duplicate (LCSD) is outside acceptance limits, high biased

*1 = LCS/LCSD RPD exceeds control limits

*3 = Internal Standard (ISTD) response or retention time outside acceptable limits

AECOM Qualifiers

J = The result is estimated.

UJ = Estimated non-detect.

U = Result is non-detect.

**Table 2
Pre-SEE Additional Soil Sample Results**

Location		SB-101 & SB-101A				SB-102					
Sample ID		SB101-20-120722	SB101-48-120722	SB101-51.5-120722	SB101A-67-121922	SB102-10-120522	SB102-42-120622	SB102-52-120622	SB102-52-120622-DUP	SB102-55-120622	SB102-72-120622
Sample Date		12/7/2022	12/7/2022	12/7/2022	12/19/2022	12/5/2022	12/6/2022	12/6/2022	12/6/2022	12/6/2022	12/6/2022
Sample depth (ft bgs)		20	48	51.5	67	10	42	52	52	55	72
Analyte	Units	Results									
1,1,1,2-Tetrachloroethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,1,1-Trichloroethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,1,2,2-Tetrachloroethane	mg/kg	< 0.0053 UF1	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,1,2-Trichloroethane	mg/kg	< 0.0053 UF1	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,1-Dichloroethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,1-Dichloroethene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,1-Dichloropropene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,2,3-Trichlorobenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,2,3-Trichloropropane	mg/kg	< 0.0053 UF1F2	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,2,4-Trichlorobenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,2,4-Trimethylbenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	0.98	1.8	16	0.2
1,2-Dichlorobenzene	mg/kg	< 0.0053 UF1*+	< 13 U*+	< 3.6 U	< 0.0046 U	< 0.0054 U*+	< 0.38 U*+	< 0.55 U	< 0.37 U*+	< 12 U*+	< 0.0043 U*+
1,2-Dichloroethane	mg/kg	< 0.0053 U	< 13 U	9.1	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,2-Dichloropropane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,3,5-Trimethylbenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	0.29 J	0.52	5.9 J	0.067
1,3-Dichlorobenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,3-Dichloropropane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,4-Dichlorobenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1,4-Dioxane	mg/kg	< 0.33 UF1F2	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
1-Chlorohexane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
1-Methylnaphthalene	mg/kg	< 0.0066 U	0.0030 J	0.012	0.0012 J	0.0016 J	0.019 B	0.092 B	0.09 B	1.7	0.015
2,2-Dichloropropane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
2,4,5-Trichlorophenol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2,4,6-Trichlorophenol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2,4-Dichlorophenol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2,4-Dimethylphenol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2,4-Dinitrophenol	mg/kg	< 1 UF1	< 1.2 U	< 1.2 U	< 1.2 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.2 U	< 1.1 U	< 1 U
2,4-Dinitrotoluene	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2,6-Dinitrotoluene	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2-Butanone (MEK)	mg/kg	< 0.027 U	< 66 U	< 18 U	< 0.023 U	< 0.027 U	< 1.9 U	< 2.7 U	< 1.9 U	< 58 U	< 0.022 U
2-Chloroethylvinylether	mg/kg	< 0.011 U	< 27 U	< 14 U	< 0.0093 U	< 0.011 U	< 0.75 U	< 1.1 U	< 0.75 U	< 23 U	< 0.0086 U
2-Chloronaphthalene	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2-Chlorophenol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2-Chlorotoluene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
2-Hexanone	mg/kg	< 0.027 U	< 66 U	< 18 U	< 0.023 U	< 0.027 U	< 1.9 U	< 2.7 U	< 1.9 U	< 58 U	< 0.022 U
2-Methyl-4,6-dinitrophenol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U*	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2-Methylnaphthalene	mg/kg	0.0017 JB	0.0052 JB	0.025 B	0.0026 JB	0.0027 J	0.0048 JB	0.14 B	0.15 B	4.7 B	0.025 B
2-Methylphenol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2-Nitroaniline	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
2-Nitrophenol	mg/kg	< 0.33 UF1	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
3&4-Methylphenol	mg/kg	< 0.66 U	< 0.77 U	< 0.8 U	< 0.78 U	< 0.69 U	< 0.76 U	< 0.82 U	< 0.83 U	< 0.76 U	< 0.69 U
3,3-Dichlorobenzidine	mg/kg	< 0.33 U*+	< 0.39 U*+	< 0.4 U*+	< 0.39 UF1*+	< 0.35 U*+	< 0.38 U*+	< 0.41 U*+	< 0.41 U*+	< 0.38 U*+	< 0.34 U*+
3-Nitroaniline	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
4-Bromophenyl phenyl ether	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
4-Chloro-3-methylphenol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
4-Chloroaniline	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	1.4	< 0.34 U
4-Chlorophenyl phenyl ether	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
4-Chlorotoluene	mg/kg	< 0.0053 UF1	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
4-Methyl-2-Pentanone (MIBK)	mg/kg	< 0.027 U	< 66 U	< 18 U	< 0.023 U	< 0.027 U	< 1.9 U	< 2.7 U	< 1.9 U	< 58 U	< 0.022 U
4-Nitroaniline	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
4-Nitrophenol	mg/kg	< 0.33 UF1	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U

