

Appendix F

Hazardous Materials

Appendix F.1a
Soil and Groundwater Sampling Plan
(2024)



**Battery Park
City Authority**

North/West Battery Park City Resiliency Project

Environmental Sampling Report

July 2024

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Note:

- 1) All = Turner EE Cruz, Arcadis and its subconsultants (SCAPE/BIG/WSP, etc.)
- 2) Arcadis team = Arcadis and its subconsultants (SCAPE/BIG/WSP, etc.)

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Acronyms and Abbreviations

AWQS - Ambient Water Quality Standards and Guidance Values

bgs - below ground surface

BPCA – Battery Park City Authority

BUD – Beneficial Use Determination

CBOD - Carbonaceous Biochemical Oxygen Demand

CFR - Code of Federal Regulations

DTB – Depth to Bottom

DTW – Depth to Water

EPA - Environmental Protection Agency

ESA - Environmental Site Assessment

ESI - environmental site investigation

ft – foot or feet

mg/kg – milligrams per kilogram

MS/MSD - matrix spike and matrix spike duplicate

NYCRR - New York Code Rules and Regulations

PCB - polychlorinated biphenyl

PGWSCO - Protection of Groundwater Soil Cleanup Objectives

PID - photoionization detector

ppm - parts per million

REC - Recognized Environmental Conditions

RSCO - Residential Soil Cleanup Objectives

RRSCO – Restricted-Residential Soil Cleanup Objectives

SCO – Soil Cleanup Objectives

SVOC - semivolatile organic compound

TAL - target analyte list

TCL - target compound list

TCLP - Toxicity Characteristic Leaching Procedure

TOC – Top of Casing

TOGS - Technical and Operational Guidance Series

ug/l – micrograms per liter

UUSCO - Unrestricted Use SCOs

VOC - volatile organic compound

1 Overview and Objectives

1.1 Introduction and Project Site

The North/West Battery Park City Authority (BPCA) Resiliency Project includes the creation of an integrated coastal flood risk management system along the Manhattan shoreline with the Hudson River (project area). The flood wall will require excavation to support construction of the foundation wall.

In 2023 and 2024, environmental sampling was conducted along the alignment to support environmental site characterization and waste management/disposal of excavated soils, groundwater, and sediment during construction. Environmental sampling was conducted to supplement limited investigations conducted previously in 2021 and 2022.

The 2023/2024 environmental sampling was conducted concurrently with geotechnical borings advanced along the proposed flood wall alignment. Environmental samples were collected concurrently with geotechnical samples to characterize environmental site conditions and determine potential disposal or reuse options of excavated material. Due to the limited space available onsite to stockpile material, Turner EE Cruise is not planning to reuse any excavated material within the project limits; therefore, a Beneficial Use Determination (BUD) will not be pursued. Soil analytical results are presented to provide characterization information for future disposal at an off-site facility and to provide characterization information for deeper soils that were not sampled during the 2021/2022 sampling event. Toxicity Characteristic Leaching Procedure (TCLP) soil sampling data will be used to determine if the solid waste requires disposal as hazardous material. Groundwater samples were also collected from existing monitoring wells along the alignment. No sediment samples were collected during the 2021-2022 sampling; therefore, sediment samples were collected concurrently with the geotechnical water borings to provide a general understanding of contaminants present in sediment within the project area.

The proposed alignment of the flood wall has been separated into the following seven (7) reaches with respective alignment number, and approximate location as shown on **Figure 1**:

1. Reach 1 (Alignment 1A) – West Street Crossing/Tribeca
2. Reach 2 (Alignment 2B) – North Esplanade
3. Reach 3 (Alignment 3A) – Rockefeller Park
4. Reach 4 (Alignment 4B) – Belvedere Plaza
5. Reach 5 (Alignment 5A) – North Cove
6. Reach 6 (Alignment 6A) – South Esplanade
7. Reach 7 (Alignment 7A) – South Cove

1.2 Regulatory Programs

The list below cites applicable environmental sampling programs and regulations that are pertinent to the project site:

- NYCRR 360.13 – Defines special requirements for pre-determined beneficial use of fill material and specifies testing, sampling, and analytical requirements along with acceptable fill uses.

- NYCRR Part 375-6 – Defines the soil cleanup objectives pertinent to the project site [Residential Soil Cleanup Objectives (RSCOs), Restricted-Residential Soil Cleanup Objectives (RRSCOs), Protection of Groundwater Soil Cleanup Objectives (PGWSCOs), and the Unrestricted Use SCOs (UUSCOs)].
- 40 Code of Federal Regulations (CFR) 261.21-261.23 – Defines properties which determine if a solid waste exhibits characteristics of ignitability, reactivity, or corrosivity.
- 40 CFR Part 261.24, Table 1: Environmental Protection Agency's (EPAs) Maximum Concentration of Contaminants for the Toxicity Characteristic – Defines maximum TCLP concentrations. If TCLP samples exceed concentrations in 40 CFR Part 261.24, the material must be disposed of as hazardous waste.
- New York Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (NYS AWQS) Class GA criteria – Presents Division of Water ambient water quality standards and guidance values and groundwater effluent limitations.
- Additional sediment quality parameters and sampling requirements are provided in TOGS 5.1.9 if management of dredged material is necessary. Three classes of sediment quality thresholds are established in TOGS 5.1.9 for dredged material based on the concentration of contaminants identified during the chemical analyses. Class A (no appreciable contamination), Class B (moderate contamination), and Class C (high contamination). For the purposes of this report, sediment data were compared to the TOGS Class A thresholds as they are the most stringent.

2 Previous Environmental Sampling (2021-2022)

Matrix New World Engineering, Land Surveying, and Landscape Architecture, P.C. (Matrix) performed a Corridor Environmental Site Assessment (ESA) in July 2021 as part of a due diligence evaluation to characterize soil and groundwater conditions in the project area to ensure proper handling and/or disposal of these materials during construction; and inform the bidding contractor on potential needs for worker health and safety. A subsurface environmental site investigation (ESI) was performed between November 2021 and May 2022 to investigate soil and groundwater conditions, based on the Recognized Environmental Conditions (RECs) identified in the July 2021 Corridor ESA. The ESI included sampling from 30 environmental soil borings and nine (9) groundwater monitoring wells. Details on these sampling results are included in **Appendix A** and a summary is presented below.

Soil analytical results from 2021-2022 indicated that historic fill is present across the project area with elevated concentrations of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and metals detected above the NYCRR Part 375-6 RRSCOs, RSCOs, PGWSCOs, and/or the UUSCOs.

Groundwater sampling results were compared to the NYS AWQS. Groundwater analytical results indicated that site groundwater contained SVOCs and metals exceeding the NYS AWQS, which is consistent with groundwater present in areas of regional historic fill. Groundwater sampled from a temporary well also detected vinyl chloride above its NYS AWQS.

A review of the 2021-2022 sampling results determined that additional environmental sampling was needed to support environmental site characterization and waste management of excavated soils and groundwater disposal. To obtain more representative samples of soils that will be excavated during construction, environmental samples were collected in 2023 concurrently with geotechnical borings to supplement samples collected by Matrix. A copy of the 2023 Environmental Sampling Plan is included in **Appendix A**.

3 2023 Soil Sampling Methodology

From June 26 to September 7, 2023, Arcadis or Arcadis' subcontractor, MFS Engineers and Surveyors, collected environmental samples concurrent with the geotechnical borings installed by Associated Environmental Services or Vibranalysis (Drillers). Soil samples were collected from a total of 10 borings. Soil samples were characterized, and field screened using a photoionization detector (PID) to assess the potential presence of VOCs, and the results were recorded on soil boring logs.

Discrete (grab) soil samples were collected from each geotechnical boring using hand augers or 2-foot (ft) split-spoon samplers continuously from the ground surface to a depth of approximately 12 ft below ground surface (bgs) to collect representative characterization samples. Once a depth of 12 ft was reached and no indication of contamination was observed, borings were advanced an additional 10 ft and one additional discrete sample was collected to provide representative characterization data for deeper soils that will be excavated during construction. From 25 ft bgs down to bedrock, one 2-ft split spoon was then advanced and examined every 5-ft of depth. Additional discrete samples were collected if evidence of contamination was present. Discrete samples were submitted for target compound list (TCL) VOC, SVOC, PCB, pesticide, and target analyte list (TAL) metals analysis. In addition, at least one composite sample was collected from one boring within each Reach with the exception of Reach 5. The boring sampled in Reach 5 (B-14) was abandoned due to the presence of concrete; therefore, no composite sample was collected at this location. Composite samples were submitted for TCLP analyses that included VOCs, SVOCs, pesticides, herbicides, and metals.

Additional details regarding sampling collection methods, quality control sampling, and sample location selection are detailed in **Appendix A**. **Table 1** provides a summary of the soil samples that were collected and notes any deviations from the Sampling Plan. Sampling locations are shown on **Figure 2**. Soil boring logs are included in **Appendix B**. Detailed information regarding each boring is included below.

3.1 Boring B-39 (Reach 1 – West St. Crossing and Tribeca)

Environmental sampling at boring location B-39 included collection of soil at intervals: 0-2, 2-4, and 4-6 ft bgs via hand auger, and 6-8 and 8-10 ft bgs via 2-ft split-spoons. No discrete samples were collected from 6-10 ft bgs due to insufficient material/recovery. Intervals 10-12 and 20-22 ft bgs were comprised of mostly wood debris; therefore, no discrete samples were collected. As noted on the boring logs (**Appendix B**), evidence of historic fill (wood) was noted from 8-22 ft bgs. No visible impacts/staining or elevated PID readings were observed in any interval examined.

Drilling was restarted at location B-39A which was approximately 3 ft away from initial B-39 location due to the presence of wood debris. Environmental sampling at boring location B-39A included collection of discrete samples at intervals: 0-2, 2-4, and 4-6 ft bgs via hand auger, and intervals 6-8, 8-10, 10-12, and 20-22 ft bgs via 2-ft split-spoons. As noted on the boring logs (**Appendix B**), evidence of historic fill (fragments of brick) was noted from 2-17 ft bgs. Evidence of historic fill (wood fragments) was also observed from 35-37 ft bgs. From 25 ft bgs down to bedrock (approximately 94 ft bgs) one 2-ft split-spoon was advanced and examined every 5 ft of depth. No visible impacts/staining or elevated PID readings were observed at any interval assessed at this location.

No TCLP composite sampling was conducted at Boring B-39A because composite sampling was conducted at boring (B-44), also located in Reach 1.

3.2 Boring B-44 (Reach 1 – West St. Crossing and Tribeca)

Environmental sampling at boring location B-44 included collection of discrete samples at intervals: 0-2, 2-4, and 4-6 ft bgs via hand auger. At intervals 6-8, 8-10, and 10-12 ft bgs, no discrete samples were collected due to insufficient material/recovery. Interval 20-22 ft bgs was collected via 2-ft split-spoon. As noted on the boring logs (**Appendix B**), evidence of historic fill (fragments of brick) was noted from 0-6 ft bgs.

From 25 ft bgs down to bedrock (approximately 100 ft bgs) one 2-ft split-spoon was advanced and examined every 5 ft of depth, except from 75-95 ft bgs where running sands (sands that flow into the borehole impeding drilling progress) were persistent. No visible impacts/staining or elevated PID readings were observed at any interval assessed at this location. One duplicate sample and one matrix spike and matrix spike duplicate (MS/MSD) were collected from the 4-6 ft bgs interval.

Two TCLP composite samples were collected at this boring location: COMP B-44 (0-57); and COMP B-44 (60-82).

3.3 Boring B-33 (Reach 2 – North Esplanade)

Environmental sampling at boring location B-33 included collection of discrete samples at intervals: 0-2; 2-4; 4-6 ft bgs via hand auger, and 6-8, 8-10, 10-12 ft bgs via 2-ft split spoons. A petroleum odor/sheen was noted from 15-17 ft bgs with a PID reading of 3.0 ppm; however, there was insufficient recovery at the next planned sample interval (20-22 ft bgs); therefore, no sample was collected. As noted on the boring logs (**Appendix B**), evidence of historic fill (fragments of brick) was noted from 0-22 ft bgs ft bgs.

From 25 ft bgs down to bedrock (approximately 90 ft bgs) one 2-ft split-spoon was advanced and examined every 5 ft of depth. The 25-27 ft bgs interval showed dark grey sand with an elevated PID reading [17.2 parts per million (ppm)] and a petroleum odor; collection of a discrete sample was not possible due to low recovery (8") and the presence of gravel in the split spoon. As noted on the boring logs (**Appendix B**), evidence of historic fill (fragments of brick or rubber) was noted from 25-42 ft bgs. No visible impacts/staining of soil or elevated PID readings was observed at any of the other intervals/split spoons examined at this location.

Two TCLP composite samples were collected at this boring location, sample names: COMP B-33 (0-70); and COMP B-33 (75-85).

3.4 Boring B-22 (Reach 3 – Rockefeller Park)

Environmental sampling at boring location B-22 included collection of discrete samples at intervals (feet bgs): 0-2; 2-4; 4-6 via hand auger, and 6-8, 8-10, 10-12, and 20-22 ft bgs via split spoons. No visible impacts/staining or elevated PID readings were observed at those intervals.

From 25 ft bgs down to bedrock (approximately 74 ft bgs) one 2-ft split-spoon was advanced and examined every 5 ft of depth. Due to some visible impacts/staining and elevated PID readings observed at intervals between 50 and 65 ft bgs, an additional discrete sample was collected at 59-61 ft bgs, where staining and petroleum odor were noted and the PID reading peaked at 18.8 ppm (see boring log in **Appendix B**).

No TCLP composite sampling was conducted at Boring B-22 because composite sampling was conducted at boring (B-27) located in Reach 3.

3.5 Boring B-27 (Reach 3 – Rockefeller Park)

Environmental sampling at boring location B-27 included collection of discrete samples at intervals: 0-2; 2-4; 4-6 ft bgs via hand auger, and 6-8, 8-10, 10-12, and 20-22 ft bgs via 2-ft split spoons. No visible impacts/staining or elevated PID readings were observed at these intervals.

From 25 ft bgs down to bedrock (approximately 85 ft bgs) one 2-ft split-spoon was advanced and examined every 5 ft of depth. No visible impacts/staining or elevated PID readings were observed at any interval examined.

Two TCLP composite samples were collected at this boring location: COMP B-27 (0-62) and COMP B-27 (65-82).

3.6 Boring B-19 (Reach 4 – Belvedere Plaza)

Environmental sampling at boring location B-19 included collection of discrete samples at intervals: 0-2; 2-4; 4-6 ft bgs via hand auger, and 6-8, 8-10, 10-12, and 20-22 ft bgs via 2-ft split spoons. Grey staining with no odor or elevated PID readings was noted at 8-10 ft bgs. No other visible impacts/staining or elevated PID readings were observed at these intervals.

From 25 ft bgs down to bedrock (approximately 73.5 ft bgs) one 2-ft split-spoon was advanced and examined every 5 ft of depth. Due to the presence of visibly impacted/stained material with a petroleum odor and slightly elevated PID reading (4.1 ppm), one discrete sample was also collected at interval 65-67 ft bgs. No other intervals showed staining or elevated PID readings.

Two TCLP composite samples were collected at this boring location: COMP B-19 (0-35) and COMP B-19 (35-65). On the third day of sampling there was not sufficient material to collect a composite sample from split spoons collected within the range of 65-73.5 ft bgs.

One duplicate sample and one MS/MSD were collected from the 2-4 ft bgs interval.

3.7 Boring B-14 (Reach 5 – North Cove)

Environmental sampling at boring location B-14 included collection of discrete samples at intervals: 0-2; 2-4; 4-6 ft bgs via hand auger. At 6 ft bgs, thick concrete was encountered consistently at three step-out locations to B-14. Further drilling was abandoned at location B-14. No visible impacts/staining or elevated PID readings were observed at the sampled intervals.

3.8 Boring B-9 (Reach 6 – South Esplanade)

Environmental sampling at boring location B-9 included collection of discrete samples at intervals: 0-2; 2-4; 4-6 ft bgs via hand auger, and 6-8 and 8-10 ft bgs via 2-ft split spoons. No discrete samples were collected from intervals 10-12 ft bgs and 20-22 ft bgs due to insufficient recovery. As noted on the boring logs (**Appendix B**), evidence of historic fill (fragments of brick) was noted from 4-8 ft bgs. No visible impacts/staining or elevated PID readings were observed at these intervals.

From 25 ft bgs down to bedrock (approximately 55 ft bgs) one 2-ft split-spoon was advanced and examined every 5 ft of depth. As noted on the boring logs (**Appendix B**), evidence of historic fill (fragments of brick) was noted from 35-37 ft bgs. No visible impacts/staining or elevated PID readings were observed at any interval examined.

Two TCLP composite samples were collected at this boring location: COMP B-9 (0-17) and COMP B-9 (20-55).

One duplicate sample and one MS/MSD were collected from the 2-4 ft bgs interval.

3.9 Boring B-3 (Reach 7 – South Cove)

Environmental sampling at boring location B-3 included collection of discrete samples at intervals: 0-2; 2-4; 4-6 ft bgs via hand auger, and 6-8, 8-10, and 10-12 ft bgs via 2-ft split spoons. No sample was collected at interval 20-22 ft bgs due to the presence of running sands. No visible impacts/staining or elevated PID readings were observed at these intervals.

From 25 ft bgs down to bedrock (approximately 50.5 ft bgs) one 2-ft split-spoon was advanced and examined every 5 ft of depth, except for interval 25-27 ft bgs where no recovery occurred due to the presence of gravel.

Two TCLP composite samples were collected at this boring location: COMP B-3 (0-17) and COMP B-3 (20-55).

One duplicate sample and one MS/MSD were collected from the 2-4 ft bgs interval.

3.10 Boring B-5 (Reach 7 – South Cove)

Environmental sampling at boring location B-5 was conducted in response to staining and petroleum odors observed during the geotechnical sampling between 40-52 ft bgs. After staining and petroleum odors were noted by the geotechnical sampling team, cuttings were set aside on plastic for the environmental sampling team. Two 5-point composite samples from the 40-52 ft bgs interval were collected from the geotechnical boring cuttings. B-5 (40-52) was analyzed for discrete sample parameters (TCL SVOCs, PCBs, and metals) and B-5 was submitted for full TCLP analysis. For TCL VOC analysis, a discrete (grab) sample, B-5 (40-52), was collected where the most staining was present. Because these cuttings may have been exposed to the elements prior to sampling, VOCs detected in this sample should be considered biased low.

4 2023 Groundwater Sampling

In June 2023, groundwater samples were collected from six monitoring wells located within the current proposed alignment of the flood wall for characterization and disposal classification purposes. Samples from each well were submitted for laboratory analysis of TCL VOC, TCL SVOC, total and dissolved metals (including mercury), total suspended solids, and total dissolved solids. PCBs were not analyzed in groundwater due to the limited soil exceedances (one sample) and no groundwater exceedances during the previous investigation. **Table 1** includes a summary of the groundwater samples collected.

4.1 Gauging of Monitoring Wells

Prior to sampling, a synoptic round of groundwater level measurements was collected from the existing monitoring well network. Measurements obtained on June 23, 2023; are included in **Table 2**, below.

Table 2: Groundwater Elevations

Well	Reach	DTB (Ft. Below TOC)	Elevation of Top of Inner Casing (amsl)	DTW (Ft. Below TOC)	Water Elevation 2023 (ft)
B(OW)-26	1	29.12	12.11	13.33	1.22
SB-17	3	19.65	12.45	13.14	-0.69
SB-21	3	17.30	9.81	10.70	-0.89
SB-24	5	15.90	12.39	11.21	1.18
SB-26	7	18.21	12.38	11.84	0.54
SB-29	7	19.80	11.80	10.71	1.09

DTB – Depth to Bottom

DTW – Depth to Water

TOC – Top of Casing

4.2.2 Purging/Data Collection/Sampling

Groundwater sampling was conducted June 23-29, 2023. Purging and sampling was conducted in accordance with methods described in **Appendix A**. At each monitoring well, teflon-coated polyethylene tubing was lowered into the water column to approximately 2 feet from the bottom of the well. Purging was conducted via a peristaltic pump with dedicated interior silicone tubing (replaced at each well) operated from outside the well. Purge water was discharged into a graduated 5-gallon bucket to gauge purge volume. Field parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) were continuously monitored until stabilization was achieved and samples were collected directly into laboratory-provided bottles from the dedicated teflon-coated polyethylene tubing. Groundwater samples were placed on ice and submitted to Eurofins TestAmerica for analysis. Groundwater sampling logs are included in **Appendix C**.

5 2024 Sediment Sampling Methodology

From February 27th to March 2nd 2024, Arcadis collected environmental samples concurrent with the geotechnical borings installed by Associated Environmental Services. Sediment samples were collected from a total of three borings. Three discrete (grab) sediment samples were planned to be collected from the mudline to 12 ft (0-2 ft, 5-7 ft, and 10-12 ft) using 2-ft split-spoon samplers to provide representative characterization samples. Sample intervals were visually characterized, field screened (using a PID) for classification and the potential presence of VOCs, and results were recorded on a boring log (**Appendix B**). Once bedrock was reached, a composite TCLP sample was collected from the total depth interval if sufficient material was available. Split-spoons were decontaminated between each sample interval.

A total of six borings were proposed to provide a representative analysis of the sediment in the study area, these included two borings in Reach 1, one boring in Reach 3, one boring in Reach 4, and two borings in Reach 6, as shown in **Appendix A**. Both borings in Reach 1 (B-51 and B-50) were eliminated from the investigation due to concerns about the proximity of the barge to nearby moorings. The boring proposed in Reach 3 (B-49) was not collected due to the inability of the barge to access this location. The location for B-48 was also moved south to allow for better barge access. Samples were collected from Reach 4 (B-48) and Reach 6 (B-47 and B-46). Discrete samples were submitted for TCL VOC, SVOC, PCB, pesticides, and TAL metals analysis. In addition, one composite sample was collected in Reach 6 [B-46 (0-8)]. The composite sample was submitted for TCLP analyses that included VOCs, SVOCs, pesticides, herbicides, and metals.

Additional details regarding sampling collection methods, quality control sampling, and sample location selection are detailed in **Appendix A**. **Table 1** provides a summary of the sediment samples that were collected and notes any deviations from the Sampling Plan. Sampling locations are shown on **Figure 2**. Sediment boring logs are included in **Appendix B**. Detailed information regarding each boring is included below.

5.1 Boring B-48 (Reach 4 – Belvedere Plaza)

Sediment sampling at boring location B-48 included collection of a discrete sample at the 0-2 ft interval below the mudline interval via 2-ft split spoon. No visible impacts/staining or elevated PID readings were observed at this interval. Weathered bedrock was encountered at approximately 2 ft below mudline, therefore, samples were not able to be collected for the 5-7 ft, and 10-12 ft sample intervals and no TCLP composite samples were collected. Insufficient material was available for duplicate and MS/MSD sample collection.

5.2 Boring B-47 (Reach 6 – South Esplanade)

Sediment sampling at boring location B-47 included collection of discrete samples at the 4.5-6.5, 6.5-8.5, and 9.5-11.3 ft below the mudline intervals via 2-ft split spoons. There was no resistance in the top 4.5 ft; therefore, no discrete samples were collected from 0-4.5 ft below the mudline. No visible impacts/staining or elevated PID readings were observed at these intervals. Bedrock was encountered at approximately 14 ft below the mudline. No TCLP composite samples were collected due to insufficient recovery and the need to share material recovered for geotechnical sampling analysis. Insufficient material was available for duplicate and MS/MSD sample collection.

5.3 Boring B-46 (Reach 6 – South Esplanade)

Sediment sampling at boring location B-46 included collection of discrete samples at the and 2-4 and 4-6 ft below the mudline intervals via 2-ft split spoons. There was no resistance in the top 2 ft; therefore, no discrete samples were collected from 0-2 ft below the mudline. No visible impacts/staining were observed at these intervals. An organic odor was noted from 0 to 7.5 ft below the mudline; however, no elevated PID readings were observed. Weathered bedrock was encountered at approximately 8 ft below the mudline. One TCLP composite sample was collected to represent sediment from 0-8 ft below the mudline. Insufficient material was available for duplicate samples and MS/MSD sample collection.