**Table 2
Pre-SEE Additional Soil Sample Results**

Location		SB-101 & SB-101A				SB-102					
Sample ID		SB101-20-120722	SB101-48-120722	SB101-51.5-120722	SB101A-67-121922	SB102-10-120522	SB102-42-120622	SB102-52-120622	SB102-52-120622-DUP	SB102-55-120622	SB102-72-120622
Sample Date		12/7/2022	12/7/2022	12/7/2022	12/19/2022	12/5/2022	12/6/2022	12/6/2022	12/6/2022	12/6/2022	12/6/2022
Sample depth (ft bgs)		20	48	51.5	67	10	42	52	52	55	72
Analyte	Units	Results									
Acenaphthene	mg/kg	< 0.0066 U	< 0.0077 U	< 0.0080 U	< 0.0078 U	0.0011 J	0.0069 J	0.014	0.014	0.021	< 0.0069 U
Acenaphthylene	mg/kg	< 0.0066 U	0.0018 J	< 0.0080 U	< 0.0078 U	0.0018 J	0.0019 JB	0.0015 JB	0.0014 JB	0.012	< 0.0069 U
Acetone	mg/kg	< 0.027 U	< 66 U	< 18 U	< 0.023 U	< 0.027 U	< 1.9 U	< 2.7 U	< 1.9 U	< 58 U	< 0.022 U
Acrolein	mg/kg	< 0.053 U	< 130 U	< 36 U*+	< 0.046 U	< 0.054 U	< 3.8 U	< 5.5 U	< 3.7 U	< 120 U	< 0.043 U
Acrylonitrile	mg/kg	< 0.021 U	< 53 U	< 14 U	< 0.019 U	< 0.022 U	< 1.5 U	< 2.2 U	< 1.5 U	< 46 U	< 0.017 U
Aniline	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Anthracene	mg/kg	0.0014 JB	< 0.0077 U	< 0.0080 U	< 0.0078 U	0.0013 JB	0.013 B	< 0.0080 U	< 0.0081 U	< 0.0076 U	< 0.0069 U
Azobenzene	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Benzene	mg/kg	< 0.0053 U	730	280	0.97	< 0.0054 U	8.5	12	17	610	3.7
Benzenethiol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Benzo(a)anthracene	mg/kg	0.0025 JB	0.0034 JB	0.0032 JB	< 0.0078 U	0.0018 JB	0.0062 J	0.0022 J	0.0019 J	0.0069 JB	0.0025 JB
Benzo(a)pyrene	mg/kg	0.0030 JB	0.0041 JB	0.0035 JB	< 0.0038 U	0.0015 JB	0.0041 J	< 0.0080 U	< 0.0081 U	0.0045 JB	0.0023 JB
Benzo(b)fluoranthene	mg/kg	0.0031 JB	0.0039 JB	0.0035 JB	0.0037 J	0.0018 JB	0.0052 J	< 0.0080 U	< 0.0081 U	0.0064 JB	0.0025 JB
Benzo(g-h-i)perylene	mg/kg	< 0.0066 U	< 0.0077 U	< 0.0080 U	< 0.0078 U	< 0.0069 U	< 0.0076 U	< 0.0080 U	< 0.0081 U	< 0.0076 U	< 0.0069 U
Benzo(k)fluoranthene	mg/kg	0.0031 JB	0.0029 JB	0.0027 JB	< 0.0078 U	< 0.0069 U	0.0026 J	< 0.0080 U	< 0.0081 U	0.0032 JB	0.0018 JB
Benzoic acid	mg/kg	< 1 UF1	< 1.2 U	< 1.2 U	< 1.2 UF2F1	< 1 U	0.41 J	< 1.2 U	< 1.2 U	< 1.1 U	< 1 U
Benzyl alcohol	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Bis(2-chloroethoxy)methane	mg/kg	< 0.33 UF1	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Bis(2-chloroethyl)ether	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