6 2023 Environmental Sampling Results of Analyses

In order to support environmental site characterization, waste management of excavated soils, sediment, and groundwater disposal at the Site, Arcadis submitted for analysis 54 discrete soil samples, 4 duplicate soil samples, 13 composite soil samples, 6 groundwater samples, 1 duplicate groundwater sample, 6 discrete sediment samples, and 1 composite sediment sample for analysis as detailed on **Table 1**.

As described in Section 1.2, environmental samples were compared to the following applicable standards:

Discrete Soil and Sediment Samples

- RSCOs
- RRSCOs
- PGWSCOs (soil only)
- UUSCOs
- TOGS 5.1.9 Class A Threshold Values (sediment only)

Composite Soil and Sediment Samples

- TCLP 40 CFR Part 261.24

Groundwater

- TOGS 1.1.1 NYS AWQS Class GA criteria

Analytical results were utilized to provide characterization information for future disposal at an off-site facility. TCLP sampling data will be used to determine if the solid waste requires disposal as hazardous material.

Tables 3 through **9** summarize any exceedances of regulatory standards. Soil and sediment sampling logs are included in **Appendix B** and groundwater sampling logs are included in **Appendix C**. Analytical data tables and laboratory reports are included in **Appendix D** and **Appendix E**, respectively.

6.1 Soil Sampling Results

6.1.1 Metals

As detailed in **Table 3**, several metals including lead, nickel, total chromium, silver, arsenic, cadmium, copper, zinc and mercury were detected exceeding their respective PGWSCOs, RSCOs, RRSCOs, and/or UUSCOs. Total chromium was detected in all of the soil samples, with the highest detection (263 mg/kg) found in the sample collected from B-5 in the 40-52 ft bgs interval. SCOs are available for trivalent and hexavalent chromium but not for total chromium. For comparison purposes, both the trivalent and hexavalent SCOs are shown in the table below and in **Appendix D**; however, results are compared to the hexavalent SCOs because they are the more stringent standards.

Many of the exceedances were found in the 40-52 bgs interval of boring B-5 located in Reach 7. The majority of these exceedances were for the UUSCOs, the most restrictive standards. Samples collected from B-22 and B-27 in Reach 3 exceeded PGWSCOs, RRSCOs, RSCOs, and UUSCOs for mercury (B-22) and arsenic (B-22 and B-27). As noted in Section 3, there was evidence of staining in both B-5 and B-22.

Table 3: Metals Exceedances

Reach	Sample ID	Depth (ft bgs)	Analyte	PGWSCO (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
Reach 7	B-3	0-2	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	13.1
		2-4	Lead	450	400	400	63	391 F2
			Nickel	130	310	140	30	99.1
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	27.8
			Copper	1720	270	270	50	73.5
			Mercury	0.73	0.81	0.81	0.18	0.27 B
		4-6	Nickel	130	310	140	30	98.7
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	27.1
			Copper	1720	270	270	50	98.8
		6-8	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	4.8
		8-10	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	4.6
		10-12	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	13.3
		35-37	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	8.9
	B-5	40-52	Lead	450	400	400	63	360
			Nickel	130	310	140	30	46.3
			Silver	8.3	180	36	2	22.4
			Arsenic	16	16	16	13	23.4
			Cadmium	7.5	4.3	2.5	2.5	7.8
			Total Chromium*	1 [30]	22 [36]	110 [180]	19 [NS]	263
			Copper	1720	270	270	50	402
			Zinc	2480	10,000	2200	109	459
			Mercury	0.73	0.81	0.81	0.18	5.7
Reach 6	B-9	0-2	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	7.2
			Mercury	0.73	0.81	0.81	0.18	0.21
		2-4	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	14.7
			Nickel	140	310	140	30	31.6 F1
		4-6	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	18.1
		6-8	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	10.6
			Mercury	0.73	0.81	0.81	0.18	0.21

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Reach	Sample ID	Depth (ft bgs)	Analyte	PGWSCO (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
		8-10	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	15.6
Reach 5	B-14	0-2	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	11.2
		2-4	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	4.3
		4-6	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	4.1
Reach 4	B-19	0-2	Lead	450	400	400	63	90.0
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	20.4
			Copper	1720	270	270	50	76.1
			Zinc	2480	10,000	2200	109	175
		2-4	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	20.4
		4-6	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	8.8
		6-8	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	8.4
		8-10	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	25.9
		10-12	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	26.2
		20-22	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	2.9
			Lead	450	400	400	63	85.5
			Silver	8.3	180	36	2	2.3
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	71.1
			Copper	1720	270	270	50	79.0
			Zinc	2480	10000	2200	109	149
			Mercury	0.73	0.81	0.81	0.18	0.70
Reach 3	B-22	0-2	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	6.5
		2-4	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	5.6
			Zinc	2480	10,000	2200	109	170
		4-6	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	4.7
		6-8	Lead	450	400	400	63	94.3
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	12.9
			Copper	1720	270	270	50	104
			Zinc	2480	10,000	2200	109	1090
		8-10	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	8.5
		10-12	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	6.0

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Reach	Sample ID	Depth (ft bgs)	Analyte	PGWSCO (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
		20-22	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	5.9
		59-61	Lead	450	400	400	63	282
			Nickel	140	310	140	30	40.4
			Silver	8.3	180	36	2	3.6
			Arsenic	16	16	16	13	45.1
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	63.8
			Copper	1720	270	270	50	196
			Zinc	2480	10000	2200	109	334
			Mercury	0.73	0.81	0.81	0.18	15.6
	B-27	0-2	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	4.7
		2-4	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	5.8
		4-6	Arsenic	16	16	16	13	26.9
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	23.0
		6-8	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	8.8
		8-10	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	7.5
		10-12	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	44.6
		20-22	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	5.8
Reach 2	B-33	0-2	Lead	450	400	400	63	109
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	14.2
			Mercury	0.73	0.81	0.81	0.18	0.41
		2-4	Lead	450	400	400	63	117
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	15.7
			Mercury	0.73	0.81	0.81	0.18	0.35
		4-6	Lead	450	400	400	63	102
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	13.0
			Mercury	0.73	0.81	0.81	0.18	0.25
		6-8	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	13.9
		8-10	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	14.7
		10-12	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	15.1
	B-39	0-2	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	28.8

Reach	Sample ID	Depth (ft bgs)	Analyte	PGWSCO (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
Reach 1		2-4	Lead	450	400	400	63	90.2
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	18.5
			Mercury	0.73	0.81	0.81	0.18	0.40
		4-6	Lead	450	400	400	63	82.9
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	20.8
			Mercury	0.73	0.81	0.81	0.18	0.28
	B-39A	10-12	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	11.6
			Mercury	0.73	0.81	0.81	0.18	0.22
		20-22	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	11.6
	B-44	0-2	Lead	450	400	400	63	78.3
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	13.5
		2-4	Lead	450	400	400	63	164
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	15.2
			Mercury	0.73	0.81	0.81	0.18	0.23
		4-6	Lead	450	400	400	63	393 F2
			Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	16.1
			Zinc	2480	10000	2200	109	267
			Mercury	0.73	0.81	0.81	0.18	0.32
		20-22	Total Chromium*	19 [NS]	22 [36]	110 [180]	1 [30]	12.3

Highlighted standard was exceeded in the associated sample or its duplicate. Where a duplicate sample was collected, the higher concentration is shown in the table.

* SCOs are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCOs because they are the more stringent standards. Trivalent-chromium SCOs are shown in brackets.

NS – No Standard

B – Compound was found in the method blank and the sample

F1 – MS and/or MSD recovery exceeds control limits

F2 – MS/MSD relative percent difference exceeds control limits

6.1.2 Pesticides

As detailed in **Table 4**, several pesticides including 4,4-DDT, 4,4-DDD, and 4,4-DDE, were detected exceeding their respective UUSCOs. All of the pesticide exceedances were from relatively shallow soils (0-6 bgs) and the majority of the exceedances were detected in samples from boring B-44 in Reach 1. There were no pesticides detected in exceedance of standards within Reach 2, 3, and 5.

Table 4: Pesticide Exceedances

Reach	Sample ID	Depth (ft bgs)	Analyte	PGWSCO (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
Reach 6	B-9	2-4	4,4-DDT	136	7.9	1.7	0.0033	0.010
			4,4-DDE	17	8.9	1.8	0.0033	0.0042 J
Reach 4	B-19	0-2	4,4-DDE	17	8.9	1.8	0.0033	0.0074
		2-4	4,4-DDE	17	8.9	1.8	0.0033	0.0050 J
Reach 1	B-44	0-2	4,4-DDT	136	7.9	1.7	0.0033	0.075
			4,4-DDD	14	13	2.6	0.0033	0.0052 J
			4,4-DDE	17	8.9	1.8	0.0033	0.039
		2-4	4,4-DDT	136	7.9	1.7	0.0033	0.021
			4,4-DDE	17	8.9	1.8	0.0033	0.013
		4-6	4,4-DDT	136	7.9	1.7	0.0033	0.0076
			4,4-DDE	17	8.9	1.8	0.0033	0.0039 J

Highlighted standard was exceeded in the associated sample or its duplicate. Where a duplicate sample was collected, the higher concentration is shown in the table.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

6.1.3 PCBs

As detailed in **Table 5**, one sample from boring B-5, located in Reach 7, exceeded the UUSCO for total PCBs. There were no PCBs detected in exceedance of standards within Reach 1, 2, 3, 4, 5, and 6.

Table 5: PCB Exceedances

Reach	Sample ID	Depth (ft bgs)	Analyte	PGWSCO (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
Reach 7	B-5	40-52	Total PCBs	3.2	1	1	0.1	0.69

Highlighted standard was exceeded in the associated sample or its duplicate. Where a duplicate sample was collected, the higher concentration is shown in the table.

6.1.4 SVOCs

As detailed in **Table 6**, several SVOCs including 4-methylphenol, indeno(1,2,3-cd)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, benzo(a)pyrene, and benzo(a)anthracene were detected exceeding their respective PGWSCOs, RSCOs, and/or UUSCOs. Visible staining was evident in all samples with exceedances with the exception of those collected from B-39. There were no SVOCs detected in exceedance of standards within Reach 2, 5, and 6.

Table 6: SVOC Exceedances

Reach	Sample ID	Depth (ft bgs)	Analyte	PGWSCO (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
Reach 7	B-5	40-52	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.5	0.75
			Benzo(b)fluoranthene	1.7	1	1	1	1.3
			Chrysene	1	3.9	1	1	1.3
			Benzo(a)pyrene	22	1	1	1	1.2
			Benzo(a)anthracene	1	1	1	1	1.3
Reach 4	B-19	65-67	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.5	0.55
			Chrysene	1	3.9	1	1	1.1
			Benzo(a)pyrene	22	1	1	1	1.1
			Benzo(a)anthracene	1	1	1	1	1.1
Reach 3	B-22	59-61	4-Methylphenol	0.33	100	34	0.33	0.78
			Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.5	1.2
			Benzo(b)fluoranthene	1.7	1	1	1	2.8
			Benzo(k)fluoranthene	1.7	2.8	1	0.8	0.93
			Chrysene	1	3.9	1	1	4.1
			Benzo(a)pyrene	22	1	1	1	3.2
			Benzo(a)anthracene	1	1	1	1	3.7
Reach 1	B-39	2-4	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.5	0.71
			Benzo(b)fluoranthene	1.7	1	1	1	1.7
			Chrysene	1	3.9	1	1	1.3
			Benzo(a)pyrene	22	1	1	1	1.4
			Benzo(a)anthracene	1	1	1	1	1.4
		4-6	Indeno(1,2,3-cd)pyrene	8.2	0.5	0.5	0.5	1.0
			Benzo(b)fluoranthene	1.7	1	1	1	2.3
			Chrysene	1	3.9	1	1	1.5
			Benzo(a)pyrene	22	1	1	1	1.9
			Benzo(a)anthracene	1	1	1	1	1.5

Highlighted standard was exceeded in the associated sample or its duplicate. Where a duplicate sample was collected, the higher concentration is shown in the table.

6.1.5 VOCs

Acetone is the only VOC detected in exceedance of a standard. Acetone was detected exceeding its PGWSCO and UUSCO in Reach 7 [B-3 (4-6), B-3 (8-10), and B-5 (40-52)], Reach 6 [B-9 (0-2) and B-9 (2-4)], and Reach 3 [B-22 (59-61), B-27 (0-2), B-27 (4-6), and B-27 (10-12)] at concentrations ranging from 0.053 mg/kg to 0.18 mg/kg, just above the PGWSCO/UUSCO of 0.05 mg/kg. Acetone was not detected above the RSCO (100 mg/kg) in any of the soil samples. Low levels of acetone (0.01 to 0.1 mg/kg) were also detected in multiple soil samples during the 2021-2022 environmental sampling. Acetone is used as an intermediate in chemical manufacturing and as a solvent in many products, including paints and coatings, cleaning products, personal care products, lubricants, and plastics¹. Low levels of acetone may be present in site soils due to the presence of urban fill. Acetone is also a common laboratory contaminant which can be detected at low levels in soil samples due to laboratory cross-contamination; however, it was not detected in any of the method or field blank samples. Acetone in soil readily leaches into groundwater; however, acetone was not detected in any groundwater samples collected onsite, as noted in Section 5.2.1. There were no VOCs detected in exceedance of standards within Reach 1, 2, 4, and 5.

6.1.6 Waste Classification

None of the composite samples exceed the TLCP standards for herbicides, metals, pesticides, SVOCs, or VOCs. Due to inadequate sample material, some samples were not able to be sampled for herbicides or pesticides as noted on Table 1.

6.2 Groundwater Sampling Results

6.2.1 Groundwater Characterization

As detailed in **Table 7**, several metals including iron, magnesium, manganese, and sodium were detected exceeding the TOGS 1.1.1 NYS AWQS Class GA criteria. There were no SVOCs detected in exceedance of standards. The only VOC detected in exceedance of standards was chloroform in SB-21 at a concentration of 60 micrograms per liter (ug/l), exceeding the NYS AWQS of 7 ug/l.

Table 7: Groundwater Exceedances

Analyte	Analyte	TOGS NYS AWQS (ug/l)	Result (ug/l)
B(OW)-26	Iron (total)	300	1280
	Manganese (total)	300	891
	Sodium (total)	20,000	113,000 B
	Sodium (dissolved)	20,000	122,000 B

¹ <https://www.atsdr.cdc.gov/ToxProfiles/tp21-c5.pdf>

Analyte	Analyte	TOGS NYS AWQS (ug/l)	Result (ug/l)
SB-17	Iron (dissolved)	300	822
	Iron (total)	300	826
	Manganese (dissolved)	300	457
	Manganese (total)	300	440
	Sodium (dissolved)	20,000	152,000 B
	Sodium (total)	20,000	160,000
SB-21	Iron (dissolved)	300	1640
	Chloroform	7	60
SB-24	Iron (dissolved)	300	1150
	Iron (total)	300	1990
	Sodium (dissolved)	20,000	57,200 B
	Sodium (total)	20,000	58,600 B
SB-26	Iron (total)	300	635 J
	Magnesium (dissolved)	35,000	422,000
	Magnesium (total)	35,000	441,000
	Sodium (dissolved)	20,000	3,640,000 B
	Sodium (total)	20,000	3,720,000
SB-29	Iron (total)	300	2250
	Magnesium (dissolved)	35,000	574,000
	Magnesium (total)	35,000	578,000
	Sodium (dissolved)	20,000	4,700,000 B
	Sodium (total)	20,000	4,750,000

Highlighted standard was exceeded in the associated sample or its duplicate. Where a duplicate sample was collected, the higher concentration is shown in the table.

B – Compound was found in the method blank and the sample.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

6.2.2 Groundwater Discharge

If dewatering is required and a sewer discharge permit is pursued, additional analyses would be required as shown in the table below and in **Appendix F**. Additional sampling and testing would be completed during construction by the dewatering subcontractor as part of an application for a dewatering permit. Samples would be required to be taken downstream from pretreatment equipment if such exists, and be representative of the nature of the proposed groundwater discharge. All laboratory analyses would need to be conducted by a New York State Department of Health certified wastewater laboratory for the parameters listed in below.

Table 8: Groundwater Discharge Limits

Parameter	Daily Limit	Units
Non-polar material	50	mg/l
pH	5-12	Standard Units
Temperature	<150	Degrees Fahrenheit
Flash Point	>140	Degrees Fahrenheit
Cadmium	2	mg/l
Chromium (VI)	5	mg/l
Copper	5	mg/l
Lead	2	mg/l
Mercury	0.05	mg/l
Nickel	3	mg/l
Zinc	5	mg/l
Benzene	134	ug/l
methyl-tert-butyl-ether	50	Ug/l
Naphthalene	47	Ug/l
Phenol	--	--
Tetrachloroethylene	20	Ug/l
Toluene	74	Ug/l
1,2,4-trichlorobenzene	--	--
1,1,1-trichloroethane	--	--
Xylenes	74	Ug/l
PCBs (total)	1	Ug/l
Total Suspended Solids	350	Mg/l
Carbonaceous Biochemical Oxygen Demand (CBOD)	--	--
Chloride	--	--
Total Nitrogen	--	--
Total Solids	--	--

6.3 Sediment Sampling Results

6.3.1 Metals

As detailed in **Table 9**, several metals including lead, nickel, silver, arsenic, cadmium, chromium, copper, zinc, and mercury were detected exceeding their respective TOGS, RSCOs, RRSCOs, and/or UUSCOs. As previously stated, sediment results were compared to the TOGS Class A Threshold Values as these are the most stringent. Total chromium was also detected in all of the sediment samples, with the highest detection (187 mg/kg) found in the sample collected from B-47 in the 4.5-6.5 ft interval. SCOs are available for trivalent and hexavalent chromium but not for total chromium. For comparison purposes, both the trivalent and hexavalent SCOs are shown in the table below and in **Appendix D**; however, results are compared to the hexavalent SCOs because they are the more stringent standards.

Exceedances of the SCOs were found in all three boring locations throughout all depths. The majority of these exceedances were for the UUSCOs or TOGS, the most restrictive standards. Several metals (mercury, arsenic, cadmium, and total chromium) were detected above the RRSCOs. All of the sediment samples exceeded the TOGS, RRSCO, RSCO, and UUSCO for mercury at concentrations ranging from 1.3 mg/kg to 8.5 mg/kg. Five out of six of the sediment samples exceeded the TOGS, RRSCO, RSCO, and UUSCO for arsenic at concentrations ranging from 19.6 to 33.1 mg/kg.

Table 9: Sediment Metals Exceedances

Reach	Sample ID	Depth (ft below the mudline)	Analyte	TOGS 5.1.9** (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
Reach 6	B-46	2-4	Lead	33	400	400	63	253
			Silver	NS	180	36	2	5.8
			Arsenic	14	16	16	13	19.7
			Cadmium	1.2	4.3	2.5	2.5	2.1
			Total Chromium*	NS	110 [180]	22 [36]	1 [30]	79.8
			Copper	33	270	270	50	175
			Zinc	NS	10,000	2,200	109	344
			Mercury	0.17	0.81	0.81	0.18	3.3
		4-6	Lead	33	400	400	63	221
			Silver	NS	180	36	2	4.8
			Arsenic	14	16	16	13	30.6
			Cadmium	1.2	4.3	2.5	2.5	1.4
			Total Chromium*	NS	110 [180]	22 [36]	1 [30]	73.0
			Copper	33	270	270	50	180
			Zinc	NS	10,000	2,200	109	306
			Mercury	0.17	0.81	0.81	0.18	8.5
	B-47	4.5-6.5	Lead	33	400	400	63	242
			Nickel	NS	310	140	30	40.3

Reach	Sample ID	Depth (ft below the mudline)	Analyte	TOGS 5.1.9** (mg/kg)	RRSCO (mg/kg)	RSCO (mg/kg)	UUSCO (mg/kg)	Result (mg/kg)
			Silver	NS	180	36	2	10.4
			Arsenic	14	16	16	13	19.6
			Cadmium	1.2	4.3	2.5	2.5	4.5
			Total Chromium*	NS	110 [180]	22 [36]	1 [30]	187
			Copper	33	270	270	50	246
			Zinc	NS	10,000	2,200	109	337
			Mercury	0.17	0.81	0.81	0.18	1.3
		6.5-8.5	Lead	33	400	400	63	216
			Silver	NS	180	36	2	6.4
			Arsenic	14	16	16	13	23.7
			Cadmium	1.2	4.3	2.5	2.5	3.1
			Total Chromium*	NS	110 [180]	22 [36]	1 [30]	107
			Copper	33	270	270	50	168
			Zinc	NS	10,000	2,200	109	291
			Mercury	0.17	0.81	0.81	0.18	4.2
		9.5-11.3	Lead	33	400	400	63	288
			Nickel	NS	310	140	30	37.4
			Silver	NS	180	36	2	8.2
			Arsenic	14	16	16	13	33.1
			Cadmium	1.2	4.3	2.5	2.5	3.5
			Total Chromium*	NS	110 [180]	22 [36]	1 [30]	108
			Copper	33	270	270	50	227
			Zinc	NS	10,000	2,200	109	453
			Mercury	0.17	0.81	0.81	0.18	2.5
Reach 4	B-48	0-2	Lead	33	400	400	63	124
			Nickel	NS	310	140	30	31.3
			Silver	NS	180	36	2	4.3
			Cadmium	1.2	4.3	2.5	2.5	2.2
			Total Chromium*	NS	110 [180]	22 [36]	1 [30]	99.8
			Copper	33	270	270	50	111
			Zinc	NS	10,000	2,200	109	189
			Mercury	0.17	0.81	0.81	0.18	1.9

NS – No Standard

* SCOs are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCOs because they are the more stringent standards. Trivalent-chromium SCOs are shown in brackets.

** Sediment data were compared to the TOGS Class A Threshold Values as they are the most stringent.

6.3.2 Pesticides

No pesticides were detected in any of the sediment samples.

6.3.3 PCBs

No PCBs were detected in any of the sediment samples.

6.3.4 SVOCs

No SVOCs were detected in exceedance of their respective SCOs or TOGS.

6.3.5 VOCs

Acetone is the only VOC detected in exceedance of a standard. Acetone was detected exceeding its UUSCO in Reach 6 (B-46 and B-47) and Reach 4 (B-48) at concentrations ranging from 0.053 mg/kg to 0.10 mg/kg, just above the UUSCO of 0.05 mg/kg. Acetone was not detected above the RSCO (100 mg/kg) in any of the sediment samples. Acetone is a common laboratory contaminant which can be detected at low levels in samples due to laboratory cross-contamination; however, it was not detected in any of the method or field blank samples.

6.3.6 Waste Classification

Insufficient material was available for composite sample collection at borings B-47 and B-48, as noted on **Table 1**. The composite sediment sample collected from boring B-46 did not exceed the TLCP standards for herbicides, metals, pesticides, SVOCs, or VOCs.

6.4 Quality Assurance/Quality Control

All samples arrived at the laboratory in good condition and were properly preserved and on ice. No quality issues were identified that adversely affected the analytical results. 17 trip blanks, five MS/MSD samples (four soil and one groundwater), five duplicate samples (four soil and one groundwater sample) and 19 field blanks were collected as part of the environmental sampling. Insufficient material was available to collect duplicate and MS/MSD sediment samples. VOCs were not detected in any trip blank. Metals, pesticides, PCBs, SVOCs, and VOCs were not detected in the field blanks with the exception of low levels of aluminum (8.5 J ug/l and 16.4 J ug/l), lead (0.30 J ug/l and 0.54 J ug/l), magnesium (24 J ug/l), and sodium (301 J ug/l and 83 J ug/l), calcium (68.0 J ug/l and 110 ug/l), copper (0.96 J ug/l), potassium (65.8 J ug/l and 85.8 J ug/l), zinc (2.9 J ug/l in two samples), and chloromethane (0.46 J, 0.67 J, and 0.40 J). The “J” laboratory qualifiers indicate that the result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value. All associated samples were properly flagged with laboratory qualifiers and all duplicate sampling results were comparable to the parent sample. Analytical results for quality assurance/quality control samples are included in **Appendix D**.

7 Conclusions and Recommendations

7.1 Soil

In general, soils at the site are indicative of urban fill with exceedances of metals, pesticides, SVOCs, and acetone detected above PGWSCOs, RRSCOs, RSCOs, and UUSCOs, in keeping with previous sampling results from 2021-2022. During the 2021-2022 sampling event, soil samples were not collected from all the Reaches in the current alignment of the flood wall. Soil samples collected in 2021 and 2022 were also limited in depth (maximum 13 ft bgs). The anticipated depth of excavation based on the depth of bedrock found during the 2023 investigation is 50.5 to 100 ft, which exceeds the depth of the soil sampling data from 2021 and 2022. Additional soil samples collected as part of this sampling effort provide characterization information for these deeper soils to help determine disposal options and costs.

A summary of soil exceedances of the PGWSCOs, RRSCOs, and RSCOs in each Reach for the 2021/2022 and 2023 sampling is included in **Table 11**. Contamination above residential standards consists primarily of SVOCs and metals in both shallow and deeper soils. Low levels of acetone may be present in site soils due to the presence of urban fill. Acetone is also a common laboratory contaminant which can be detected at low levels in soil samples due to laboratory cross-contamination; however, it was not detected in any of the method or field blank samples. Acetone in soil readily leaches into groundwater; however, acetone was not detected in any groundwater samples collected onsite.

Collectively, soil samples from the 2021/2022 and the 2023 events provide generator knowledge of potential contaminants present for disposal and costing purposes for all Reaches except Reach 2 and Reach 5. In Reach 2, samples greater than 12 ft bgs were not able to be collected where evidence of staining and petroleum odor were present. In Reach 5, samples greater than 6 ft bgs were not able to be collected due to the presence of concrete. Therefore, within Reaches 2 and 5, additional samples may be necessary to characterize these soils. Additional analytical sampling and data may also be required from any of the Reaches during construction to comply with requirements from the receiving facility.

Based on the TCLP analytical results no solid waste from the project area is expected to require disposal as hazardous material.

Table 10: Conclusions and Recommendations

Reach	2021-2022 Shallow Soil Findings (0-13 ft bgs)	2023 Sampling Depth Range	2023 Shallow Soil Findings (0-12 ft bgs)	2023 Deep Soil Findings (Greater than 12 ft bgs)	Conclusions and Recommendations
Reach 1	SVOCs exceeding RSCOs, RRSCOs, and PGWSCOs from 0-5 ft bgs. No sampling below 5 ft bgs.	Discrete Sampling: 0-22 ft bgs Composite TCLP Sampling: 0-82 ft bgs	SVOCs exceeding RSCOs, RRSCOs, and PGWSCOs from 2-6 ft bgs. No exceedances below 6 ft bgs. Evidence of historic fill present up to 12 ft bgs	No exceedances of RSCOs, RRSCOs, or PGWSCOs. Evidence of historic fill present up to-37 ft bgs.	SVOC contamination in shallow soils (0-6 ft bgs) coinciding with observation of historic fill material. No evidence of contamination below 6 feet bgs No additional sampling recommended
Reach 2	No exceedances of RSCOs, RRSCOs, or PGWSCOs from 0-5 ft bgs. No sampling below 5 ft bgs.	Discrete Sampling: 0-12 ft bgs Composite TLCP Sampling: 0-85 ft bgs	No exceedances of RSCOs, RRSCOs, or PGWSCOs. Evidence of historic fill up to 12 ft bgs	No samples collected due insufficient recovery A petroleum odor/sheen 15-17 ft bgs, staining and petroleum odor 25-27 ft bgs, and evidence of historic fill up to 42 ft bgs.	No evidence of contamination in shallow soils 0-12 ft bgs Additional sampling to characterize deeper soils where staining and petroleum odors were present (15-27 ft bgs)

Reach	2021-2022 Shallow Soil Findings (0-13 ft bgs)	2023 Sampling Depth Range	2023 Shallow Soil Findings (0-12 ft bgs)	2023 Deep Soil Findings (Greater than 12 ft bgs)	Conclusions and Recommendations
Reach 3	SVOCs exceeding RSCOs, RRSCOs, and PGWSCOs from 1-3.5 ft bgs.	Discrete Sampling: 0-61 ft bgs Composite TCLP Sampling: 0-82 ft bgs	Metals exceeding PGWSCOs, RRSCOs, and RSCOs from 0-6 ft bgs Acetone exceeding PGWSCO 0-12 ft bgs	Metals and SVOCs exceeding RRSCOs, RSCOs, and PGWSCOs at 59-61 ft bgs Acetone exceeding PGWSCO 59-61 ft bgs Staining and petroleum odor 59-61 ft bgs,	Metals and SVOC contamination evident in both shallow (0-12 ft bgs) and deeper soils (>12 ft bgs) No additional sampling recommended
Reach 4	No samples collected in this Reach.	Discrete Sampling 0-67 ft bgs Composite TCLP Sampling: 0-65 ft bgs	Acetone exceeding PGWSCO 0-4 ft bgs Grey staining with no odor or elevated PID readings at 8-10 ft bgs	SVOCs exceeding RRSCOs, RSCOs, and PGWSCOs at 65-67 ft bgs Staining and petroleum odor 65-67 ft bgs	SVOC contamination evident in deeper soils (> 12 ft bgs) No additional sampling recommended.
Reach 5	No exceedances of RSCOs, RRSCOs, or PGWSCOs from 1-12 ft bgs.	Discrete Sampling: 0-6 ft bgs Composite TCLP Sampling: None collected	No exceedances. No samples collected 6-12 ft bgs due to presence of concrete.	No samples collected due to presence of concrete.	No evidence of contamination in shallow soils (0-6 ft bgs). Additional sampling to characterize deeper soils > 6 ft bgs

Reach	2021-2022 Shallow Soil Findings (0-13 ft bgs)	2023 Sampling Depth Range	2023 Shallow Soil Findings (0-12 ft bgs)	2023 Deep Soil Findings (Greater than 12 ft bgs)	Conclusions and Recommendations
Reach 6	No exceedances of RSCOs, RRSCOs, or PGWSCOs from 8-10 ft bgs.	Discrete Sampling: 0-10 ft bgs Composite TCLP Sampling: 0-55 ft bgs	Acetone exceeding PGWSCO 0-4 ft bgs. Insufficient recovery 10-12 ft bgs Evidence of historic fill up to 8 ft bgs	No discrete samples collected due to insufficient recovery Evidence of historic fill up to 37 ft bgs	No evidence of contamination in shallow soils (0-10 ft bgs) No additional sampling recommended
Reach 7	PCBs exceeding RRSCO from 1-3 ft bgs. SVOCs exceeding RSCOs, RRSCOs, and PGWSCOs from 8-10 ft. bgs. Acetone exceeding PGWSCO from 0-2 ft bgs.	Discrete Sampling: 0-37 ft bgs Composite TCLP Sampling: 0-52 ft bgs	Acetone exceeding PGWSCOs 4-10 ft bgs.	Metals and SVOCs, exceeding RRSCOs, RSCOs, and PGWSCOs at 40-52 ft bgs Acetone exceeding PGWSCO at 40-52 ft bgs Staining and petroleum odors 40-52 ft bgs	PCB and SVOC contamination evident in shallow soils (0-10 ft bgs). Metals and SVOC contamination evident in deeper soil No additional sampling recommended

7.2 Groundwater

Groundwater analytical results indicated that Site groundwater contains metals exceeding the NYS AWQS which is consistent with groundwater present in areas of regional historic fill and is consistent with previous sampling results from 2021/2022. Although the metals detected above their respective NYS AWQS may be indicative of contamination from historic fill they are also naturally occurring in regional native soils. Chloroform was the only VOC detected exceeding the NYS AWQS. During the previous 2021/2022 sampling event, chloroform was detected at concentrations less than the NYS AWQS. As stated in Section 5.2.2, if dewatering is required during construction and a sewer discharge permit is pursued, additional sampling and analyses would be required to determine any treatment that may be needed prior to discharge to comply with the limitations for effluent to sanitary or combined sewers as identified in the NYC Department of Environmental Protection Water Quality Control Application for discharges (see **Appendix F**). Additional sampling and testing would be completed during construction by the dewatering subcontractor as part of an application for a dewatering permit.

7.3 Sediment

Sediment analytical results indicated that Site sediment contains metals exceeding the TOGS, RRSCOs, RSCOs, and/or UUSCOs similar to those detected in Site soils and in similar concentrations. The majority of these exceedances were for the UUSCOs, the most restrictive standards. The only metals in sediment detected above the TOGS, RRSCOs, and/or RSCOs were lead, copper, mercury, arsenic, total chromium, and cadmium. As noted in Section 6.3.1, mercury and arsenic were consistently detected in exceedance of RRSCOs in the sediment samples. Mercury was detected at concentrations up to ten times the RRSCO. TCLP analytical results did not detect hazardous levels of contamination in the sampled sediment.

Low levels of acetone were also detected in sediments. Acetone is a common laboratory contaminant which can be detected at low levels in samples due to laboratory cross-contamination.

Sediment samples from the 2024 event provide a general understanding of potential contaminants present in river sediments. The number of samples able to be collected was limited and sediment samples were only collected from Reach 4 to a depth of 2 ft below the mudline and in Reach 6 to a depth of 11.3 ft below the mudline. Additional analytical sampling and data will be required as part of the Project. As stated in Section 6.3.1, many samples exceeded the TOGS Class A Threshold Values; therefore, the sediment quality would likely be classified as either a Class B (moderate contamination) or Class C (High Contamination); however, additional sampling during construction would be necessary to make this assessment. Due to the limited nature of the sediment samples collected, additional sampling of material removed for pile installation in Reaches 2, 4, 5 and 6 will be completed during construction and prior to disposal. Additional sampling of sediment related to dredging for the bridging structures in Reach 5 is addressed in the Sediment Sampling and Analysis Plan.

Tables

Table 1
Environmental Sample Summary
Battery Park City Authority



						Groundwater Analytes												Soil/Sediment Analytes												
						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TCL VOCs 8260D	TCL BNAs 8270E	TCL Metals (w/s Hg) 6020B	Dissolved TCL Metals (w/s Hg) 6020B (Field Filtered)	Mercury 7470A	Dissolved Mercury 7470A (Field Filtered)	Total Suspended Solids SM 2540D	Solids, Total Dissolved 2540C-2015 (Field Filtered)	TCL VOCs 8260D	TCL SVOCs EPA 8270E	TCL PCBs EPA 8082A	TAL Metals 6020B	TCL Pesticides EPA 8081B		TCLP VOCs 8260D	TCLP SVOCs EPA 8270E	TCLP Metals 6020B	TCLP Pesticides EPA 8081B	TCLP Herbicide EPA 8151A				
Reach	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid)	Comments																								
	Soil																													
Reach 1	B-39 (0-2)	9/5/23	1145	G	S												X	X	X	X	X									
	B-39 (2-4)	9/6/23	0000	G	S												X	X	X	X	X									
	B-39 (4-6)	9/6/23	0015	G	S												X	X	X	X	X									
	B-39 (6-8)																										No Sample Collected due to insufficient recovery			
	B-39 (8-10)																										No Sample Collected due to insufficient recovery			
	B-39A (10-12)	9/6/23	2225	G	S												X	X	X	X	X							Location of boring moved 3 feet due to presence of wood debris		
	B-39A (20-22)	9/6/23	2256	G	S												X	X	X	X	X							Location of boring moved 3 feet due to presence of wood debris		
	B-44 (0-2)	7/25/2023	1145	G	S												X	X	X	X	X									
	B-44 (2-4)	7/25/2023	1200	G	S												X	X	X	X	X									
	DUP-Soil-072523	7/25/2023	1245	G	S												X	X	X	X	X							Duplicate of B-44 (4-6)		
	B-44 (4-6)	7/25/2023	1250	G	S		X										X	X	X	X	X									
	B-44 (6-8)	7/25/2023																										no discrete samples were collected due to insufficient material/recovery (gravel)		
	B-44 (8-10)	7/25/2023																										no discrete samples were collected due to insufficient material/recovery (gravel)		
	B-44 (10-12)	7/25/2023																										no discrete samples were collected due to insufficient material/recovery (gravel)		
	B-44 (20-22)	7/26/2023	730	G	S												X	X	X	X	X									
	COMP B-44 (0-57)	7/26/2023	1500	C	S																		X	X	X	X	X			
	COMP B-44 (60-82)	7/27/2023	1445	C	S																		X	X	X	X	X			
Reach 2	B-33 (0-2)	8/10/2023	0734	G	S												X	X	X	X	X									
	B-33 (2-4)	8/10/2023	0741	G	S												X	X	X	X	X									
	B-33 (4-6)	8/10/2023	0747	G	S												X	X	X	X	X									
	B-33 (6-8)	8/10/2023	0758	G	S												X	X	X	X	X									
	B-33 (8-10)	8/10/2023	0800	G	S												X	X	X	X	X									
	B-33 (10-12)	8/10/2023	0805	G	S												X	X	X	X	X									
	B-33 (20-22)																										No sample due to insufficient recovery			
	COMP B-33 (0-70)	8/10/2023	1240	C	S																		X	X	X	X	X			
	COMP B-33 (75-85)	8/11/2023	0830	C	S																		X	X	X		X	Inadequate material available for TCLP pesticide sample.		

Table 1
Environmental Sample Summary
Battery Park City Authority



						Groundwater Analytes											Soil/Sediment Analytes											
						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TCL VOCs 8260D	TCL BNA s 8270E	TCL Metals (w/s Hg) 6020B	Dissolved TCL Metals (w/s Hg) 6020B (Field Filtered)	Mercury 7470A	Dissolved Mercury 7470A (Field Filtered)	Total Suspended Solids SM 2540D	Solids, Total Dissolved 2540C-2015 (Field Filtered)	TCL VOCs 8260D	TCL SVOCs EPA 8270E	TCL PCBs EPA 8082A	TAL Metals 6020B	TCL Pesticides EPA 8081B		TCLP VOCs 8260D	TCLP SVOCs EPA 8270E	TCLP Metals 6020B	TCLP Pesticides EPA 8081B	TCLP Herbicide EPA 8151A		
Reach	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid)	Comments																						
Reach 3	B-22 (0-2)	7/17/2023	1125	G	S											X	X	X	X	X								
	B-22 (2-4)	7/17/2023	1130	G	S											X	X	X	X	X								
	B-22 (4-6)	7/17/2023	1135	G	S											X	X	X	X	X								
	B-22 (6-8)	7/17/2023	1220	G	S											X	X	X	X	X								
	B-22 (8-10)	7/17/2023	1235	G	S											X	X	X	X	X								
	B-22 (10-12)	7/17/2023	1255	G	S											X	X	X	X	X								
	B-22 (20-22)	7/17/2023	13:15	G	S											X	X	X	X	X								
	B-22 (59-61)	7/18/2023	945	G	S											X	X	X	X	X							Collected due to some visible impacts/staining and elevated PID readings observed at intervals between 50 and 65 ft bgs.	
	B-27 (0-2)	6/27/2023	14:00	G	S											X	X	X	X	X								
	B-27 (2-4)	6/27/2023	14:00	G	S											X	X	X	X	X								
	B-27 (4-6)	6/27/2023	14:00	G	S											X	X	X	X	X								
	B-27 (6-8)	6/28/2023	9:10	G	S											X	X	X	X	X								
	B-27 (8-10)	6/28/2023	9:20	G	S											X	X	X	X	X								
	B-27 (10-12)	6/28/2023	9:30	G	S											X	X	X	X	X								
B-27 (20-22)	6/28/2023	9:50	G	S											X	X	X	X	X									
COMP-B-27 (0-62)	6/28/2023	14:30	C	S																	X	X	X	X	X			
COMP-B-27 (65-82)	6/29/2023	10:55	C	S																	X	X	X	X	X			
Reach 4	B-19 (0-2)	8/14/2023	0900	G	S											X	X	X	X	X								
	B-19 (2-4)	8/14/2023	0910	G	S		X									X	X	X	X	X								
	DUP-Soil-081423	8/14/2023	-	G	S											X	X	X	X	X							Duplicate of B-19 (2-4)	
	B-19 (4-6)	8/14/2023	0930	G	S											X	X	X	X	X								
	B-19 (6-8)	8/14/2023	0950	G	S											X	X	X	X	X								
	B-19 (8-10)	8/14/2023	1015	G	S											X	X	X	X	X								
	B-19 (10-12)	8/14/2023	1115	G	S											X	X	X	X	X								
	B-19 (20-22)	8/14/2023	1300	G	S											X	X	X	X	X								
	B-19 (65-67)	8/14/2023	1005	G	S											X	X	X	X	X							Discrete Sample collected due to staining, sligtly elevated PID, petr. Odor	
	COMP-B-19 (0-35)	8/14/2023	1500	C	S																	X	X	X		X	Inadequate material available for TCLP pesticide sample.	
	COMP-B-19 (35-65)	8/15/2023	1500	C	S																	X	X	X		X	Inadequate material available for TCLP pesticide sample.	

Table 1
Environmental Sample Summary
Battery Park City Authority



						Groundwater Analytes												Soil/Sediment Analytes										
Reach	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TCL VOCs 8260D	TCL BNAs 8270E	TCL Metals (w/s Hg) 6020B	Dissolved TCL Metals (w/s Hg) 6020B (Field Filtered)	Mercury 7470A	Dissolved Mercury 7470A (Field Filtered)	Total Suspended Solids SM 2540D	Solids, Total Dissolved 2540C-2015 (Field Filtered)	TCL VOCs 8260D	TCL SVOCs EPA 8270E	TCL PCBs EPA 8082A	TAL Metals 6020B	TCL Pesticides EPA 8081B		TCLP VOCs 8260D	TCLP SVOCs EPA 8270E	TCLP Metals 6020B	TCLP Pesticides EPA 8081B	TCLP Herbicide EPA 8151A		
Reach	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TCL VOCs 8260D	TCL BNAs 8270E	TCL Metals (w/s Hg) 6020B	Dissolved TCL Metals (w/s Hg) 6020B (Field Filtered)	Mercury 7470A	Dissolved Mercury 7470A (Field Filtered)	Total Suspended Solids SM 2540D	Solids, Total Dissolved 2540C-2015 (Field Filtered)	TCL VOCs 8260D	TCL SVOCs EPA 8270E	TCL PCBs EPA 8082A	TAL Metals 6020B	TCL Pesticides EPA 8081B		TCLP VOCs 8260D	TCLP SVOCs EPA 8270E	TCLP Metals 6020B	TCLP Pesticides EPA 8081B	TCLP Herbicide EPA 8151A	Comments	
Reach 5	B-14 (0-2)	8/9/2023	9:20	G	S											X	X	X	X	X								
	B-14 (2-4)	8/9/2023	9:20	G	S											X	X	X	X	X								
	B-14 (4-6)	8/9/2023	9:20	G	S											X	X	X	X	X								
	B-14 (6-8)																											Concrete encountered at 6' BGS; attempted at 3 locations; Abandoned Boring location.
	B-14 (8-10)																											
	B-14 (10-12)																											
	B-14 (20-22)																											
	COMP-B-14 ()																											
Reach 6	B-9 (0-2)	8/30/2023	1140	G	S											X	X	X	X	X								
	B-9 (2-4)	8/30/2023	1200	G	S		X									X	X	X	X	X								
	DUP-Soil-083023	8/30/2023	1200	G	S											X	X	X	X	X								Duplicate of B-9 (2-4)
	B-9 (4-6)	8/30/2023	1220	G	S											X	X	X	X	X								
	B-9 (6-8)	8/30/2023	1240	G	S											X	X	X	X	X								
	B-9 (8-10)	8/30/2023	1300	G	S											X	X	X	X	X								
	B-9 (10-12)																										No sample due to insufficient recovery	
	B-9 (20-22)																										No sample due to insufficient recovery	
	COMP-B-9 (0-17)	8/30/2023	1450	C	S																	X	X	X	X			Inadequate material available for TCLP herbicide sample.
	COMP-B-9 (20-55)	8/31/2023	1430	C	S																	X	X	X		X		Inadequate material available for TCLP pesticide sample.

Table 1
Environmental Sample Summary
Battery Park City Authority



Reach	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid)	Groundwater Analytes										Soil/Sediment Analytes										Comments
						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TCL VOCs 8260D	TCL BNAs 8270E	TCL Metals (w/s Hg) 6020B	Dissolved TCL Metals (w/s Hg) 6020B (Field Filtered)	Mercury 7470A	Dissolved Mercury 7470A (Field Filtered)	Total Suspended Solids SM 2540D	Solids, Total Dissolved 2540C-2015 (Field Filtered)	TCL VOCs 8260D	TCL SVOCs EPA 8270E	TCL PCBs EPA 8082A	TAL Metals 6020B	TCL Pesticides EPA 8081B	TCLP VOCs 8260D	TCLP SVOCs EPA 8270E	TCLP Metals 6020B	TCLP Pesticides EPA 8081B	TCLP Herbicide EPA 8151A	
Reach 7	B-3 (0-2)	6/27/2023	7:40	G	S											X	X	X	X	X						B-3 samples collected in place of B-4 due to geotechnical schedule
	B-3 (2-4)	6/27/2023	8:20	G	S		X									X	X	X	X	X						
	B-3 (4-6)	6/27/2023	9:45	G	S											X	X	X	X	X						
	DUP-Soil-062723	6/27/2023	-	G	S											X	X	X	X	X						Duplicate of B-3 (2-4)
	B-3 (6-8)	6/27/2023	10:40	G	S											X	X	X	X	X						
	B-3 (8-10)	6/27/2023	10:50	G	S											X	X	X	X	X						
	B-3 (10-12)	6/27/2023	11:05	G	S											X	X	X	X	X						
	B-3 (35-37)	6/28/2023	9:50	G	S											X	X	X	X	X						Sample interval was changed due to poor recovery and material in previous samples.
	COMP-B-3 (0-17)	6/27/2023	14:00	C	S																X	X	X	X	X	
	COMP-B-3 (25-47)	6/28/2023	14:30	C	S																X	X	X	X	X	
	B-5 (40-52)	6/22/2023	13:45	C	S											X	X	X	X							Additional sample due to staining observed during geotechnical sampling
	B-5 (TCLP)	6/22/2023	13:45	C	S																X	X	X	X	X	Additional sample due to staining observed during geotechnical sampling
	B-6																									Not collected due to conflicts with geotechnical schedule and environmental staffing
	Groundwater																									
Reach 1	B(OW)-26	6/29/2023	13:45	G	W	Y		X	X	X	X	X	X	X	X											
Reach 3	SB-17	6/28/2023	1340	G	W	Y		X	X	X	X	X	X	X	X											
Reach 3	SB-21	6/29/2023	12:00	G	W	Y		X	X	X	X	X	X	X	X											
Reach 5	SB-24	6/29/2023	10:15	G	W	Y		X	X	X	X	X	X	X	X											
Reach 7	SB-26	6/23/2023	1345	G	W	Y		X	X	X	X	X	X	X	X											
Reach 7	SB-29	6/26/2023	9:10	G	W	Y	X	X	X	X	X	X	X	X	X											
Reach 7	DUP-GW-062623	6/26/2023	-	G	W	Y		X	X	X	X	X	X	X	X											Duplicate of SB-29