bis(2-Chloroisopropyl)ether	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Bis(2-ethylhexyl)phthalate	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Bromobenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Bromochloromethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Bromodichloromethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Bromoform	mg/kg	< 0.0053 UF1	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Bromomethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U*+	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Butylbenzylphthalate	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Carbon Disulfide	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	0.0057 J
Carbon Tetrachloride	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Chlorobenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Chlorodibromomethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Chloroethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Chloroform	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	0.0073
Chloromethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Chrysene	mg/kg	0.0015 JB	0.0027 JB	0.0022 JB	< 0.0078 U	0.0010 JB	0.0050 J	< 0.0080 U	< 0.0081 U	0.0047 JB	0.0012 JB
cis-1,2-Dichloroethene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
cis-1,3-Dichloropropene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Dibenz[a,h]acridine	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Dibenzo(a-h)anthracene	mg/kg	< 0.0066 U	< 0.0077 U	< 0.0080 U	< 0.0078 U	< 0.0069 U	< 0.0076 U	< 0.0080 U	< 0.0081 U	< 0.0076 U	< 0.0069 U
Dibenzofuran	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Dibromomethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Dichlorodifluoromethane	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Diesel Range Organics	mg/kg	4.6 J	< 5.8 U	3.1 J	< 5.8 U	-	13	30	47	600	3.3 J
Diethylphthalate	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Dimethylphthalate	mg/kg	< 0.33 U*+	< 0.39 U*+	< 0.4 U*+	< 0.39 U	< 0.35 U	< 0.38 U*+	< 0.41 U*+	< 0.41 U*+	< 0.38 U*+	< 0.34 U*+
Di-n-butylphthalate	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Di-n-octylphthalate	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Ethyl methacrylate	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Ethylbenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	2.2	2.4	11 J	0.12
Fluoranthene	mg/kg	0.0023 JB	0.0042 JB	0.0035 JB	0.0026 JB	0.0021 JB	0.021 B	0.0023 JB	0.0019 JB	0.012 B	0.0031 JB
Fluorene	mg/kg	< 0.0066 U	< 0.0077 U	< 0.0080 U	< 0.0078 U	< 0.0069 U	0.016	0.0091	0.0082	0.032	< 0.0069 U
Freon 11 (Trichlorofluoromethane)	mg/kg	< 0.0053 U	< 13 U	< 3.6 U*+	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Gasoline Range Organics	mg/kg	2.7 J	630	470	3.4 J	-	12	100	110	110	2.5 J

Location		SB-101 & SB-101A				SB-102					
Sample ID		SB101-20-120722	SB101-48-120722	SB101-51.5-120722	SB101A-67-121922	SB102-10-120522	SB102-42-120622	SB102-52-120622	SB102-52-120622-DUP	SB102-55-120622	SB102-72-120622
Sample Date		12/7/2022	12/7/2022	12/7/2022	12/19/2022	12/5/2022	12/6/2022	12/6/2022	12/6/2022	12/6/2022	12/6/2022
Sample depth (ft bgs)		20	48	51.5	67	10	42	52	52	55	72
Analyte	Units	Results									
Hexachlorobenzene	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Hexachlorobutadiene	mg/kg	< 0.0053 U*+	< 13 U*+	< 3.6 U	< 0.0046 U	< 0.0054 U*+	< 0.38 U*+	< 0.55 U	< 0.37 U*+	< 12 U*+	< 0.0043 U*+
Hexachlorocyclopentadiene	mg/kg	< 0.33 UF1	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Hexachloroethane	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Indene	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Indeno(1,2,3,c,d)pyrene	mg/kg	< 0.0066 U	< 0.0077 U	< 0.0080 U	< 0.0078 U	< 0.0069 U	< 0.0076 U	< 0.0080 U	< 0.0081 U	< 0.0076 U	< 0.0069 U
Isophorone	mg/kg	< 0.33 UF1	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Isopropylbenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	0.077 J	0.12 J	< 12 U	0.0091
m,p-Xylene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	0.0016 J	< 0.0054 U	< 0.38 U	4.3	4.8	20	0.23
Methyl Tert-butyl Ether (MTBE)	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Methylene Chloride	mg/kg	< 0.016 U	< 40 U	< 11 U	< 0.014 U	< 0.016 U	< 1.1 U	< 1.6 U	< 1.1 U	< 35 U	< 0.013 U
Naphthalene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	0.37 J	0.62	< 12 U	0.022
n-Butylbenzene	mg/kg	< 0.0053 U*+	< 13 U*+	< 3.6 U	< 0.0046 U	< 0.0054 U*+	< 0.38 U*+	0.16 J	0.26 J*+	< 12 U*+	< 0.26 U
Nitrobenzene	mg/kg	< 0.33 UF1	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
N-Nitrosodimethylamine	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
N-Nitrosodiphenylamine	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
N-Nitrosodipropylamine	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
n-Propylbenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	0.29 J	0.41	4 J	0.045
o-Xylene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	1.2	1.1	6.1 J	0.038
Pentachlorophenol	mg/kg	< 0.66 U	< 0.77 U	< 0.8 U	< 0.78 U	< 0.69 U	< 0.76 U	< 0.82 U	< 0.83 U	< 0.76 U	< 0.69 U
Phenanthrene	mg/kg	< 0.0066 U	0.0034 J	0.0020 J	< 0.0078 U	< 0.0069 U	0.044	0.0066 J	0.0053 J	0.062	0.0013 J
Phenol	mg/kg	< 0.33 U	0.31 J	0.69	< 0.39 U	< 0.35 U	0.17 J	< 0.41 U	< 0.41 U	1.3	0.074 J
p-Isopropyltoluene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	0.0035 J
Pyrene	mg/kg	0.0013 J	0.0042 J	0.0047 J	0.0015 J	0.0012 JB	0.016	0.0015 J	< 0.0081 U	0.011	0.0019 J
Pyridine	mg/kg	< 0.33 UF1	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
Quinoline	mg/kg	< 0.33 U	< 0.39 U	< 0.4 U	< 0.39 U	< 0.35 U	< 0.38 U	< 0.41 U	< 0.41 U	< 0.38 U	< 0.34 U
sec-Butylbenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	0.0066
Styrene	mg/kg	< 0.0053 UF1	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
tert-Butylbenzene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	0.0030 J
Tetrachloroethene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Toluene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	0.0017 J	< 0.0054 U	< 0.38 U	0.87	0.94	13	0.1
trans-1,2-Dichloroethene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
trans-1,3-Dichloropropene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Trichloroethene	mg/kg	< 0.0053 U	< 13 U	< 3.6 U	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Vinyl Acetate	mg/kg	< 0.027 U	< 66 U	< 18 U	< 0.023 U	< 0.027 U	< 1.9 U	< 2.7 U	< 1.9 U	< 58 U	< 0.022 U
Vinyl Chloride	mg/kg	< 0.0053 U	< 13 U	< 3.6 U*+	< 0.0046 U	< 0.0054 U	< 0.38 U	< 0.55 U	< 0.37 U	< 12 U	< 0.0043 U
Xylenes, Total	mg/kg	< 0.011 U	< 27 U	< 7.2 U	0.0020 J	< 0.011 U	< 0.75 U	5.4	5.9	26	0.26

Notes
 Black text indicates detections above the reporting limit (RL), or estimated detections between the method detection limit (MDL) and RL.
 < : Gray text indicates analyte was not detected at the given RL.
 Empty cell without a value indicates the analyte was not analyzed.

Laboratory Qualifiers

B = A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 F1 = Matrix spike and/or matrix spike duplicate recovery is outside acceptance limits.
 F2 = MS/MSD RPD exceeds control limits.
 J = Estimated value; results between the MDL and RL
 U = The analyte was not detected at the RL.
 S1- = Surrogate recovery exceeds control limits, low biased
 S1+ = Surrogate recovery exceeds control limits, high biased
 *+ = Laboratory Control Samples (LCS) and/or LCS duplicate (LCSD) is outside acceptance limits, high biased
 + = LCS and/or LCSD is outside acceptance limits, low biased

AECOM Qualifiers

J = The result is estimated.
 UJ = Estimated non-detect.
 U = Result is non-detect.