Table 1
Environmental Sample Summary
Battery Park City Authority



						Groundwater Analytes												Soil/Sediment Analytes										
						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TCL VOCs 8260D	TCL BNAs 8270E	TCL Metals (w/s Hg) 6020B	Dissolved TCL Metals (w/s Hg) 6020B (Field Filtered)	Mercury 7470A	Dissolved Mercury 7470A (Field Filtered)	Total Suspended Solids SM 2540D	Solids, Total Dissolved 2540C-2015 (Field Filtered)	TCL VOCs 8260D	TCL SVOCs EPA 8270E	TCL PCBs EPA 8082A	TAL Metals 6020B	TCL Pesticides EPA 8081B		TCLP VOCs 8260D	TCLP SVOCs EPA 8270E	TCLP Metals 6020B	TCLP Pesticides EPA 8081B	TCLP Herbicide EPA 8151A		
Reach	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid)	Comments																						
	Sediment																											
Reach 1	TE-B-50					Boring eliminated due to proximity of the barge to nearby moorings																						
	TE-B-51					Boring eliminated due to proximity of the barge to nearby moorings																						
Reach 3	TE-B-49					Boring eliminated due to access issues with the barge.																						
Reach 4	TE-B-48 (0-2)	3/2/2024	9:30	G	S											X	X	X	X	X								
	TE-B-48 (5-7)																										Not collected, weathered bedrock hit at 2' below mudline	
	TE-B-48 (10-12)																										Not collected, weathered bedrock hit at 2' below mudline	
	TE-B-48 (20-22)																										Not collected, weathered bedrock hit at 2' below mudline	
	TE-B-48 (0-22)																										Not collected, weathered bedrock hit at 2' below mudline and insufficient material available for TCLP.	
Reach 6	TE-B-47 (4.5-6.5)	2/27/2024	8:10	G	S											X	X	X	X	X								
	TE-B-47 (6.5-8.5)	2/27/2024	9:00	G	S											X	X	X	X	X								
	TE-B-47 (9.5-11.3)	2/27/2024	9:30	G	S											X	X	X	X	X								
	TE-B-47 (20-22)																										Not collected, bedrock hit at 14' below mudline	
	TE-B-47 (0-22)																										Not collected. Insufficient material available for TCLP	
	TE-B-46 (2-4)	2/29/2024	10:45	G	S											X	X	X	X	X								
	TE-B-46 (4-6)	2/29/2024	11:10	G	S											X	X	X	X	X								
	TE-B-46 (10-12)																										Not collected, weathered bedrock hit at 8' below mudline	
	TE-B-46 (20-22)																										Not collected, weathered bedrock hit at 8' below mudline	
	TE-B-46 (0-8)	2/29/2024	11:45	C	S																	X	X	X	X	X		

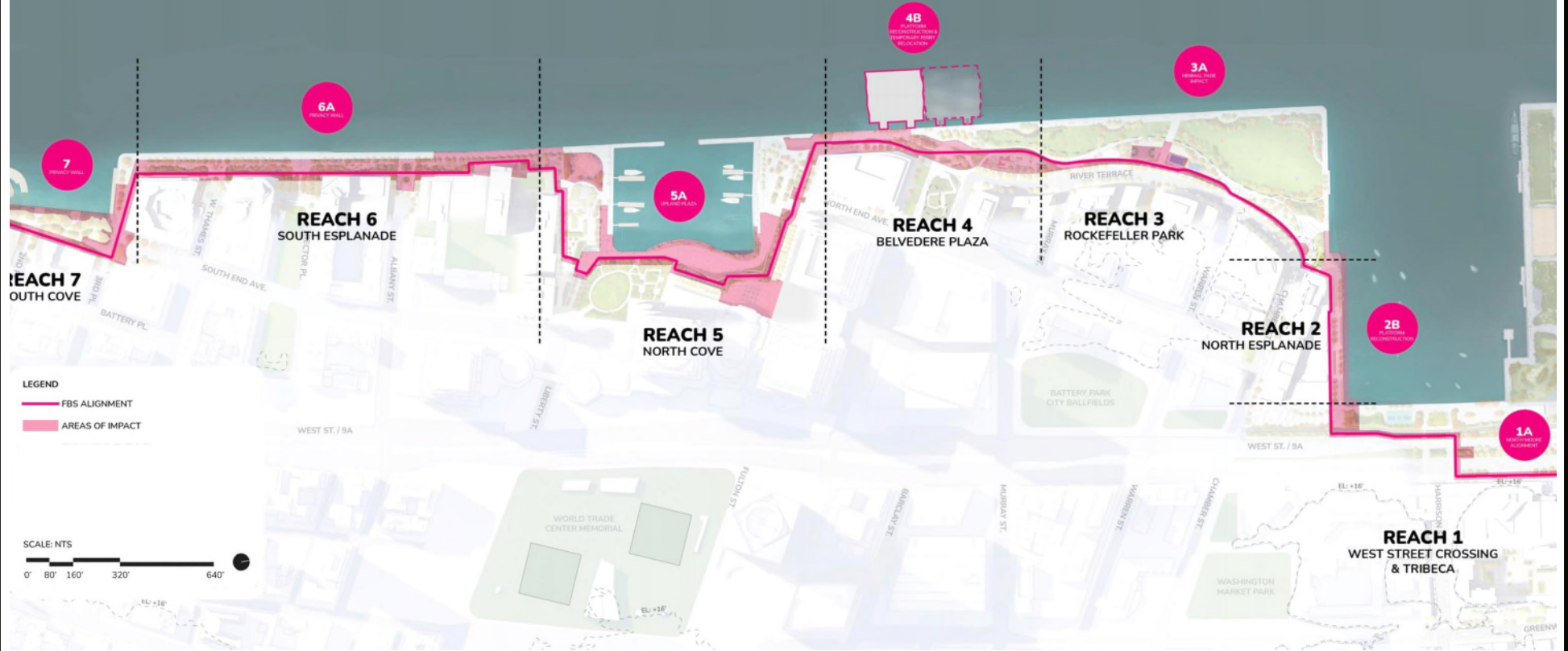
Table 1
Environmental Sample Summary
Battery Park City Authority



Reach	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid)	Groundwater Analytes										Soil/Sediment Analytes										Comments
						Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TCL VOCs 8260D	TCL BNA's 8270E	TCL Metals (w/s Hg) 6020B	Dissolved TCL Metals (w/s Hg) 6020B (Field Filtered)	Mercury 7470A	Dissolved Mercury 7470A (Field Filtered)	Total Suspended Solids SM 2540D	Solids, Total Dissolved 2540C-2015 (Field Filtered)	TCL VOCs 8260D	TCL SVOCs EPA 8270E	TCL PCBs EPA 8082A	TAL Metals 6020B	TCL Pesticides EPA 8081B	TCLP VOCs 8260D	TCLP SVOCs EPA 8270E	TCLP Metals 6020B	TCLP Pesticides EPA 8081B	TCLP Herbicide EPA 8151A	
	Field Blanks																									
	FB-062223	6/22/23	13:45	G	W											X	X	X	X	X						
	FB-062323	6/23/23	14:35	G	W			X	X	X	X	X	X	X	X											
	FB-062623	6/26/23	11:30	G	W			X	X	X	X	X	X	X	X											
	FB-062723	6/27/23	11:05	G	W											X	X	X	X	X						
	FB-062823	6/28/23	1130	G	W											X	X	X	X	X						
	FB-071723	7/17/23	1400	G	W											X	X	X	X	X						
	FB-071823	7/18/23	1400	G	W											X	X	X	X	X						
	FB-072523	7/25/23	1445	G	W											X	X	X	X	X						
	FB-072623	7/26/23	1300	G	W											X	X	X	X	X						
	FB-080923	8/9/23	1300	G	W											X	X	X	X	X						
	FB-081023	8/10/23	1100	G	W											X	X	X	X	X						
	FB-081423	8/14/23	1400	G	W											X	X	X	X	X						
	FB-081623	8/16/23	1320	G	W											X	X	X	X	X						
	FB-083023	8/30/23	1440	G	W											X	X	X	X	X						
	FB-090623	9/6/23	0245	G	W											X	X	X	X	X						
	FB-090623	9/6/23	2340	G	W											X	X	X	X	X						
	FB-022724	2/27/24	1500	G	W											X	X	X	X	X						
	FB-022924	2/29/24	1500	G	W											X	X	X	X	X						
	FB-030224	3/2/24	1100	G	W											X	X	X	X	X						

Figures

Preliminary Preferred Alignment



LONG ISLAND, NEW YORK
NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT
ENVIRONMENTAL INVESTIGATION

SITE PLAN



FIGURE
1

PATH: T:\ENVI\BPCA Geotechnical Investigation\Enviro-Permitting\GIS Data\MXD\Boring Location Map Surveyv3.mxd SAVED: 5/6/2024 BY: MSMiller



Appendix A

Memo

TO

Claudia Filomena
Director of Capital Projects

COPIES TO

Achille Niro, AECOM
Turner EE Cruz, JV
PDB Design Team c/o Arcadis
File

SUBJECT

BPCA Environmental Sampling Plan

FROM

William Barton Jr., Construction Executive
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DATE

June 9, 2023

REVISION No.: 1.2

Introduction

The North/West Battery Park City Resiliency Project (BPCA) includes the creation of an integrated coastal flood risk management system along the Manhattan shoreline with the Hudson River (project area). The flood wall will require excavation to support construction of the foundation wall. A series of 53 geotechnical borings (47 land borings and six (6) water borings) will be advanced along the proposed alignment of the flood wall. Geotechnical samples will be collected from the geotechnical borings. Environmental samples will also be collected concurrently with the geotechnical samples to characterize environmental (soil and groundwater) site conditions and determine potential disposal or reuse options of excavated material. The proposed alignment of the flood wall has been separated into the following seven (7) reaches with respective alignment number, and approximate location as shown on **Attachment 1**:

1. Reach 1 (Alignment 1A) – West Street Crossing/Tribeca
2. Reach 2 (Alignment 2B) – North Esplanade
3. Reach 3 (Alignment 3A) – Rockefeller Park
4. Reach 4 (Alignment 4B) – Belvedere Plaza
5. Reach 5 (Alignment 5A) – North Cove
6. Reach 6 (Alignment 6A) – South Esplanade
7. Reach 7 (Alignment 7A) – South Cove

Regulatory Programs

The list below cites applicable environmental sampling programs and regulations that are pertinent to the project site:

- New York Code Rules and Regulations (NYCRR) 360.13 – Defines special requirements for pre-determined beneficial use of fill material and specifies testing, sampling, and analytical requirements along with acceptable fill uses.
- NYCRR Part 375-6 – Defines the soil cleanup objectives pertinent to the project site [Residential Soil Cleanup Objectives (RRSCOs), Protection of Groundwater Soil Cleanup Objectives (PGWSCOs), and the Unrestricted Use SCOs (UUSCOs)].

- 40 Code of Federal Regulations (CFR) 261.21-261.23 – Defines properties which determine if a solid waste exhibits characteristics of ignitability, reactivity, or corrosivity.
- 40 CFR Part 261.24, Table 1: Environmental Protection Agency's (EPA's) Maximum Concentration of Contaminants for the Toxicity Characteristic – Defines maximum Toxicity Characteristic Leaching Procedure (TCLP) concentrations. If TCLP samples exceed concentrations in 40 CFR Part 261.24, the material must be disposed of as hazardous waste.
- New York Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (NYS AWQS) Class GA criteria – Presents Division of Water ambient water quality standards and guidance values and groundwater effluent limitations. Additional sediment quality parameters and sampling requirements are provided in TOGS 5.1.9 if management of dredged material is necessary.

Previous Sampling (2021-2022)

Matrix New World Engineering, Land Surveying, and Landscape Architecture, P.C. (Matrix) performed a Corridor Environmental Site Assessment (ESA) in July 2021 as part of a due diligence evaluation to characterize soil and groundwater conditions in the project area to ensure proper handling and/or disposal of these materials during construction; and inform the bidding contractor on potential needs for worker health and safety. A subsurface environmental site investigation (ESI) was performed between November 2021 and May 2022 to investigate soil & groundwater conditions, based on the Recognized Environmental Conditions (RECs) identified in the July 2021 Corridor ESA. The ESI included sampling from 30 environmental soil borings and nine (9) groundwater monitoring wells. As shown in **Attachment 2**, 21 of these borings are located within the currently proposed alignment of the flood wall.

Borings were advanced to either 5 feet (ft) or 20 ft below ground surface (bgs) depending on proposed construction details at the time. For the boring locations extending to 5 ft-bgs, one soil sample was collected from the interval 0-2-feet immediately below the surface cover at each boring. For the boring locations extending to 20 ft-bgs, two soil samples were collected. A shallow sample was collected from each boring from the interval 0-2-feet immediately below the surface cover and a second deeper sample was collected from immediately above the water table interface. Samples from the interval with the highest photoionization detector (PID) reading were analyzed for volatile organic compounds (VOCs). One composite sample made up of soil of the entire boring column was collected from each location and analyzed for semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), total metals, cyanide, hexavalent chromium, and general chemistry parameters. Composite samples from boring locations SB-01 through SB-10 were also analyzed for herbicides. During the concurrent geotechnical investigation, obvious signs of contamination including stains and odors associated with creosote-treated wood were observed at boring BH-05A and a tar-like substance at boring BH-08 from 8-10 ft-bgs (locations shown in **Attachment 2**). Therefore, samples were collected from these locations from 8-10 ft bgs and analyzed for VOCs, SVOCs, herbicides, pesticides, PCBs, total metals, and general chemistry parameters. Additional composite soil samples were also analyzed for full TCLP parameters (VOCs, SVOCs, pesticides, herbicides, and metals), ignitability, pH, and reactivity for waste classification. As shown on **Attachment 2**, BH-05A is located within the currently proposed alignment of the flood wall and BH-08 is located outside the current alignment, approximately 120 ft to the east. Details on the individual analyses for each sample within the current flood wall alignment are included in **Attachment 3. Table 1** details the borings collected by Matrix within each of the current reaches along with the maximum sample depth at each location:

Table 1: Matrix Soil Borings Along Current Flood Wall Alignment

Reach No.	Matrix Boring ID	Maximum Sample Depth (ft bgs)
1	SB-01	4
	SB-02	4.5
	SB-03	5
	SB-04	4
	SB-05	5
	SB-06	5
	SB-08	5
	SB-09	5
2	SB-10	5
	SB-12	3
3	SB-17	3.5
	SB-18	13
	SB-21	12
4	No Samples Collected	
5	SB-23	3
	SB-24	12
6	No Samples Collected	
7	SB-25	3
	BH-05A	10
	SB-26	12
	SB-27	3
	SB-28	3
	SB-29	12

Eight (8) permanent monitoring wells were installed, and groundwater samples were collected at the locations of environmental soil borings (SB): SB-13, SB-16, SB-17, SB-20, SB-21, SB-24, SB-26, and SB-29 and one (1) temporary well (TWP-07) was installed in SB-07.

Five (5) of the permanent groundwater monitoring wells from the 2021-2022 environmental investigation are located along the current proposed alignment of the flood wall (SB-17, SB-21, SB-24, SB-26, and SB-29). The groundwater samples were analyzed for VOCs, SVOCs, pesticides, herbicides, PCBs, metals (total and dissolved), total cyanide, and hexavalent chromium.

2021-2022 Soil Results

Soil analytical results indicate that historic fill is present across the project area with elevated VOCs, SVOCs, and PCBs detected above NYCRR Part 375-6 RRSCOs, PGWSCOs, and the UUSCOs, and pesticides and metals above UUSCOs. The concentrations detected were typical of fill soils. Obvious signs of contamination were observed at the location of BH-05A within the current alignment, and at BH-08, located 120 ft east of the alignment. Soil sampled from BH-05A contained naphthalene above its UUSCO, which is consistent with contamination from creosote-treated wood. Soil sampled from BH-08 detected metals exceeding UUSCOs and no exceedances of organic compounds, suggesting the tar-like material was a historical release which naturally degraded over time. Similar impacts were not observed elsewhere in the boring column or in other nearby borings.

Matrix concluded that excavated soil and fill may be used as backfill for the excavation from which it was removed, or in other areas where surrounding soils have similar characteristics. Per NYCRR 360.13 Special Requirements for Pre-Determined Beneficial Use of Fill Material, based on the analytical results, all soils except for those in BH-05A, BH-08, SB-06, SB-08, SB-17 and SB-28 meet the requirements of General Fill and can be beneficially reused off-site in accordance with NYCRR 360.13. Due to elevated SVOC concentrations at borings BH-05A, SB-06, SB-08, and SB-17 and PCB concentrations at SB-28, soils in those areas are not eligible for any of the established beneficial reuse classifications. No samples were detected above the EPA Maximum Concentration of Contaminants for TCLP standards (40CFR Part 261 Table 1). Soils did not exhibit hazardous waste characteristics for ignitability, pH, or reactivity, as compared to the applicable thresholds (e 40 CFR 261.21-261.23).

2021-2022 Groundwater Results

Groundwater sampling results were compared to the TOGS 1.1.1 Ambient Water Quality Standards and NYS AWQS Class GA criteria. Groundwater analytical results indicated that site groundwater contains SVOCs and metals exceeding the TOGS groundwater AWQS, which is consistent with groundwater present in areas of regional historic fill. Groundwater sampled from TWP-07 also detected vinyl chloride at 2.1 ug/l above its TOGS groundwater AWQS of 2.0 ug/l, suggesting contamination may be migrating from an upgradient source.

Sampling Plan (2023)

A review of the 2021-2022 sampling results from the 21 environmental soil borings and five (5) groundwater samples collected in the currently proposed alignment of the flood wall was conducted to determine if additional environmental sampling is needed to support environmental site characterization and waste management of excavated soils and groundwater disposal.

Soil

During the 2021-2022 sampling event, soil samples were not collected from all the Reaches in the current alignment of the flood wall. Soil samples collected in 2021 and 2022 were also limited in depth (maximum 13 ft bgs). The anticipated depth of excavation based on the depth of bedrock from historical geotechnical borings is 43 to 97 ft, which far exceeds the depth of the available soil sampling data from 2021 and 2022. Additional soil samples will be required to establish whether soils in the project area may receive a Beneficial Use Determination (BUD). If a BUD is granted, the fill material ceases to be considered a solid waste and may be reused on-site or as described in NYCRR 360.13. If a BUD is not granted, TCLP soil sampling data will be used to determine if the

solid waste requires disposal as hazardous material. NYCRR 360.13 requires that samples be representative of the fill material and collected at the minimum frequency detailed in **Table 2** based on the estimated fill quantity.

Table 2: Minimum Frequency of Analysis Required for Beneficial Reuse of Fill (Per NYCRR 360.13 Special Requirements for Pre-Determined Beneficial Use of Fill Material)

Fill Material Quantity (cubic yards (CY))	Minimum Number of Analyses for VOCs, if Required ⁽¹⁾	Minimum Number of Analyses for all other parameters ⁽²⁾
0-300	2	1
301-1000	4	2
1001-10,000	6	3
10,001+	Two (2) for every additional 10,000 CY or fraction thereof	One (1) per every additional 10,000 CY or fraction thereof

(1) If VOC presence is possible based on site events such as an historic petroleum spill, odors, PID or other field instrument readings.

(2) Other parameters include metals, PCBs, pesticides, and SVOCs.

Fill may be granted a BUD if it meets the lower of the RSCOs, RRSCOs, and PGWSCOs. It is estimated that approximately 23,400 CY¹ of soil will be generated from excavation along currently proposed alignment of the flood wall based on the concept design documents. This quantity includes 10,000 CY from drilling operations and 13,400 CY from excavation along the currently proposed alignment of the flood wall. The minimum number of samples required by NYCRR 360.13 would be 10 for VOCs and five (5) samples for other parameters (metals, PCBs, pesticides, SVOCs).

As shown in **Table 3**, these minimums noted in **Table 2** have already been met based on the Matrix samples; however, samples as shown in **Table 3** below have not been collected within Reach 4 and Reach 6 and all samples were collected from relatively shallow soil (max depth 13 ft bgs). Therefore, the 2021-2022 soil samples are not representative of deeper soils that will be excavated.

Table 3: Number Soil Samples Collected in 2021-2022

		Number of Soil Samples Collected in 2021-2022				
Reach	Maximum Sample Depth	VOCs	Metals	PCBs	Pesticides	SVOCs
1	5	8	8	8	8	8
2	5	2	2	2	2	2
3	13	5	5	5	5	5
4	0	0	0	0	0	0
5	3	3	3	3	3	3
6	0	0	0	0	0	0
7	12	8	8	8	8	8
TOTAL		26	26	26	26	26

¹ EIS Design Deliverables Item 61 in Submittal No. 2

To obtain more representative samples of soils that will be excavated during construction, it is proposed that environmental samples be collected concurrently with the planned geotechnical borings to supplement samples collected by Matrix. Geotechnical borings will be spaced roughly every 100 to 120 feet of the currently proposed alignment of the flood wall as shown in **Attachment 4. Table 4** details the approximate number of geotechnical land borings that are proposed in each Reach and the estimated depth to bedrock compared to the depth of existing soil samples collected by Matrix:

Table 4: Proposed Geotechnical Land Borings and Estimated Depth of Bedrock

Reach Number	Reach Description	Number of Proposed Geotechnical Land Borings	Estimated Depth of Bedrock (ft bgs)	Maximum 2021-2022 Soil Sample Depth (ft bgs)	Historical Geotechnical Boring used for Bedrock Depth ⁽¹⁾
1	West Street Crossing/Tribeca	14	97	5	B-23
2	North Esplanade				
3	Rockefeller Park	11	85	13	B-20
4	Belvedere Plaza	2	69-75	No Samples Collected	B-14, B-16, B-17
5	North Cove	9	45	12	B-13
6	South Esplanade	5	55-65	No Samples Collected	B-06, B-07, B-08
7	South Cove	6	58	12	B-03

⁽¹⁾Matrix New World Engineering, August 2022. Geotechnical Assessment Report, North/West Battery Park City Resiliency Project.

As stated previously, samples in Reach 1 (SB-06 and SB-08), Reach 3 (SB-17), and Reach 7 (SB-05A) contained elevated levels of SVOCs and a sample from SB-28 in Reach 7 also contained elevated levels of PCBs. It is therefore recommended that additional samples be collected from at least two (2) geotechnical borings in each of the reaches known to be contaminated (Reach 1, Reach 3, and Reach 7) and at least one (1) geotechnical boring in each of the remaining Reaches. **Table 5** details the rationale for the geotechnical boring locations where discrete and composite environmental samples are proposed:

Table 5: Proposed Environmental Soil Sampling Rationale

Reach Number	Geotechnical Borings Proposed for Environmental (Soil) Sampling ⁽¹⁾	Number of Discrete Environmental Soil Samples Proposed ⁽²⁾	Number of Composite Soil Samples Proposed ⁽³⁾	Rationale
1	TE-B-44	7	3	Characterize soil in Reach 1 to evaluate deeper soils that will be excavated during construction
	TE-B-39	7		Characterize soil in vicinity

Reach Number	Geotechnical Borings Proposed for Environmental (Soil) Sampling ⁽¹⁾	Number of Discrete Environmental Soil Samples Proposed ⁽²⁾	Number of Composite Soil Samples Proposed ⁽³⁾	Rationale
				of SB-06 and SB-08
2	TE-B-33	7	3	Characterize soil in Reach 2 to evaluate deeper soils that will be excavated during construction
3	TE-B-22	7		Characterize soil in Reach 3 to evaluate deeper soils that will be excavated during construction
	TE-B-27	7	3	Characterize soil in vicinity of SB-17
4	TE-B-19	7	3	Characterize soil in Reach 4 to evaluate deeper soils that will be excavated during construction
5	TE-B-14	7	3	Characterize soil in Reach 5 to evaluate deeper soils that will be excavated during construction
6	TE-B-8	7	3	Characterize soil in Reach 6 to evaluate deeper soils that will be excavated during construction
7	TE-B-4	7	3	Characterize soil in vicinity of SB-28
	TE-B-6	7		Characterize soil in vicinity of BH-05A
TOTAL		70	21	

(1) Locations shown on Attachment 4

(2) Discrete soil samples will be analyzed for VOCs, metals, PCBs, pesticides, and SVOCs. Additional details provided in Attachment 5.

(3) Composite soil samples will be analyzed for TCLP VOCs, SVOCs, herbicides, pesticides, and metals.

Discrete soil samples will be collected from each geotechnical boring using two-foot-long split-spoon samplers continuously from the ground surface to a depth of 12 ft-bgs to collect representative characterization samples. An Arcadis geologist will visually characterize and field screen (using a PID) each sample for soil classification and the potential presence of VOCs and record the results on a soil boring log. If there is any indication of contamination (visual evidence of staining, olfactory indications of contamination, or elevated PID readings) at the 10-12 ft bgs interval, additional samples will be collected at 2-ft intervals until these indications of contamination are not present. Once a depth is reached with no indication of contamination, the boring will be advanced an additional 10 ft and one additional sample will be collected to provide representative characterization data for

deeper soils that will be excavated during construction. Split-spoons will be decontaminated between each sample interval. Arcadis will collect and submit one (1) soil sample from each drilling interval in clean laboratory provided glassware for laboratory analysis for an anticipated total of approximately 70 soil samples plus quality assurance/quality control (QA/QC) samples. QA/QC samples will also be collected and analyzed for appropriate parameters as outlined below:

- One matrix spike/matrix spike duplicate (MS/MSD) pair sample will be analyzed with each batch or at a frequency of one in 20 samples, whichever is more frequent.
- One blind duplicate sample will be analyzed with each batch or at a frequency of one in 20 samples, whichever is more frequent.
- One trip blank will be submitted with each sample shipment.
- One field blank will be collected each day during a sampling event.

In addition, within each Reach, one five-point composite sample will be collected each day until bedrock is reached and analyzed for TCLP VOCs, SVOCs, pesticides, herbicides, and metals. The recommended borings for composite sampling to achieve a reasonable distribution across the site are noted in **Table 5**. Intervals for composite sampling will be determined based on capturing any areas of observed contamination and changes in soil/fill type. Based on the geotechnical boring schedule and the estimated depth to bedrock, we expect to collect three composite samples at each of the seven boring locations. These TCLP samples will provide the necessary characterization for waste classification if a BUD is not able to be secured; however, additional waste classification sampling may be required based on the acceptance criteria of the disposal facility. The number of samples and analyses proposed for each Reach are detailed in **Attachment 5**. Arcadis will provide a Field Representative who is experienced in the collection of environmental samples to oversee installation of the borings. Arcadis Field Representative would also be qualified to serve as the Site Health and Safety Officer.

Groundwater and Sediment

Five (5) of the permanent groundwater monitoring wells from the 2021-2022 environmental investigation are located along the current proposed alignment of the flood wall. None of these five wells are located within Reach 1; however, monitoring well B(OW)-26 which was installed as part of the 2021/2022 Matrix geotechnical investigation, will be utilized. B(OW)-26 is located within Reach 1 along N. Moore Street as shown in **Attachment 2**. It is recommended that one (1) round of groundwater samples (plus QA/QC samples) be collected from these monitoring wells for characterization and disposal classification.

It is anticipated that during platform reconstruction, sediment will be removed from within the piles that will require disposal. No sediment samples were collected during the 2021-2022 sampling; therefore, it is also recommended that sediment samples be collected from the six (6) proposed geotechnical water borings for characterization and disposal classification. Sediment sample results will be evaluated in comparison to the sediment quality thresholds described in TOGS 5.1.9. Every 5 ft, a two-foot-long split spoon sample will be collected. Three discrete sediment samples will be collected from mudline to 12 ft (0-2 ft, 5-7 ft, and 10-12 ft) to collect representative characterization samples. An Arcadis geologist will visually characterize and field screen (using a PID) each sample for classification and the potential presence of VOCs and record the results on a boring log. If there is any indication of contamination (visual evidence of staining, olfactory indications of contamination, or elevated PID readings) noted at the 10-12 ft bgs interval, additional samples will be collected every 5 ft until these indications of contamination are not present. Once a depth is reached with no indication of contamination, the boring will be advanced an additional 10 ft and one additional sample will be collected to provide representative characterization data for deeper sediment that will be excavated during construction. Split-spoons will be decontaminated between each sample interval. Additional details regarding the sediment sampling plan are

provided in **Attachment 6**. The sampling locations and number of discrete and composite environmental samples associated with each reach are included in **Table 6**. Locations of the monitoring wells are shown on **Attachment 2** and locations of the geotechnical water borings are shown on **Attachment 4**.

Table 6: Proposed Groundwater and Sediment Sampling Locations

Reach Number	Existing Monitoring Well Location	Geotechnical Borings Proposed for Environmental (Groundwater and Sediment) Sampling	Number of Environmental Groundwater Samples Proposed	Number of Discrete Environmental Sediment Samples Proposed ⁽¹⁾	Number of Composite Sediment Samples Proposed ⁽²⁾
1	B(OW)-26		1		
2		TE-B-50		4	1
		TE-B-51		4	1
3	SB-17	TE-B-49	1	4	1
	SB-21		1		
4		TE-B-48		4	1
5	SB-24		1		
6		TE-B-46		4	1
		TE-B-47		4	1
7	SB-26		1		
	SB-29		1		
TOTAL			6	24	6

(1) Discrete sediment samples will be analyzed for VOCs, metals, PCBs, pesticides, and SVOCs. Additional details provided in Attachment 6.

(2) Composite sediment samples will be analyzed for TCLP VOCs, SVOCs, herbicides, pesticides, and metals.

Groundwater samples will be collected via low-flow sampling methods. Prior to sampling, a synoptic round of groundwater level measurements will be collected from the existing monitoring well network. Field parameters will be collected during low-flow purging until stabilization is achieved. Once parameters have stabilized, groundwater samples will be collected for laboratory analysis. During the 2021-2022 groundwater sampling, various SVOC compounds, metals, and vinyl chloride were detected exceeding NYS AWQS. Therefore, it is recommended that groundwater samples be analyzed for VOCs, SVOCs, PCBs, total and dissolved metals, and total suspended solids. For characterization purposes, discrete sediment samples will be analyzed for VOCs, metals, PCBs, pesticides, and SVOCs. In addition, one five-point composite sediment sample will be collected from each water boring from mudline to the maximum depth of the discrete samples (approximately 22 feet) and analyzed for TCLP VOCs, SVOCs, pesticides, herbicides, and metals. Intervals for composite sampling will be determined based on capturing any areas of observed contamination and changes in sediment type. These TCLP samples will provide the necessary characterization for waste classification; however, additional waste classification sampling may be required based on the acceptance criteria of the disposal facility. QA/QC samples will also be collected and analyzed for appropriate parameters as outlined below:

BPCA Environmental Sampling Plan
June 2023

- One MS/MSD pair sample will be analyzed with each batch or at a frequency of one in 20 samples, whichever is more frequent.
- One blind duplicate sample will be analyzed with each batch or at a frequency of one in 20 samples, whichever is more frequent.
- One trip blank will be submitted with each sample shipment.
- One field blank will be collected each day during a sampling event.

Version Control

Document Dated	Version No.	Revision No.	Date Issued	Description	Reviewed By
2/8/2023	0	0	2/13/2023	Issued to Turner EE Cruz for review	Turner EE Cruz (G. Ortega, R. Friedrich)
3/15/2023	0	1	3/21/2023	Re-issued to Turner EE Cruz for review	Turner EE Cruz (O. Gorbunova)
3/15/2023	1	0	3/24/2023	Submit via Procore to BPCA.	Arcadis (R. Gilmour, K. Do)
4/19/2023	1	1	5/9/2023	Submit via Procore to BPCA. This submittal is a revision to the 3/24/23 submittal, addressing BPCA/AECOM's comments.	Arcadis (R. Gilmour)
6/9/2023	1	2	6/12/2023	Submit via Procore to BPCA. This submittal is a revision to the May 9, 2023 submittal. Additional comments received from AECOM from May 22, 2023 have been addressed as noted in the comment register. If there are no additional comments on the open items on the comment register, please mark these items as "Closed". The following items have been addressed: 1. Composite soil sampling intervals have been modified to ensure that sample collection will coincide with the geotechnical schedule, composite samples can be collected on the same day that the soil is extracted, and all expected fill material will be sampled. Within each Reach, one composite sample will be collected each day until bedrock is reached (approximately 3 composite samples per Reach). 2. Water samples from the geotechnical water borings have been eliminated. Groundwater samples from existing monitoring wells will be relied upon for characterization. 3. Sediments from the geotechnical water borings will be collected every five feet; therefore, the environmental sample intervals have been modified to coincide with the geotechnical samples. 4. Composite sediment sampling	Arcadis (R. Gilmour)

BPCA Environmental Sampling Plan
June 2023

Document Dated	Version No.	Revision No.	Date Issued	Description	Reviewed By
				intervals have been limited to the depth of the discrete sampling (approximately 22 ft below the mudline). Because fill is not expected in the sediments, we feel this is a sufficient depth for disposal characterization and will allow the composite sample to be collected on the same day that the sediment is extracted.	

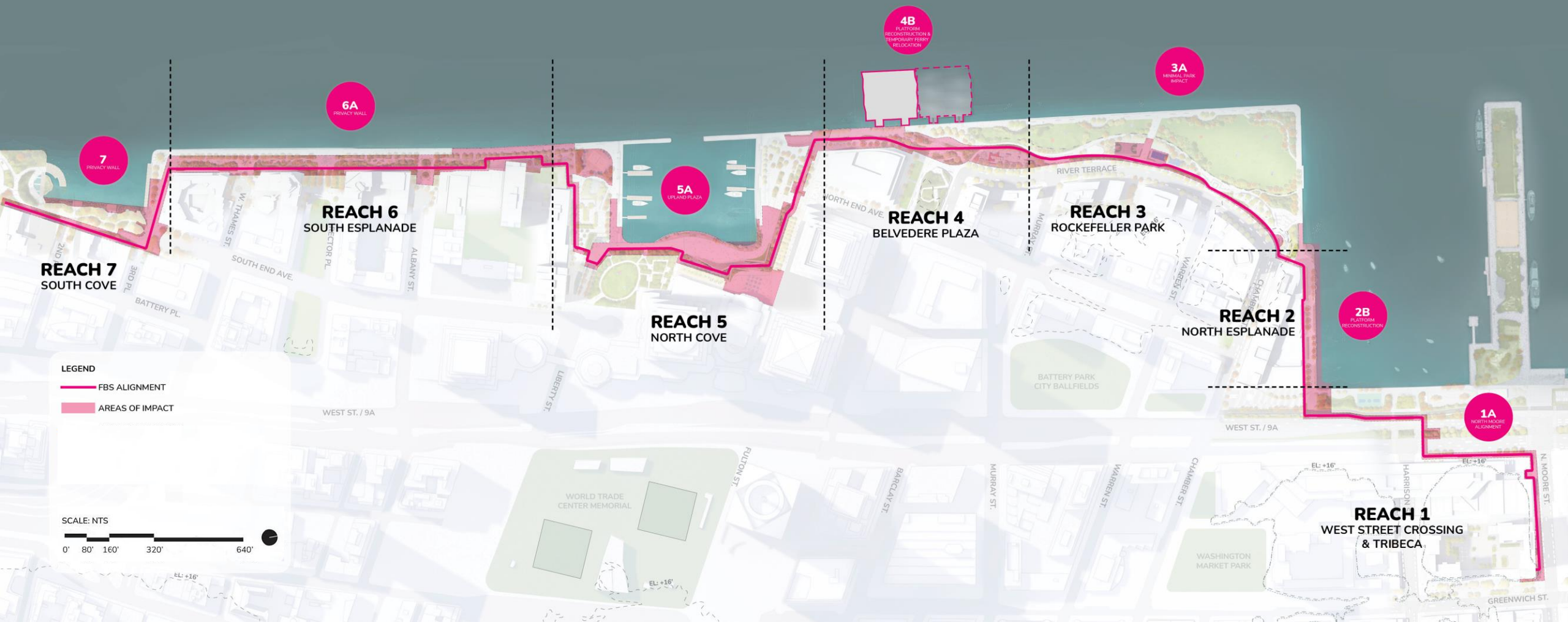
Note:

- 1) All = Turner EE Cruz, Arcadis and its subconsultants (SCAPE/BIG/WSP, etc.)
- 2) Arcadis team = Arcadis and its subconsultants (SCAPE/BIG/WSP, etc.)

Attachment 1

Flood Wall Alignment

Preliminary Preferred Alignment



Attachment 2

Matrix Sampling Locations



Legend

— North Alignment*

— West Alignment*

Approximate Extents of Existing Platform

Environmental Boring Samples

● Completed Soil

● Completed Soil & Groundwater

Geotechnical Boring Samples

● Soil

● Soil & Groundwater

○ Sample Evaluated as part of 2023 Environmental Sampling Plan

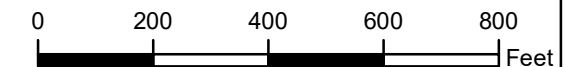
Notes:

1. Displayed geotechnical borings are limited to those from which Matrix has proposed to collect environmental samples.

2. Environmental samples were collected from geotechnical borings where soil with evidence of contamination was encountered within proposed construction depth.

3. Locations and names of geotechnical borings were provided by AECOM.

4. Platform area layout is approximated based on historical drawings and design estimates provided by AECOM.



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ENVIRONMENTAL SAMPLES PART 1 OF 2

NORTH/WEST BPC RESILIENCY PROJECT
BATTERY PARK CITY AUTHORITY
NEW YORK, NY

July 2022

Figure 2A





Legend

— North Alignment*

— West Alignment*

Approximate Extents of Existing Platform

Environmental Boring Samples

● Completed Soil

● Completed Soil & Groundwater

Geotechnical Boring Samples

● Soil

● Soil & Groundwater

○ Sample Evaluated as part of 2023

Environmental Sampling Plan

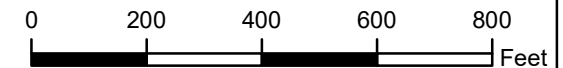
Notes:

1. Displayed geotechnical borings are limited to those from which Matrix has proposed to collect environmental samples.

2. Environmental samples were collected from geotechnical borings where soil with evidence of contamination was encountered within proposed construction depth.

3. Locations and names of geotechnical borings were provided by AECOM.

4. Platform area layout is approximated based on historical drawings and design estimates provided by AECOM.



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ENVIRONMENTAL SAMPLES PART 2 OF 2

NORTH/WEST BPC RESILIENCY PROJECT
BATTERY PARK CITY AUTHORITY
NEW YORK, NY

July 2022

Figure 2B

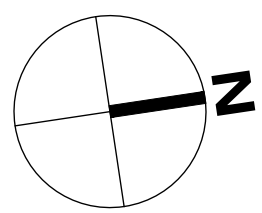
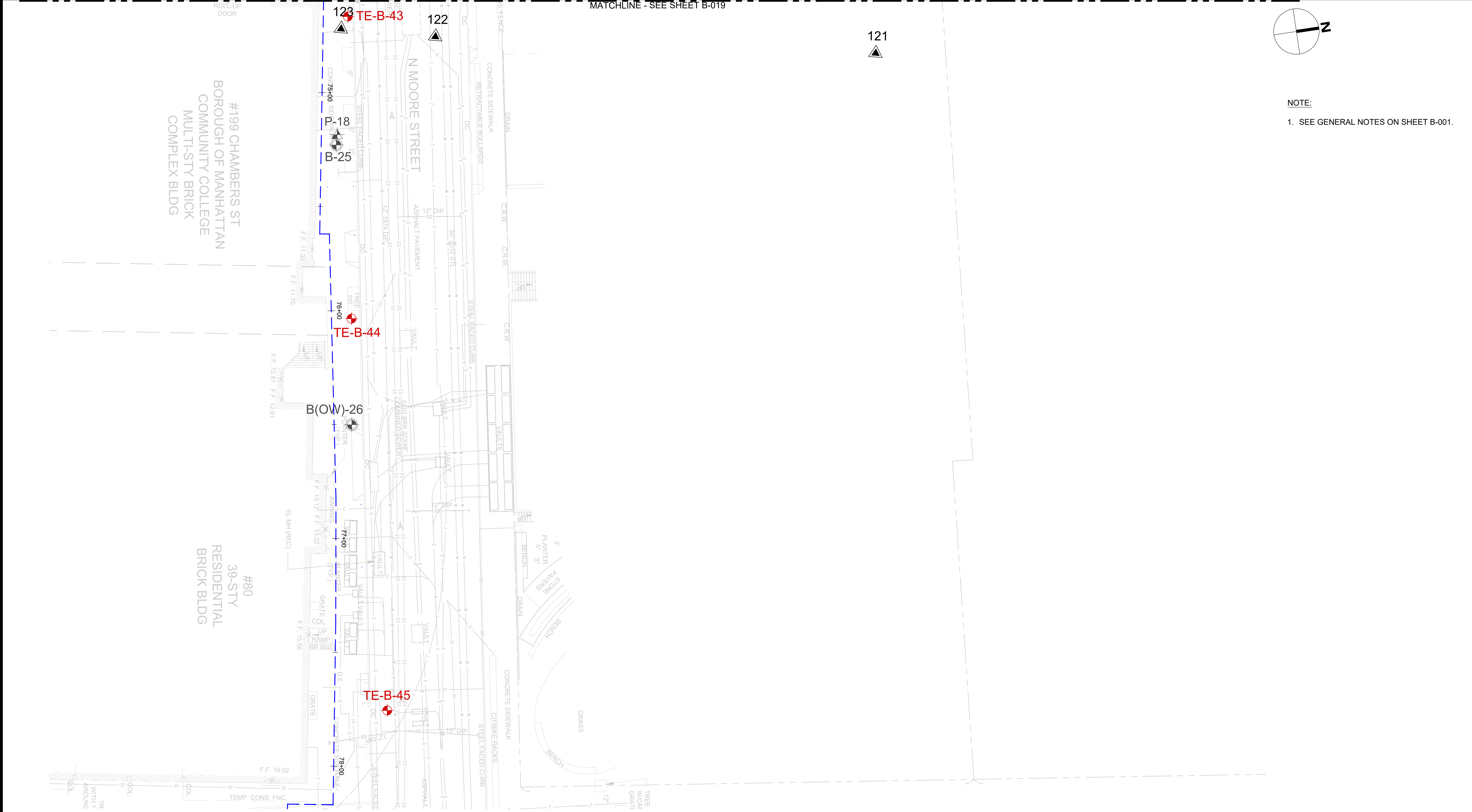
Belvedere Plaza and
North Cove

BPC Esplanade
Mid-Section

South Cove

*Alignment shown is from the 2022 Matrix ESI
Report. Please refer to Attachment 1 for the
current alignment.

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



NOTE:
1. SEE GENERAL NOTES ON SHEET B-001.

SYMBOL LEGEND

PROPOSED FLOOD BARRIER SYSTEM ALIGNMENT (PRELIMINARY)

PROPOSED PHASE 1 LAND BORING (N/W BPC RESILIENCY PROJECT)

PROPOSED PHASE 1 WATER BORING (N/W BPC RESILIENCY PROJECT)

RFP-PHASE BPCA BORING (N/W BPC RESILIENCY PROJECT, 2021-2022)

RFP-PHASE BPCA PERMEABILITY TEST (N/W BPC RESILIENCY PROJECT, 2021-2022)

HISTORICAL BORING, CONTRACT BPCA-70-1, 1971

EXISTING BORING (SOUTH BPC RESILIENCY PROJECT, 2019)

HISTORICAL BORING, BROOKFIELD PLACE/NORTH COVE MARINA, 1981

HISTORICAL BORING, I-518 WEST SIDE HIGHWAY, 1980

HISTORICAL BORING, RETRIEVED FROM NYCDOB RECORDS

HISTORICAL BORING, NORTH MEADOW SEAWALL RESTORATION, 1996

HISTORICAL BORING, NYC POLICE MEMORIAL, 1972-1973

HISTORICAL BORING, SOUTH COVE PLAZA, 50 BATTERY PLACE, 1998

HISTORICAL ROCK DATA MAP LOGS, MANHATTAN BOROUGH PRESIDENT, 1937

HISTORICAL BORING, STUYVESANT HIGH SCHOOL, MUESER RUTLEDGE, 1988

HISTORICAL BORING, WEST SIDE HIGHWAY PROJECT, MUESER RUTLEDGE, 1980

BORING LOCATION PLAN

GRAPHIC SCALE: 1" = 20'-0"

20'

10'

0

10'

20'

40'

60'

**1 Penn Plaza, 4th Fl.
New York, NY 10119**

**NORTH/WEST BATTERY PARK CITY
RESILIENCY PROJECT**

**BORING LOCATION PLAN
SHEET 20 OF 20**

SCALE: AS SHOWN	DATE: 11/18/2022	SHEET : B-020
DRAWN BY: J.M.	CHECKED BY: E.Z.	

GROUNDWATER MONITORING WELL CONSTRUCTION DIAGRAM

Project Name/Number:
BPCA CONSULTING ENGINEER 20-1152

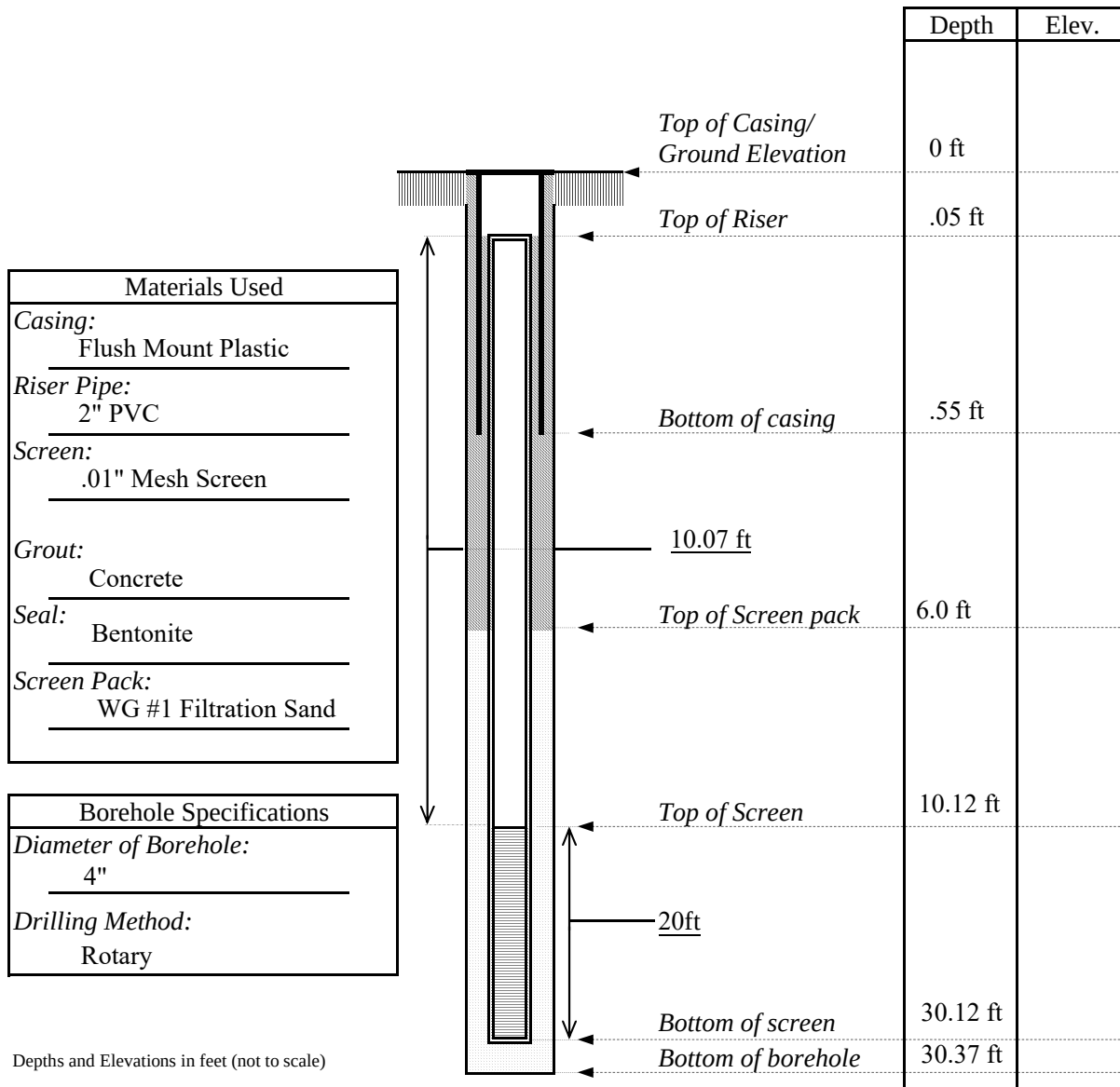
GM well Number:
B(OW)-26

Date of Completion:
April 7, 2022

Inspector:
D. Alia

Surveyed Top of Riser Elevation:

Datum:



Notes: 3" Plug at the bottom of PVC

Attachment 3

**Matrix Environmental Samples Along Current Flood Wall
Alignment**

Attachment 3
Matrix Environmental Samples Along Current Flood Wall Alignment

Reach No.	Reach ID	Reach Alignment	Matrix Env Sample Loc	Matrix Env Sample ID	Matrix Sample Media	Start Depth	End Depth	VOC	SVOC	Herbicides	Pesticides	PCBs	Total Metals	Dissolved Metals	General Chemistry	TCLP VOC	TCLP SVOC	TCLP Herbicides & Pesticides	TCLP Metals	Ignitability
1	West St. Crossing/Tribeca	1A	SB-01	SB-01(0-2)	Soil	0	2	X							X					
1	West St. Crossing/Tribeca	1A	SB-01	COMP SB-01(0-4)	Soil	0	4		X	X	X	X	X		X					
1	West St. Crossing/Tribeca	1A	SB-01	COMP (SB-01)	Soil										X				X	X
1	West St. Crossing/Tribeca	1A	SB-02	SB-02(0-2)	Soil	0	2	X							X					
1	West St. Crossing/Tribeca	1A	SB-02	COMP SB-02(0-4.5)	Soil	0	4.5		X	X	X	X	X		X					
1	West St. Crossing/Tribeca	1A	SB-02	COMP (SB-02, SB-03)	Soil										X				X	X
1	West St. Crossing/Tribeca	1A	SB-03	SB-03(0-2)	Soil	0	2	X							X					
1	West St. Crossing/Tribeca	1A	SB-03	COMP SB-03(0-5)	Soil	0	5		X	X	X	X	X		X					
1	West St. Crossing/Tribeca	1A	SB-04	SB-04(0-2)	Soil	0	2	X							X					
1	West St. Crossing/Tribeca	1A	SB-04	COMP SB-04(0-4)	Soil	0	4		X	X	X	X	X		X					
1	West St. Crossing/Tribeca	1A	SB-04	COMP (SB-04, SB-05)	Soil										X				X	X
1	West St. Crossing/Tribeca	1A	SB-05	SB-05(0-2)	Soil	0	2	X												
1	West St. Crossing/Tribeca	1A	SB-05	COMP SB-05(0-5)	Soil	0	5		X	X	X	X	X		X					
1	West St. Crossing/Tribeca	1A	SB-06	SB-06(0-2)	Soil	0	2	X												
1	West St. Crossing/Tribeca	1A	SB-06	COMP SB-06(0-5)	Soil	0	5		X	X	X	X	X		X					
1	West St. Crossing/Tribeca	1A	SB-06	COMP (SB-06, SB-07)	Soil										X				X	X
1	West St. Crossing/Tribeca	1A	SB-08	SB-08(0-2)	Soil	0	2	X												
1	West St. Crossing/Tribeca	1A	SB-08	COMP SB-08(0-5)	Soil	0	5		X	X	X	X	X		X					
1	West St. Crossing/Tribeca	1A	SB-08	COMP (SB-08)	Soil	0	5								X				X	X
1	West St. Crossing/Tribeca	1A	SB-09	SB-09(0-2)	Soil	0	2	X												
1	West St. Crossing/Tribeca	1A	SB-09	COMP SB-09(0-5)	Soil	0	5		X	X	X	X	X		X					
1	West St. Crossing/Tribeca	1A	SB-09	COMP (SB-09, SB-10)	Soil										X				X	X
2	North Esplanade	2B	SB-10	SB-10(0-2)	Soil	0	2	X												
2	North Esplanade	2B	SB-10	COMP SB-10(0-5)	Soil	0	5		X	X	X	X	X		X					
2	North Esplanade	2B	SB-12	SB12 (1-3)	Soil	1	3	X	X		X	X	X		X					
2	North Esplanade	2B	SB-12	COMP #8 (15,12)	Soil										X	X	X	X	X	X
3	Rockefeller Park	3A	SB-17	SB17 (1-3.5)	Soil	1	3.5	X	X		X	X	X		X					
3	Rockefeller Park	3A	SB-17	COMP #6 (13,14,17)	Soil										X	X	X	X	X	X
3	Rockefeller Park	3A	SB-18	SB18 (1-4)	Soil	1	4	X	X		X	X	X		X					
3	Rockefeller Park	3A	SB-18	SB18 (11-13)	Soil	11	13	X	X		X	X	X		X					
3	Rockefeller Park	3A	SB-18	COMP #4 (19,18)	Soil										X	X	X	X	X	X
3	Rockefeller Park	3A	SB-21	SB21 (1-3)	Soil	1	3	X	X		X	X	X		X					
3	Rockefeller Park	3A	SB-21	SB21 (10-12)	Soil	10	12	X	X		X	X	X		X					
3	Rockefeller Park	3A	SB-17	SB17	Groundwater-MW			X	X	X	X	X	X	X	X					
3	Rockefeller Park	3A	SB-21	SB-21	Groundwater-MW			X	X	X	X	X	X	X	X					
4	Belvedere Plaza	4B																		
5	North Cove	5A	SB-23	SB23 (1-3)	Soil	1	3	X	X		X	X	X		X					
5	North Cove	5A	SB-23	COMP #3 (24,23)	Soil										X	X	X	X	X	X
5	North Cove	5A	SB-24	SB24 (1-4)	Soil	1	4	X	X		X	X	X		X					
5	North Cove	5A	SB-24	SB24 (10-12)	Soil	10	12	X	X		X	X	X		X					
5	North Cove	5A	SB-24	SB-24	Groundwater-MW			X	X	X	X	X	X	X	X					
6	South Esplanade	6A																		
6*	South Esplanade	6A	BH-08	BH-08 (8-10)	Soil	8	10	X	X		X	X	X		X					
7	South Cove	7A	SB-25	SB25 (1-3)	Soil	1	3	X	X		X	X	X		X					
7	South Cove	7A	SB-25	COMP #2 (27,26,25)	Soil										X	X	X	X	X	X
7	South Cove	7A	BH-05A	SB-05A(8-10)	Soil	8	10	X	X	X	X	X	X		X					
7	South Cove	7A	BH-05A	COMP SB-05A	Soil										X	X	X	X	X	X
7	South Cove	7A	SB-26	SB26 (1-3)	Soil	1	3	X	X		X	X	X		X					
7	South Cove	7A	SB-26	SB26 (10-12)	Soil	10	12	X	X		X	X	X		X					
7	South Cove	7A	SB-27	SB27 (1-3)	Soil	1	3	X	X		X	X	X		X					
7	South Cove	7A	SB-28	SB28 (1-3)	Soil	1	3	X	X		X	X	X		X					
7	South Cove	7A	SB-28	COMP #1 (30,29,28)	Soil										X	X	X	X	X	X
7	South Cove	7A	SB-29	SB29 (1-3)	Soil	1	3	X	X		X	X	X		X					
7	South Cove	7A	SB-29	SB29 (10-12)	Soil	10	12	X	X		X	X	X		X					
7	South Cove	7A	SB-26	SB-26	Groundwater-MW			X	X	X	X	X	X	X	X					
7	South Cove	7A	SB-29	SB-29	Groundwater-MW			X	X	X	X	X	X	X	X					

1. Exceedance - for soil exceeds Residential Soil Cleanup Objectives (RSCOs), Restricted Residential Soil Cleanup Objectives (RRSCOs), or Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) or for groundwater exceeds New York Technical and Operational Guidance Series

*BH-08 is located approximately 120 ft east of the current alignment.

Attachment 3
Matrix Environmental Samples Along Current Flood Wall Alignment

Reach No.	Reach ID	Reach Alignment	Matrix Env Sample Loc	Matrix Env Sample ID	Matrix Sample Media	VOC Exceedance ¹	SVOC Exceedance ¹	Herbicide Exceedance	Pesticide Exceedance ¹	PCB Exceedance ¹	Metals Exceedance ¹
1	West St. Crossing/Tribeca	1A	SB-01	SB-01(0-2)	Soil						
1	West St. Crossing/Tribeca	1A	SB-01	COMP SB-01(0-4)	Soil						
1	West St. Crossing/Tribeca	1A	SB-01	COMP (SB-01)	Soil						
1	West St. Crossing/Tribeca	1A	SB-02	SB-02(0-2)	Soil						
1	West St. Crossing/Tribeca	1A	SB-02	COMP SB-02(0-4.5)	Soil						
1	West St. Crossing/Tribeca	1A	SB-02	COMP (SB-02, SB-03)	Soil						
1	West St. Crossing/Tribeca	1A	SB-03	SB-03(0-2)	Soil						
1	West St. Crossing/Tribeca	1A	SB-03	COMP SB-03(0-5)	Soil						
1	West St. Crossing/Tribeca	1A	SB-04	SB-04(0-2)	Soil						
1	West St. Crossing/Tribeca	1A	SB-04	COMP SB-04(0-4)	Soil						
1	West St. Crossing/Tribeca	1A	SB-04	COMP (SB-04, SB-05)	Soil						
1	West St. Crossing/Tribeca	1A	SB-05	SB-05(0-2)	Soil						
1	West St. Crossing/Tribeca	1A	SB-05	COMP SB-05(0-5)	Soil						
1	West St. Crossing/Tribeca	1A	SB-06	SB-06(0-2)	Soil						
1	West St. Crossing/Tribeca	1A	SB-06	COMP SB-06(0-5)	Soil		X				
1	West St. Crossing/Tribeca	1A	SB-06	COMP (SB-06, SB-07)	Soil						
1	West St. Crossing/Tribeca	1A	SB-08	SB-08(0-2)	Soil						
1	West St. Crossing/Tribeca	1A	SB-08	COMP SB-08(0-5)	Soil						
1	West St. Crossing/Tribeca	1A	SB-08	COMP (SB-08)	Soil		X				
1	West St. Crossing/Tribeca	1A	SB-09	SB-09(0-2)	Soil						
1	West St. Crossing/Tribeca	1A	SB-09	COMP SB-09(0-5)	Soil						
1	West St. Crossing/Tribeca	1A	SB-09	COMP (SB-09, SB-10)	Soil						
2	North Esplanade	2B	SB-10	SB-10(0-2)	Soil						
2	North Esplanade	2B	SB-10	COMP SB-10(0-5)	Soil						
2	North Esplanade	2B	SB-12	SB12 (1-3)	Soil						
2	North Esplanade	2B	SB-12	COMP #8 (15,12)	Soil						
3	Rockefeller Park	3A	SB-17	SB17 (1-3.5)	Soil		X				
3	Rockefeller Park	3A	SB-17	COMP #6 (13,14,17)	Soil						
3	Rockefeller Park	3A	SB-18	SB18 (1-4)	Soil						
3	Rockefeller Park	3A	SB-18	SB18 (11-13)	Soil						
3	Rockefeller Park	3A	SB-18	COMP #4 (19,18)	Soil						
3	Rockefeller Park	3A	SB-21	SB21 (1-3)	Soil						
3	Rockefeller Park	3A	SB-21	SB21 (10-12)	Soil						
3	Rockefeller Park	3A	SB-17	SB17	Groundwater-MW		X				X
3	Rockefeller Park	3A	SB-21	SB-21	Groundwater-MW						X
4	Belvedere Plaza	4B									
5	North Cove	5A	SB-23	SB23 (1-3)	Soil						
5	North Cove	5A	SB-23	COMP #3 (24,23)	Soil						
5	North Cove	5A	SB-24	SB24 (1-4)	Soil						
5	North Cove	5A	SB-24	SB24 (10-12)	Soil						
5	North Cove	5A	SB-24	SB-24	Groundwater-MW						X
6	South Esplanade	6A									
6*	South Esplanade	6A	BH-08	BH-08 (8-10)	Soil						X
7	South Cove	7A	SB-25	SB25 (1-3)	Soil						
7	South Cove	7A	SB-25	COMP #2 (27,26,25)	Soil						
7	South Cove	7A	BH-05A	SB-05A(8-10)	Soil	X	X				
7	South Cove	7A	BH-05A	COMP SB-05A	Soil						
7	South Cove	7A	SB-26	SB26 (1-3)	Soil						
7	South Cove	7A	SB-26	SB26 (10-12)	Soil						
7	South Cove	7A	SB-27	SB27 (1-3)	Soil						
7	South Cove	7A	SB-28	SB28 (1-3)	Soil					X	
7	South Cove	7A	SB-28	COMP #1 (30,29,28)	Soil						
7	South Cove	7A	SB-29	SB29 (1-3)	Soil						
7	South Cove	7A	SB-29	SB29 (10-12)	Soil						
7	South Cove	7A	SB-26	SB-26	Groundwater-MW		X				X
7	South Cove	7A	SB-29	SB-29	Groundwater-MW		X				X

1. Exceedance - for soil exceeds Residential Soil Cleanup Objectives (RSCOs), Restricted Residential Soil Cleanup Objectives (RRSCOs), or Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) or for groundwater exceeds New York Technical and Operational Guidance Series

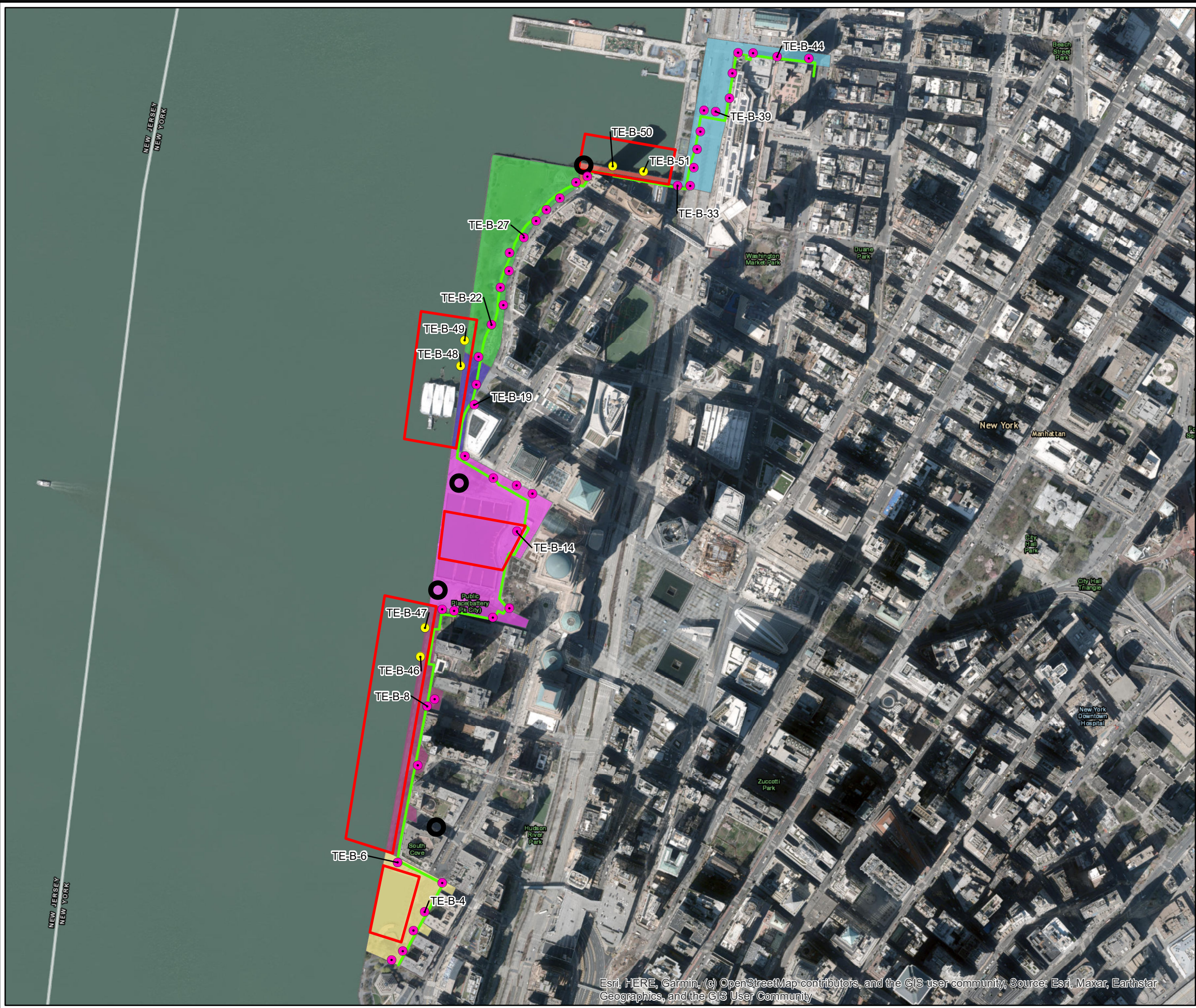
*BH-08 is located approximately 120 ft east of the current alignment.

Attachment 4

Geotechnical Location Map

DRAFT

PATH: T:\ENV\BPCA Geotechnical Investigation Enviro-Permitting\GIS Data\MXD\Boring Location Map.mxd SAVED: 2/8/2023 BY: MSMiller



LEGEND

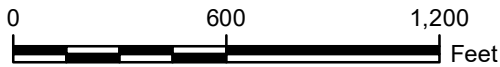
- Draft Water Geotechnical Boring Locations
- Draft Land Geotechnical Boring Locations
- Staging Area
- Potential Area For Water Borings
- Alignment

REACHES

- 1
- 2
- 3
- 4
- 5
- 6
- 7

NOTES

1. Draft boring locations subject to change based on utility survey and other considerations.
2. (TE-B-#) Geotechnical Boring Location Proposed for Environmental Sampling



GRAPHIC SCALE

Long Island, New York
North/West Battery Park City Resiliency Project
Geotechnical Investigation

BORING LOCATION MAP



Attachment 5

**Summary of Matrix Samples Collected Along Current Flood Wall
Alignment and Proposed Soil Samples**

Attachment 5
Summary of Matrix Samples Collected Along Current Flood Wall Alignment and Proposed Soil Samples

			Matrix Soil Samples Collected Along Current Flood Wall Alignment														
Reach No.	Reach ID	Reach Alignment	Depth Min (ft bgs)	Depth Max (ft bgs)	Soil VOC	Soil SVOC	Soil Herbicide	Soil Pesticide	Soil PCB	Soil Total Metals	Dissolved Metals	Soil General Chemistry	TCLP VOC	TCLP SVOC	TCLP Herbicide and Pesticides	TCLP Metals	Ignitability
1	West St. Crossing/Tribeca	1A	0	5	8	8	8	8	8	8	0	18	0	0	0	6	6
2	North Esplanade	2B	0	5	2	2	1	2	2	2	0	3	1	1	1	1	1
3	Rockefeller Park	3A	1	13	5	5	0	5	5	5	0	7	2	2	2	2	2
4	Belvedere Plaza	4B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	North Cove	5A	1	12	3	3	0	3	3	3	0	4	1	1	1	1	1
6*	South Esplanade	6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	South Cove	7A	1	12	8	8	1	8	8	8	0	11	3	3	3	3	3
TOTAL					26	26	10	26	26	26	0	43	7	7	7	13	13

1. Number of discrete sample intervals calculated for 2-ft sample intervals from ground surface to 12 ft bgs and then one sample 20-22 ft bgs.

2. Within each Reach, one five-point composite sample will be collected each day until bedrock is reached. It is anticipated that up to 3 composite samples will be collected from each Reach.

*One soil sample for VOCs, SVOCs, Herbicides, Pesticides, PCBs, and Total Metals from location BH-08 was collected approximately 120 ft east of Reach 6.

PCB - polychlorinated biphenyls

SVOC - semi-volatile organic compound

TCLP - toxicity characteristic leaching procedure

VOC - volatile organic compound

Attachment 5
Summary of Matrix Samples Collected Along Current Flood Wall Alignment and Proposed Soil Samples

					Proposed Soil Samples			
Reach No.	Reach ID	Reach Alignment	Historical Geotech Bedrock Depth (ft)	No. Geotech Sample Intervals ¹	No. Proposed Borings	Proposed Boring Locations	Discrete Sample (VOCs, SVOCs, Metals, PCBs, and Pesticides)	Composite Samples (TCLP VOC, SVOC, Herbicides, Pesticides, Metals ²⁾
1	West St. Crossing/Tribeca	1A	97	7	2	TE-B-44	7	3
						TE-B-39	7	
2	North Esplanade	2B	97	7	1	TE-B-33	7	3
3	Rockefeller Park	3A	85	7	2	TE-B-22	7	
						TE-B-27	7	3
4	Belvedere Plaza	4B	75	7	1	TE-B-19	7	3
5	North Cove	5A	45	7	1	TE-B-14	7	3
6*	South Esplanade	6A	65	7	1	TE-B-8	7	3
7	South Cove	7A	58	7	2	TE-B-4	7	3
						TE-B-6	7	
							70	21

1. Number of discrete sample intervals calculated for 2-ft sample intervals from ground surface to 12 ft bgs and then one sample 20-22 ft bgs.

2. Within each Reach, one five-point composite sample will be collected each day until bedrock is reached. It is anticipated that up to 3 composite samples will be collected from each Reach.

*One soil sample for VOCs, SVOCs, Herbicides, Pesticides, PCBs, and Total Metals from location BH-08 was collected approximately 120 ft east of Reach 6.

PCB - polychlorinated biphenyls

SVOC - semi-volatile organic compound

TCLP - toxicity characteristic leaching procedure

VOC - volatile organic compound

Attachment 6

Proposed Sediment Samples

Attachment 6
Proposed Sediment Samples

					Proposed Sediment Samples			
Reach No.	Reach ID	Reach Alignment	Historical Geotech Boring Depth (ft)	No. Geotech Sample Intervals ¹	No. Proposed Borings	Proposed Boring Locations	Discrete Samples (VOCs, SVOCs, Metals, PCBs, Pesticides)	Composite Samples (TCLP VOC, SVOC, Herbicides, Pesticides, Metals)
1	West St. Crossing/Tribeca	1A	97	4	0		0	0
2	North Esplanade	2B	97	4	2	TE-B-50	4	1
						TE-B-51	4	1
3	Rockefeller Park	3A	85	4	1	TE-B-49	4	1
4	Belvedere Plaza	4B	75	4	1	TE-B-48	4	1
5	North Cove	5A	45	4	0		0	0
6	South Esplanade	6A	65	4	2	TE-B-46	4	1
						TE-B-47	4	1
7	South Cove	7A	58	4	0		0	0
							24	6

1. Three samples will be collected from mudline to 12 ft (0-2, 5-7, and 10-12) and then one sample 20-22 ft at each water boring.

2. One five-point composite sample will be collected from each boring from mudline to the maximum depth of discrete samples collected (approximately 22 ft).

PCB - polychlorinated biphenyls

SVOC - semi-volatile organic compound

TCLP - toxicity characteristic leaching procedure

VOC - volatile organic compound

Appendix B

pr 2/2

ARCADIS Design & Consultancy
for natural and built assets
Sample/Core Log (Cont.d)

Boring/Well B-3

Page 2 of 4

Prepared by C. Goldsmith

Sample/Core Depth

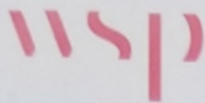
(feet below land surface) Core

		Recovery Interval		Sample/Core Description	PID (PPM)	Blows per 6"			
From	To	(inches)	(feet)						
25	27	5		Gravel, F-GS, Angular, trace silty sand wet, Gray - NO sample collect because of Gravel	0.0 0.0				
30	32	10"	30-31	Gravel F-GS Angular, wet, Gray	0.0				
			31-32	SAND, F-GS, trace silt, well graded, wet, brown - TCLP sample only	0.0				
35	37	12		SAND, F-med, trace silt, well sorted wet, brown	0.0				
40	42	8		SAND, F-GS, trace silt, well sorted wet, brown	0.0 0.0				
45	47	6"		SAND, F-med, trace silt, trace Gravel Coarse, round, wet, brown	0.0 0.0				
50	52	4"	50-50.5	SAND, F-GS, Rocky sorted, wet, DK brown - Rock at top - Non enough vol for sample	50 0.0				

6/27/23 → comp B-3 (0-17); 1400 hrs

6/28/23

1430 comp-B-3 (35-47)



BORING LOG

BORING NUMBER: TE-B-5

SHEET NUMBER: 4 of

PROJECT NUMBER: 30902294

PROJECT: Battery Park Resiliency

LOCATION: Third Place

CLIENT: BPCA

Rig
Model # B-45 HD
Serial # 2011 020
TARE: 14360

CONTRACTOR: Vibranalysis

DRILLER: Cyril

INSPECTOR: M. Couture

DEPTH (feet)	GRAPHIC LOG	CASING (Blows/ft) CORING (Min./ft)	SAMPLE		SOIL (Blows/6 in.)					FIELD CLASSIFICATION AND REMARKS	
			TYPE	NUMBER	SYMBOL	DEPTH (feet)	0/6	6/12	12/18		
							CORING				
							RUN (in.)	REC. (in.)	REC. %	L>4" (in.)	RQD %
			S 9		40'-42'	2	2	2	2	19"	S-9A: 40.0'-40.7' dark brown m. SAND, little Silt; loose; moist; (SP/Fill) likely core-in material S-9B: 40.7'-42.0' black CLAY, little Silt, trace Sand; soft/loose; smell & stains of petroleum (CL)
			S 10		45'-47'	1*				24"	S-10: black CLAY, little Silt; medium stiff; strong petroleum smell & stain (CL)
			S 11		50'-52'	1		1	1	24"	*note: spoon dropped into hole & sank through run depth S-11B: black CLAY, trace Silt; trace Sand; medium stiff; organic matter (plant material) & mica flakes; moist; strong petroleum smell & stain (CL)
										50.8'-52.0'	→
										50.0'-50.8'	↳ S-11A: black CLAY, trace Silt, little Sand; loose; wet; petroleum present smell & stain (CL)
											note: rig chattering at 52'
											spoon refusal at 52.5'

ARCADIS Sample/Core Log (ENVIRONMENTAL)

Boring/Well B-9 Project/No. BPCA Page 1 of 2

Site END OF ALBANY ST. Drilling 8/30/23 Drilling 8/31/23
Location END OF ALBANY ST. Started 8/30/23 Completed 8/31/23

Total Depth Drilled _____ Feet Hole Diameter _____ inches
Length and Diameter of Coring Device 2 foot / 2 inch Type of Sample/ Coring Device Split Spoon

Land-Surface Elev. _____ feet ☒ Surveyed ☐ Estimated Datum Ground Surface

Drilling Fluid Used Water / Mud Drilling Method MUD ROTARY

Drilling Contractor VIBRANALYSIS Driller C. FARLEY Helper _____

Prepared By C. Goldsmith D. FOSTER Weight pneumatic Drop _____ ins.

Sample/Core Depth (feet below land surface) Core

		Recovery Interval		Sample/Core Description	PID (PPM)	Blows per 6"			DISCARD SAMPLE COLLECTED
From	To	(inches)	(feet)						
0'	2'	N/A		TOP 2" PAVEMENT	N/A	CORE SAW			
				2.5" ASPHALT					
				7" CEMENT					
				12.5" SAND fine; br; g. fr. gr.	0.0	HAND AUGER			✓
2'	4'			SAME AS ABOVE	0.0				✓
4'	6'			" " w/ some brick fragments	0.0				✓
6'	8'	8"		" "	0.0	MUD ROTARY			✓
8'	10'	17"		SAND; red/br; c-f; gr; w/ silt; moist; tight	0.0				✓
10'	12'	5"		" "	0.0				NOT ENOUGH
15'	17'	9"		" "	0.0				NOT ENOUGH
20'	22'	2"		SAND; BL/gr; c-f; gr; tr silt; wet loose	0.3				
25'	37'	8"		" "	0.0				
30'	32'	12"		SAND; br; c-f; some gr; wet, loose	4.3				

Sample/Core Log (Cont.d)

Boring/Well

B-9

Page

2 of 2

Prepared by

D. FOSTER

Sample/Core Depth

(feet below land surface)	Core
0	100
10	100
20	100
30	100
40	100
50	100
60	100
70	100
80	100
90	100
100	100
110	100
120	100
130	100
140	100
150	100
160	100
170	100
180	100
190	100
200	100
210	100
220	100
230	100
240	100
250	100
260	100
270	100
280	100
290	100
300	100
310	100
320	100
330	100
340	100
350	100
360	100
370	100
380	100
390	100
400	100
410	100
420	100
430	100
440	100
450	100
460	100
470	100
480	100
490	100
500	100
510	100
520	100
530	100
540	100
550	100
560	100
570	100
580	100
590	100
600	100
610	100
620	100
630	100
640	100
650	100
660	100
670	100
680	100
690	100
700	100
710	100
720	100
730	100
740	100
750	100
760	100
770	100
780	100
790	100
800	100
810	100
820	100
830	100
840	100
850	100
860	100
870	100
880	100
890	100
900	100
910	100
920	100
930	100
940	100
950	100
960	100
970	100
980	100
990	100
1000	100

Recovery Interval

PID

From	To	(inches)	(feet)	Sample/Core Description	(PPM)	Blows per 6"
35'	37'	7"		SAND; bl/br; c-f; gr.; tr clay, tr silt brick frags; wet	0.2	
40'	42'	9"		TOP 5.5": SAND; BL; c-f; gr; some silt BOT 7.5": SAND; Br; some silt, wet	0.0 0.0	
45'	47'	7"		TOP 20" SAND; br; m-f; sm gr; wet BOT 4" SAND; bl; c-f; gr; wet	0.4 0.0	
50'	52'	6"		SAND: br; c-f, some silt; wet	4.5	
55'	-	-		- BED ROCK -	-	

Boring/Well B-14 Project/No. BPCA Page 1 of 1

Site	NORTH COVE	Drilling	8/9/23	Drilling	8/9/23
Location	BATTERY PARK CITY	Started		Completed	

Total Depth Drilled	Feet	Hole Diameter	6	inches	Type of Sample/ Coring Device	Split Spoon
---------------------	------	---------------	---	--------	----------------------------------	-------------

Length and Diameter			
of Coring Device	2 foot / 2 inch	Sampling Interval	feet

Land-Surface Elev. feet ☒ Surveyed ☐ Estimated Datum Ground Surface

Drilling Fluid Used	Water / Mud	Drilling Method
---------------------	-------------	-----------------

Drilling

Contractor VIBRANALYSIS Driller C. FARLEY Helper

Prepared	Hammer	Hammer
----------	--------	--------

By ~~C. Goldsmith~~ D. FOSTER Weight pneumatic Drop ins.

Sample/Core Depth

(feet below land surface)	Core
0	100
10	100
20	100
30	100
40	100
50	100
60	100
70	100
80	100
90	100
100	100
110	100
120	100
130	100
140	100
150	100
160	100
170	100
180	100
190	100
200	100
210	100
220	100
230	100
240	100
250	100
260	100
270	100
280	100
290	100
300	100
310	100
320	100
330	100
340	100
350	100
360	100
370	100
380	100
390	100
400	100
410	100
420	100
430	100
440	100
450	100
460	100
470	100
480	100
490	100
500	100
510	100
520	100
530	100
540	100
550	100
560	100
570	100
580	100
590	100
600	100
610	100
620	100
630	100
640	100
650	100
660	100
670	100
680	100
690	100
700	100
710	100
720	100
730	100
740	100
750	100
760	100
770	100
780	100
790	100
800	100
810	100
820	100
830	100
840	100
850	100
860	100
870	100
880	100
890	100
900	100
910	100
920	100
930	100
940	100
950	100
960	100
970	100
980	100
990	100
1000	100

Recovery Interval

PID

[illegible]

Boring/Well B-19 Project/No. BPCA Page 1 of 2

Site _____ Drilling _____ Drilling _____
Location BATTERY PARK CITY Started 8/14/23 Completed 8/16/23

Total Depth Drilled _____ Feet Hole Diameter _____ inches Type of Sample/ _____
Coring Device _____ Split Spoon _____

Length and Diameter _____
of Coring Device 2 foot / 2 inch Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☒ Surveyed ☐ Estimated Datum Ground Surface

Drilling Fluid Used Water / Mud Drilling Method SEE BELOW

Drilling _____
Contractor VIBRANALYSIS Driller C. FARLEY Helper _____

Prepared _____ Hammer _____ Hammer _____

By C. Goldsmith D. FOSTER Weight pneumatic Drop _____ ins.

Sample/Core Depth

(feet below land surface) Core

Recovery Interval

PID

From	To	(inches)	(feet)	Sample/Core Description	(PPM)	Blows per 6"
0'	8"	N/A		STONE PAVEMENT / CONCRETE	BREAK W/ RIG	
8"	2'	1		SAND & BR; w/ GRAVEL; dk br; med.	0.0	HAND AUGER
2'	4'	1		" " "	0.0	↓ ↓
4'	6'	1		" " "	0.0	↓ ↓
6'	8'			SAND, med; br; some sm gr.	0.0	MUD RIG
8'	10'	18"		Top 12" SAND (same as above)	0.0	
				Bot 6" SAND (same as above, grey stain)	0.0	
10'	12'	18"		SAND BR/gr SOME GR; moist	0.0	↓
15'	17'	12"		SAND; br/gr; some sm gr; WET	0.0	↓
20'	22'	8"		SAND; "	0.0	
25'	27'	12"		" "	0.0	
30'	32'	24"		Bottom 12" Grey Gravel, looks like	0.0	
				TOP 12" SAND w/ grey GRAVEL	0.0	
35'	37'	11"		SAND w/ SILT; br; tight moist	0.0	
40'	42'	14"		SAND, tight; gr; moist	0.0	↓ ↓

pg 2/2

Boring/Well B-19

Page 4 of 4

Prepared by C. Goldsmith D. FOSTER

Sample/Core Depth
(feet below land surface) Core

		Recovery Interval		Sample/Core Description	PID (PPM)	Blows per 6"		
From	To	(inches)	(feet)					
45	47	10"		SAND w/Gravel; gr/bl; W&T, loose	0.0			
50	52	12"		SAND, some silt, GR; bl/gry tight/wet	0.0			
55	57	14"		" "				
60	62	12"		SAND: lt br; fine; moist; tight	0.0			
65	67	24"		TOP 16" SAND; br/gr; moist; BOTTOM 8": SILTY CLAY; Bl; slight pct.	0.0 4.1			
				Discreet Sample				
67	69	24"		TOP 14" SAND BOTT 10" SILTY CLAY; same as above	0.0 2.9			
								EXTRA SPW PER REQUEST OF ARCHAEOLOG
70	72	8"		SAND (SILTY); Bl. Gravel; bad recovery Wet	0.0			
				HIT BEDROCK @ 73.5' BGS				
				NOT ENOUGH MATERIAL FOR TCLP TODAY (8/16)				

Boring/Well B-22 Project/No. _____ Page 1 of 2
 Site _____ Drilling 7/17/23 Drilling 7/18/23
 Location BPCA Started 1050 Completed ~1400 hr.

Type of Sample/ _____
 Total Depth Drilled _____ Feet Hole Diameter _____ inches Coring Device Split Spoon

Length and Diameter of Coring Device 2 foot / 2 inch Sampling Interval _____ feet

Land-Surface Elev. _____ feet ☒ Surveyed ☐ Estimated Datum Ground Surface

Drilling Fluid Used Water / Mud Drilling Method GEOPROBE 6'-10' Vib Hammer
 Drilling 10' → WATER ROTARY
 Contractor ASSOCIATED ENVIRONMENTAL Driller Arac Sahadeo Helper Ravi Karamath

Prepared _____ Hammer _____ Hammer _____
 By C. Goldsmith DAVID FOSTER Weight pneumatic Drop _____ ins.

Sample/Core Depth BILL BUTLER

(feet below land surface) Core

Recovery Interval

PID

From	To	(inches)	(feet)	Sample/Core Description	(PPM)	Blows per 6"
<u>7/17/2023</u>	<u>0'-1'</u>			ASPHALT/SUBBASE		
	<u>1'-2'</u>			BR SAND, SOME GR.	<u>0.3</u>	
	<u>2'-4'</u>					
	<u>4'-6'</u>			HIT ↓		
	<u>6'</u>			CONCRETE - SHIFT BORING		
	<u>0'-6'</u>			SAME AS ABOVE	<u>0.0</u>	
<u>6'</u>	<u>8'</u>			SAND tan fine vel. some gr.	<u>0.0</u>	
<u>8'</u>	<u>10'</u>	<u>1'</u>	<u>6"</u>	SAND; Fine med th. br; some GR.	<u>0.0</u>	
<u>10'</u>	<u>12'</u>	<u>1'</u>	<u>4"</u>	"	<u>0.0</u>	
<u>15'</u>	<u>17'</u>	<u>1'</u>	<u>3"</u>	"	<u>0.0</u>	
<u>20'</u>	<u>22'</u>	<u>1'</u>	<u>9"</u>	"	<u>0.0</u>	
<u>25'</u>	<u>27'</u>	-	<u>6"</u>	LOOSE SAND w/some GR. WET	<u>0.0</u>	
<u>30'</u>	<u>32'</u>	<u>1'</u>	-	6" 10" LOOSE SAND w/gr wet	<u>0.0</u>	
				top 2" clay dk br (sandy)	<u>0.0</u>	
<u>35'</u>	<u>37'</u>	<u>1'</u>	<u>3"</u>	TIGHT/WET SAND grey w/gr.	<u>15.3</u>	
<u>40'</u>	<u>42'</u>	-	<u>11"</u>	SAND wet grey w/Gravel	<u>2.4</u>	



Sample/Core Log (Cont.d)

Boring/Well B-22

Prepared by C. Goldsmith D. Foster
B. Butler (MFS)

Sample/Core Depth

(feet below land surface) Core

Recovery Interval

PID

From	To	(inches)	(feet)	Sample/Core Description	(PPM)	Blows per 6"
45'	47'	16"		~~1.5' rec~~ grey sand wet some sm gr.	0.3	
50'	52'	14"		dk gr silty sand some sm gr. WET bottom 3" clay Sulfur smell	70.6	
55'	57'	24"		dk. grey clay, sm. silt wet	12.9	
57'	59'			SHELBY TUBE		
59'	61'	24"		Wet. dk. grey silty clay (petro odor)	18.8	
61'	63'			SHELBY Tube		
63'	65'	64"		Rec: 1-1" CLAY w/SAND; BLACK; SULFUR BOTTOM 4" WOOD	3.5	
70'	72'	11"		CLAY w/sand; BL; wet; loose	0.0	
72'	74'	24"		TIGHT SAND; WET; BR.; some gravel	0.0	
74'	74' 11"		7" rec.	SAND w/sm gr. LOOSE/wet	0.0	
				~~DRILLER BELIEVES HIT BEDROCK~~		

COLLECT SAMPLE
 B-22 (59-61)

odor
 (PETR.?)

Boring/Well B-27 Project/No. BPCA - Environmental Sampling Page 1 of 2

Site BPCA Drilling Started Completed
Location _____ Type of Sample/ _____
Coring Device Split Spoon

Total Depth Drilled _____ Feet Hole Diameter _____ inches
Length and Diameter of Coring Device 2 foot / 2 inch Sampling Interval _____ feet

Land-Surface Elev. _____ feet ☒ Surveyed ☐ Estimated Datum Ground Surface

Drilling Fluid Used Water / Mud Drilling Method _____

Drilling Contractor ASSOCIATED DRILLING Driller D. L. AN Helper _____

Prepared By C. Goldsmith D. Foster, E. Waechter Weight pneumatic Drop _____ ins.

Sample/Core Depth (feet below land surface) Core 0' - 6' by 1" discrete samples collected end of day yesterday (via hand core)
Recovery Interval 0'-2'; 2'-4'; 4'-6' collected 6/27/23 PID

From	To	(inches)	(feet)	Sample/Core Description	(PPM)	Blows per 6"	Sample Collected
910	6'	8'	12	1	Fine grain sand, moist, brown. some small gravel	0.0	
920	8'	10'	13	SAA	0.0		
930	10'	12'	15	Fine grain sand, moist, light brown	3.9		
	15'	17'	8	Fine grain sand, gray, moist	0.0		
940	20	22	12		0.0		
	25	27	11	Fine grain sand, dark gray, wet	0.0		
	30	32	12	SAA	0.0		
	35	37	10	SAA	0.0		
	40	42	13	Fine grain sand, gray, moist/wet	0.0		
	45	47	14"	Gray coarse/med sand trace silt/silt/clay	0.0		
	50	52	24"	Gr, c-f sand to silt/clay BL/shells; dense	0.0		
	54	56	15"	dk gray/silty silt/clay	0.0		
6/28/23	60	62	9"	Gray c-f gravel, c-f sand, trace silt, very dense, wet	0.0		
6/28/23	65	67	9"	Dark gray, c-f sand, m-f gravel, some clay and silt	0.0		
	70	72	4"	Dense wet	0.0		
				Dark gray c-f gravel, trace c-f sand, med. dense, wet	0.0		

COMP - B-27 (0' - 62') collected 6/28/23 @ 1430 hr

B-27

2 of 4

~~C. Goldsmith~~ E. Wrechter

(feet below land surface)	Core
0	100
10	100
20	100
30	100
40	100
50	100
60	100
70	100
80	100
90	100
100	100
110	100
120	100
130	100
140	100
150	100
160	100
170	100
180	100
190	100
200	100
210	100
220	100
230	100
240	100
250	100
260	100
270	100
280	100
290	100
300	100
310	100
320	100
330	100
340	100
350	100
360	100
370	100
380	100
390	100
400	100
410	100
420	100
430	100
440	100
450	100
460	100
470	100
480	100
490	100
500	100
510	100
520	100
530	100
540	100
550	100
560	100
570	100
580	100
590	100
600	100
610	100
620	100
630	100
640	100
650	100
660	100
670	100
680	100
690	100
700	100
710	100
720	100
730	100
740	100
750	100
760	100
770	100
780	100
790	100
800	100
810	100
820	100
830	100
840	100
850	100
860	100
870	100
880	100
890	100
900	100
910	100
920	100
930	100
940	100
950	100
960	100
970	100
980	100
990	100
1000	100

PID

(PPM)

Blows per 6"

Sample collected

1c



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BORING NUMBER B336

PAGE 1 OF 1

CLIENT Arado

MFS PROJECT NUMBER 1123027

PROJECT NAME Battery Park City

PROJECT LOCATION Manhattan NY

DRILLING AGENCY Associated Environmental

DRILLING EQUIPMENT Geoprobe 7822 D1

SIZE AND TYPE OF BIT 3 7/8" TCRB, 2 15/16" TCRB

CASING 4" ID Steel and 3" ID Steel

CASING HAMMER Auto

WEIGHT 140 DROP 30

SAMPLER 2" OD SS

SAMPLER HAMMER Auto

WEIGHT 140 DROP 30

SURFACE ELEVATION — DATUM —

DATE STARTED 8/10/23 COMPLETED 8/11/23

COMPLETION DEPTH 110 ROCK DEPTH 90

NO. SAMPLES 28 DIST. 24 UNDIST. — CORE —4

GROUND WATER LEVELS (ft. BG): AT TIME OF DRILLING 9

AT END OF DRILLING — AFTER DRILLING —

FOREMAN Dylan Jewel

INSPECTOR W. Butler

CHECKED BY —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in)	PID (ppm)	GRAPHIC LOG	DEPTH BELOW GRADE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
0						12" Concrete		Start @ 710
	S-1	—	0.0			Moist, brown f.c. sand, sm. f.c. gravel, tr. silt (fill) (SP-SM)		Hand Clear to 6' BG.
	S-2	—	0.0			Moist, Brown f.c. Sand, sm. f.c. gravel, tr. silt (fill) (bricks)		Grab S-1
5	S-3	—	0.0			Moist, Brown f.c. Sand, sm. f.c. gravel, tr. silt (fill) (bricks)		Grab S-2
	S-4	18	0.0			Moist, brown c.f. Sand, sm. f. gravel, tr. silt (fill) (bricks)		Grab S-3
	S-5	18	0.0			Moist/wet brown c.f. Sand, sm. f.c. gravel, lt. silt (fill) (bricks)		Take S-4
10	S-6	15	0.0			Wet brown/gray c.f. Sand, sm. f. gravel, lt. silt (fill) (bricks)		Take S-5
								Take S-6
								Advance 4" Casing to 14' BG
15								Drill to 15' BG w/ 3 7/8" TCRB
	S-7	9	3.0			Wet, dark gray f.c. Sand, sm. f. gravel, tr. silt (fill) (petroleum odor/ sheen)		Drilling returns w/ 5.6 ppm on PID
								(Dark residue on water surface)
								Take S-7
								Advance 4" to 17' BG
20								Drill to 20' BG w/ 2 15/16 TCRB



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BORING NUMBER B-33
PAGE 2 OF 2

CLIENT

Acadco

PROJECT NAME

BPC

MFS PROJECT NUMBER

1123022

PROJECT LOCATION

Manhattan NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in)	PID (ppm)	GRAPHIC LOG	DEPTH BELOW GRADE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
20	S-8	4	0.1			Wet, dk. gray c. gravel, sm. silt, lt. f.c. sand, tr. clay (GM) (Fill)		Take S-8 Insufficient sample.
	S-9	0	-			No Recovery		Take S-7 No Recovery Advance 4" to 24' 66" Drill to 25' w/ 3 7/8" TC RB
25	S-10	8	17.2			Wet, dk. gray c.f. gravel, sm. c.f. sand, tr. silt. (rubber fragments) (Fill) (petroleum odor)		Unable to obtain 20'-22' environmental sample. Take S-10 Mostly gravel.
30	S-11	14	2.1			Wet, dk. gray f.c. sand, sm. c.f. gravel, tr. silt (Fill) (bricks)		Advance 4" casing to 29' 66" Drill to 30' 66" w/ 3 7/8" TC RB
35	S-12	0	-			No Recovery		Take S-11 Advance 4" to 34' 66" Drill to 35' 66" w/ 3 7/8" TC RB
	S-13	12	0.1			Wet, dk. gray f.c. sand, sm. c.f. gravel, lt. silt (Fill) (organic odor) (mca fragments)		Take S-12 Take S-13 Advance 4" casing to 39' 66" Drill to 40' 66" w/ 3 7/8" TC RB
40	S-14	15	1.2			Top 6" - Wet, gray f.c. sand, lt. f.c. gravel, tr. silt (mca) (Fill) Bottom 9" - Wet, gray silt, lt. f.c. sand, tr. clay (mth)		Take S-14 ~~Advance 4" casing to~~ Drill to 45' 66" w/ 3 7/8" TC RB
45								



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BORING NUMBER B-53
PAGE 3 OF 3

CLIENT

Arceus

PROJECT NAME

BPC

MFS PROJECT NUMBER

1123027

PROJECT LOCATION

Manhattan NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in)	PID (ppm)	GRAPHIC LOG	DEPTH BELOW GRADE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
45	S-15	10	0.0			Wet, brown f.c. Sand, lt. f.c. gravel, lt. silt (SP-SM)		Take S-15 Mix Quik-Gel mud Drill to 50' BG w/ 3 7/8" TLRB
50	S-16	0	—			No Recovery		Take S-16
	S-17	0	—			No Recovery		Take S-17 Reattempt w/ 3" SS. From 50'-52"
55	S-18	7	0.0			Wet, reddish-brown f.c. Sand, lt. f.c. gravel; lt. silt (SM)		PID reading of 13.7 ppm Wet brown c.f. Sand, sm c.f. gravel, lt. silt (SM) Drill to 55' BG w/ 3 7/8" TLRB Take S-18 Drill to 60' BG w/ 3 7/8" TLRB
60	S-19	10	0.0			Wet, reddish-brown f.c. Sand, lt. f.c. gravel, lt. silt (SP-SM)		Take S-19 Drill to 65' BG w/ 3 7/8" TLRB
65	S-20	19	0.0			Wet, reddish brown f.c. Sand, lt. silt (mica fragments) (SP-SM)		Take S-20 Drill to 70' BG w/ 3 7/8" TLRB
70								



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BORING NUMBER B-53
PAGE 4 OF 4

CLIENT

Accados

PROJECT NAME

BPC

MFS PROJECT NUMBER

1123027

PROJECT LOCATION

BPC, Manhattan NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in)	PID (ppm)	GRAPHIC LOG	DEPTH BELOW GRADE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
70								
	S-21	24	0.0			Top 14 - Wet, reddish brown f. sand, sm. silt (sm) Bottom 10 - Wet, reddish brown f.c. sand, tr. silt (sm)		Take S-21 Drill to 75' BG. w/ 3 7/8"
75								
	S-22	10	0.0			Wet, ~~br~~ reddish brown c.f. sand, tr. silt, tr. f. gravel (SP-sm)		Take S-22 Leave sample in hole, FOD @ 1 PM
80								8/11/23 Resume @ 7:15 AM Mix Quik-gel.
	S-23	13	0.0			Wet, brown f.c. Sand, tr. silt (SP-sm)		Drill to 80' BG. w/ 3 7/8" TCBS
85								Take S-23 Drill to 85' BG w/ 3 7/8" TCBS
	S-24	15	0.0			Wet, brown f.c. Sand, sm. silt (mica fragments) (SM) tr. f. gravel		Take S-24 Drill to 90' BG. w/ 3 7/8" TCBS
90						Approximate TOR		Driller believe top of rock @ 90' BG. Advance 3" casing to 90' BG, clear w/ 2 5/16", Begin casing / MX Complete boring @ 110' BG.
95								

Boring/Well B-39 Project/No. BPCA - ENV. SAMPLING Page 1 of 1

Site WEST RD / HARRISON ST Drilling 9/5/23 Drilling 9/6/23
Location Started Completed

Type of Sample/ Split Spoon
Coring Device

Total Depth Drilled Feet Hole Diameter inches
Length and Diameter of Coring Device 2 foot / 2 inch Sampling Interval feet

Land-Surface Elev. feet ☒ Surveyed ☐ Estimated Datum Ground Surface

Drilling Fluid Used Water / Mud Drilling Method

Drilling Contractor ASSOCIATED ENVIRONMENTAL Driller DYLAN JEWELL Helper

Prepared By C. Goldsmith D. FOSTER Hammer Hammer
Weight pneumatic Drop ins.

Sample/Core Depth (feet below land surface) Core

Recovery Interval		Sample/Core Description	PID (PPM)	Blows per 6"	
From	To				
0'	2'	TOP 16" CONCRETE	N/A	CORE	
		BOTT. SAND: br; LF; w/silt; moist	0.0	HAND AUGER	
2'	4'	SAND: SAME AS ABOVE	0.0		
4'	6'	"	0.0		
6'	8'	SAND; br; m-f; gr; some silt, WET	0.0	SEE LOG	
8'	10'	SAND: gr; m-f; tr silt; tr wood frags	0.0	GEOTECH	
10'	12'	MOSTLY WOOD w/ SAND; br, gr WET	0.0		
15'	17'	WOOD	0.0		
20'	22'	WOOD	0.0		
		STOP DRILLING AT THIS LOC. -			
		DRILLER TO MOVE SLIGHTLY &			
		START BORING A NEW			

DISCREP
SAMPLE



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BORING NUMBER B-39A
PAGE 1 OF 1

CLIENT Acadris
MFS PROJECT NUMBER 1123027
DRILLING AGENCY AES
DRILLING EQUIPMENT Geoprobe 7822BT
SIZE AND TYPE OF BIT 3 1/8" TCBS / 2 1/16" TCBS
CASING 4" ID Steel, 3" ID Steel
CASING HAMMER Auto
WEIGHT 140 DROP 30
SAMPLER 2" OD Split Spine
SAMPLER HAMMER Auto
WEIGHT 140 DROP 30

PROJECT NAME BPC Resiliency
PROJECT LOCATION Manhattan NY
SURFACE ELEVATION — DATUM —
DATE STARTED 9/6/23 COMPLETED 9/8/23
COMPLETION DEPTH 114 ROCK DEPTH 93
NO. SAMPLES 26 DIST. 21 UNDIST. 1 CORE 4
GROUND WATER LEVELS (ft. BG): AT TIME OF DRILLING 10
AT END OF DRILLING — AFTER DRILLING —
FOREMAN Dylan Jewel
INSPECTOR William Butler
CHECKED BY —

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in)	PID (ppm)	GRAPHIC LOG	DEPTH BELOW GRADE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
0						16" Concrete		Mo @ 9:20 PM Start @ 9:36 PM Core through pavement w/ 10" ID core barrel.
5	S-1	6.2	Fill			Moist, brown f.c. Sandy sm. f.c. gravel, lt. silt (mica, brick frag) (Fill)		Hand clear to 6'60.
	S-2	0.9	Fill			Moist, brown f.c. Sand, lt. f.c. gravel, lt. silt (mica, brick) (Fill)		Grab S-1 S-2
	S-3	14	1.1	Fill		Moist, brown fin. Sand, tr. f. gravel, tr. silt (Fill)		Take S-3 Take S-4
10	S-4	9	0.8	Fill		Moist, brown f.c. Sand, sm. f.c. gravel, lt. silt (Fill)		
	S-5	10	0.4	Fill		Wet, brown f.c. Sand, sm. f.c. gravel, lt. silt (Fill)		Take S-5 Advance 4" casing to 14' Bb. Drill to 15' Bb w/ 2 15/16" TCBS
15								
	S-6	3	0.4			Wet, brown f.m. Sand, sm silt, sm, f. gravel (Fill)		Take S-6 Retake w/ 3" OD SS Advance 4" casing to 19' Bb. Drill to 20' Bb w/ 2 15/16" TCBS
20								



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BORING NUMBER 3-31A

PAGE 2 OF 2

CLIENT

Aracdo

PROJECT NAME

BPL Resiliency

MFS PROJECT NUMBER

1123027

PROJECT LOCATION

Manhattan NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in)	PID (ppm)	GRAPHIC LOG	DEPTH BELOW GRADE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
20	S-7	12	0.4			Wet, grey clay, silt, fine sand (CL)		Take S-7 Advance 4" core to 21' 06" Drill to 25' 06" w/ 3 7/8" TCBS
25	S-8	15	0.1			Wet, grey clay, silt, f. c. sand (CL)		Take S-8 Drill to 27' 06" w/ 3 7/8" TCBS
	U-1	14	-			SAME AS ABOVE		Take U-1
30	S-9	6	0.0			Des, brown f.c. sand & b/c gravel, silt (SM)		Take S-9 Advance 4" to 34' 06" Drill to 35' 06" w/ 2 5/16" TCBS
35	S-10	10	1.1			Wet, brown c.f. sand, lt. c. gravel, silt (SP-SM) (wood frag)		Take S-10 Ref @ 35' 10" Drill to 40' 06" w/ 3 7/8" TCBS. Advance 4" to 40' 06" Drill to 40' 06" w/ 2 5/16" TCBS
40	S-11	-	-			NK c. gravel in SS shoe.		Take S-11 Ref @ 40' 09" BL Advance 4" to 44' 06" Drill to 45' 06" w/ 2 5/16"
45								

MFS PROJECT NUMBER

PROJECT NAME

PROJECT LOCATION

Max Druck Ge!



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BORING NUMBER 2711

PAGE 4 OF 4

CLIENT

Arcadis

PROJECT NAME

BPC Resiliency

MFS PROJECT NUMBER

1123027

PROJECT LOCATION

Manhattan NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in)	PID (ppm)	GRAPHIC LOG	DEPTH BELOW GRADE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
70	S-17	6	0.4			Wet, brown F.c. Sand, sm. f.c. gravel, tr. silt (SP-Sm)		Take S-17 Advance 4" to 69' Bb Drill to 75' Bb w/ 3 7/8" TCRB Mix Quik Gel
75	S-18	6	0.4			Wet brown c.f. gravel, sm. f.c. Sand, tr. silt & (GP)		Take S-18 Advance 4" to 79' Bb. Drill to 80' Bb w/ 3 7/8" TCRB
80	S-19	11	1.6			Wet, brown F.c. Sand, lt. c.f. gravel, tr. silt (SP-Sm)		Take S-19 Ref @ 81' 10" Drill to 85' Bb w/ 3 7/8" TCRB
85	S-20	10	0.2			Wet, brown F.c. Sand & c.f. gravel, lt. silt (Sm)		Take S-20 Ref @ 87' Drill to 90' Bb w/ 3 7/8" TCRB.
90	S-21	7	0.0			Wet, brown c.f. Sand, sm F. gravel, tr. silt (SP-Sm)		Take S-21 Ref @ 90' 10" Bb. Drill to 95' Bb Assumed TOR @ 93' 8" Stop daily @ 94. Advance 3" casing to 94
95								



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BORING NUMBER 0014

PAGE 1 OF 1

CLIENT

Arcaids

PROJECT NAME

BPC Reservoir

MFS PROJECT NUMBER

1123027

PROJECT LOCATION

Hamilton NY

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in)	PID (ppm)	GRAPHIC LOG	DEPTH BELOW GRADE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
95								
100								
105								
110								
115								
								Drillers core from 94' to 114' B6. WFB leave site @ 2:45 AM. EDB @ 3:20 AM

Boring/Well B-44 Project/No. _____ Page 1 of 2

Site _____ Drilling 7/25/10 1030 Drilling 1440
Location N. MOORE ST. NYC Started 7/26/2015 Completed _____
(NEAR #80)

Type of Sample/ _____
Total Depth Drilled _____ Feet Hole Diameter _____ inches Coring Device _____ Split Spoon _____

Length and Diameter _____
of Coring Device 2 foot / 2 inch Sampling Interval _____ feet

Land-Surface Elev. _____ feet ☒ Surveyed ☐ Estimated Datum Ground Surface

Drilling Fluid Used Water / Mud SEE BELOW Drilling Method GEO PROBE

Drilling _____
Contractor AES Driller ANAN SAHADEO Helper RAVI KARAMATH

Prepared _____
By C. Goldsmith D. FOSTER Hammer _____ Hammer _____
Weight pneumatic Drop _____ ins.

Sample/Core Depth _____
(feet below land surface) Core _____

		Recovery Interval		Sample/Core Description	PID (PPM)	Blows per 6"
From	To	(inches)	(feet)			
0'	2'	N/A		SAND; dk br w/ much gravel, some brick	0.0	HAND
2'	4'			SAND; br w/ gr hard brick	0.0	CLEAR
4'	6'			" " " "	0.0	↓ ↓ ↓
6'	8'				0.0	NVIGRIA
8'	10'				0.0	CORE
10'	12'				0.0	↓ ↓
12'	14'				0.0	MINOR RIG
15'	17'	11"		SAND; br; wet; w/some sm gr.	0.0	↓
20'	22'			SAND; br; WET w/ sm gr Collect B-44 (20'-22')	0.0	↓
25'	27'			" "	0.0	↓
30'	32'			Bottom: Silty sand w/ sm. gr; br; wet	0.0	↓
				Top 5" CLAY w/ SAND & sm gr; br; wet	0.0	
35'	37'	10"		SAND w/ sm gr; WET; br.	0.0	
40'	42'	poor		Stones/ sand; Wet	0.0	

← BORING OBTAINED IN TREE PLANTER

top 4' of topsoil - discarded

Sample/Core Log (Cont.d)

Boring/Well

B-44

Prepared by

C. Goldsmith D. FOSTER

Sample/Core Depth

(feet below land surface) Core

Recovery Interval

PID

From	To	(inches)	(feet)	Sample/Core Description	(PPM)	Blows per 6"
45'	47'	12"		6" SAND; coarse; br; some gr; WET	0.0	
				6" (top) stones in gravel	0.0	
50'	52'	poor		Gravel, some silt, wet	0.0	
55'	57'	8"		Gravel; some silt; wet	0.0	
60'	62'			~~NO RECOVERY~~ end of Day: 58.6 dth		
60'	62'	24"		SAND; med; br; wet	0.0	
62'	64'	24"		SAND; dk br; fine; tight; moist	0.0	
65'	67'	14"		SAND; br; fine/med; some sm gr; tight moist	0.0	
70'	72'			SAND; coarse w/gravel; grey; loose; wet	0.0	
75'	77'			NO REPRESENTATIVE RECOVERY	0.0	
80'	82'			NO REPRESENTATIVE RECOVERY	0.0	
95'	97'	12"		COARSE SAND; w/sm gr; light br; WET	0.0	
				BEDROCK AT 99.92' bgs		

TE-B-46

Page 1 of 1

Site

Drilling

Drilling

Started

Completed

Total Depth Drilled 28 Feet

Hole Diameter 5" inches CASING

Type of Sample/

Coring Device

Split Spoon 2nd

Length and Diameter

of Coring Device 2 foot / 2 inch STEEL SPLIT SPOON

Sampling Interval 2 feet

Land-Surface Elev feet

☒ Surveyed

☐ Estimated

Datum ~~Ground Surface~~ MUD LINE: 0'

Drilling Fluid Used ~~Water Mud~~ N/A

Drilling Method GEOPROBE

Drilling

Drilling
Contractor ASSOCIATED ENVIRONMENTAL

EDDIE

GIALLO

ROB

Helper ALLEN

Prepared

By C Goldsmith DAVID FOSTER

Hammer N/A

Hammer *N/A*

By

Weight ~~pneumatic~~ Drop _____ ins

Sample/Core Depth

(feet below land surface)	Core
0	100
10	100
20	100
30	100
40	100
50	100
60	100
70	100
80	100
90	100
100	100
110	100
120	100
130	100
140	100
150	100
160	100
170	100
180	100
190	100
200	100
210	100
220	100
230	100
240	100
250	100
260	100
270	100
280	100
290	100
300	100
310	100
320	100
330	100
340	100
350	100
360	100
370	100
380	100
390	100
400	100
410	100
420	100
430	100
440	100
450	100
460	100
470	100
480	100
490	100
500	100
510	100
520	100
530	100
540	100
550	100
560	100
570	100
580	100
590	100
600	100
610	100
620	100
630	100
640	100
650	100
660	100
670	100
680	100
690	100
700	100
710	100
720	100
730	100
740	100
750	100
760	100
770	100
780	100
790	100
800	100
810	100
820	100
830	100
840	100
850	100
860	100
870	100
880	100
890	100
900	100
910	100
920	100
930	100
940	100
950	100
960	100
970	100
980	100
990	100
1000	100

Recovery Interval

PID

(PPM)

Blows per 6"

Geotech Boring log template.xls
Template

SEDIMENT ENV. SAMPLING
ABOARD NORTHSTAR VOYAGER

TE-B-48 *

Boring/Well _____ Project/No. _____ Page 1 of 1

Drilling/well _____ Drilling _____
Site _____
Location BATTERY PARK CITY Started 3/2/27 Completed 3/2/27

Type of Sample/
Coring Device

Split Spoon 5/8 2"

Total Depth Drilled _____ Feet Hole Diameter 5 inches Coring Device Split Spoon

Length and Diameter of Coring Device 2 foot / 2 inch CASING Sampling Interval 2 feet

Land-Surface Elev. _____ feet ☒ Surveyed ☐ Estimated Datum Ground Surface **MUD LINE**

Drilling Fluid Used Water / Mud N/A Drilling Method CASING / ADVANCE
SPOON

Drilling ASSOCIATED ENVIRONMENTAL ANTHONY KAPPEL Helper ROBERT ALLEN

Contractor DAVID FOSTER Hammer N/A Hammer N/A
Prepared _____ Weight pneumatic Drop _____ ins.
By C. Goldsmith DAVID FOSTER

Sample/Core Depth

(feet below land surface) Core

Recovery Interval

From	To	(inches)	(feet)	Sample/Core Description	(PPM)	Blows per ft
0'	2'	14"	2'	SILTY CLAY; TRIAND; some shells; SOFT, WET	20	DISCREET SAMPLE
2'	4'	20"		TOP 6" SLUFF BOTT 14" DECOMPOSED ROCK w/ SILTY SAND & gravel		
INSUFF. MAT FOR TCLP, DUP, MSB/MSD						
* NOTE - BORING LOCATION OCCURRED / APPROVED BTWN PLANNED LOC. S TE-B-48 & TE-B-49						

Appendix C

Groundwater Sampling Form

Page 1 of 1

Project No. _____

Well ID

SB-24(BOW)-26

Sample Date

6/29/23

Project Name/Location

BATTERY PARK CITY - ENVIRONMENTAL SAMPLING

Weather

P Cloudy 60/70 F

Well Material

PVC
SS

Screen

Setting (ft bTOC)

Casing

Diameter (in.)

Static Water

Level (ft bTOC)

#13 13.42

Total Well

Depth (ft bTOC)

29.12'

Water Column/

Gallons in Well

MP Elevation

Pump

On/Off Time

Pump

Intake (ft bTOC)

Volumes Purged

Purge Method:

Centrifugal

Submersible

Other

Peristaltic
SOLINIST

Sample

Method

Pump

Sample Time: Label

Start

End

1345

Duplicate? ID?

Sampled by

DE

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Cumul. Gallons Purged	pH	Cond.	Turbidity	Dissolved Oxygen	Temp.	Redox	Appearance	
					+/- 0.1 unit	(mS/cm) +/- 3%	(NTU) +/- 10%	(mg/L) +/- 10%	(°C) +/- 3%	(mV) +/- 10mV	Color	Odor
Stabilization Req's:		100-200 mL/min	+/- 0.3									
1310	0			0.5	7.22	2.45	247	8.61	19.35	285	Brown	
1315	5		13.73	1.0	7.23	2.45	463	1.32	19.23	288	Brown	
1320	10		13.61	2.5	7.29	2.11	182	1.01	18.94	289	Brown	
1325	15		13.58	3.5	7.31	1.94	110	0.05	18.94	285	Clear	
1330	20		13.61	4.5	7.31	1.81	96.3	0.00	18.93	284	Clear	
1335	25		13.62		7.35	1.42	86.9	0.00	18.91	280	Clear	
1340	30		13.63		7.36	1.42	89.2	0.00	18.89	281	Clear	

Constituents to be Analyzed

Container Type

Number

Preservative

Notes:

COLLECTED SAMPLE B(OW)-26 6/29/23 @ 1345 hr
SEE COC FOR ANALYSES

Well Casing Volumes

Gallons/Foot

1" = 0.04
1.25" = 0.06

1.5" = 0.09
2" = 0.16

2.5" = 0.26
3" = 0.37

3.5" = 0.50
4" = 0.65

6" = 1.47

Groundwater Sampling Form

SB-21
~~SB-21~~

Page 1 of 1

Project No. _____

Well ID _____

Sample Date 6/29/23

Project Name/Location BPCA - ENVIRONMENTAL SAMPLING

Weather P.C.L., 70° F

Well Material ☒ PVC
☐ SS

Screen Setting (ft bTOC) _____

Casing Diameter (in.) 2"

Static Water Level (ft bTOC) 11.53
11.13

Total Well Depth (ft bTOC) 17.30

Water Column/ Gallons in Well _____

MP Elevation _____

Pump Intake (ft bTOC) _____

Purge Method: _____

Pump _____

On/Off Time _____

Volumes Purged _____

Centrifugal
Submersible
Other _____

*PENINSULAR
SOCIETY*

Sample Method PUMP

Sample Time: Label _____
Start _____
End _____

Duplicate? ID? No

Sampled by D. FOSTER
E. WAECHTER

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Cumul. Gallons Purged	pH	Cond. (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance		
											Color	Odor	
Stabilization Req's:		100-200 mL/min	+/- 0.3		+/- 0.1 unit	+/- 3%	+/- 10%	+/- 10%	+/- 3%	+/- 10mV			
~~1128~~ 1128				0.5	8.00	0.224	230	6.15	16.51	125	cloudy	none	
1133			12.08	1.5	7.75	0.203	418	3.57	16.22	142	"	"	
1138			11.90	2.0	7.59	0.191	216	2.49	16.05	170	"	"	
1142			12.04	2.3	7.53	0.186	146	2.61	16.07	181	clear	"	
1148			11.92	2.8	7.51	0.186	123	2.40	16.10	190	"	"	
1153			11.97	3.0	7.47	0.185	77.5	2.37	16.01	192	"	"	
1158			11.90	3.2	7.43	0.185	70.0	2.38	16.07	194	"	"	
1200	SAMPLE SB-21												

Constituents to be Analyzed	Container Type	Number	Preservative

Notes: COLLECTED GW SAMPLE SB-21 6/29/23 @ 1200 hr
SEE COC FOR ANALYSES

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Arcadis

Appendix D

						Sample Location	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-5
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	10-12	35-37	40-52
						Sample Date	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/28/2023	6/22/2023
						Sample ID	SB-3(0-2)-062723	DUP-SOIL-062723	SB-3(2-4)-062723	SB-3(4-6)-062723	SB-3(6-8)-062723	SB-3(8-10)-062723	SB-3(10-12)-062723	B-3(35-37)_062823	B-5(40'-52')_06222023
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
Metals	Aluminum	NS	NS	NS	NS	mg/kg	7390	7530	5940	7530	1400	1560	1510	2640	14500
Metals	Iron	NS	NS	NS	NS	mg/kg	9780	16200	12400	16100	3520	3540	4470	9970	32200
Metals	Lead	63	400	400	450	mg/kg	32.1	42.8	391 F2	41.5	1.5	2.2	3.7	3.4	360
Metals	Magnesium	NS	NS	NS	NS	mg/kg	9110	13200	7770 F2	12900	695	798	769	13000	6150
Metals	Manganese	1600	2000	2000	2000	mg/kg	177	278	176	274	46.1	45.7	47.7	70.7	338
Metals	Nickel	30	140	310	130	mg/kg	9.5	99.1	39.8 F2	98.7	3.8	4.1	4.6	9.5	46.3
Metals	Potassium	NS	NS	NS	NS	mg/kg	1370	3030	1710	3050	334	388	401	607	2920
Metals	Silver	2	36	180	8.3	mg/kg	<0.35 U	0.16 J	0.23 J	0.30 J	<0.31 U	<0.35 U	<0.33 U	<0.46 U	22.4
Metals	Sodium	NS	NS	NS	NS	mg/kg	1120	402	550	417	103	550	428	698	4760
Metals	Thallium	NS	NS	NS	NS	mg/kg	0.077 J	0.16 J	0.10 J	0.16 J	<0.31 U	<0.35 U	<0.33 U	<0.46 U	0.35 J
Metals	Antimony	NS	NS	NS	NS	mg/kg	0.79 J	0.29 J	3.3 F1	0.33 J	<0.78 U	<0.89 U	<0.83 U	<1.2 U	3.6
Metals	Arsenic	13	16	16	16	mg/kg	4.6	2.4	3.0	2.4	1.4	1.4	1.4	2.2	23.4
Metals	Barium	350	350	400	820	mg/kg	63.9	118	73.1	110	4.0	4.6	5.9	11.7	169
Metals	Beryllium	7.2	14	72	47	mg/kg	0.32 J	0.34	0.26 J	0.34	0.065 J	0.073 J	0.065 J	0.20 J	0.91
Metals	Cadmium	2.5	2.5	4.3	7.5	mg/kg	0.11 J	0.12 J	0.17 J	0.15 J	<0.78 U	<0.89 U	<0.83 U	<1.2 U	7.8
Metals	Total Chromium (see NOTE)	1 [30]	22 [36]	110 [180]	19 [NS]	mg/kg	13.1	27.8	17.9	27.1	4.8	4.6	13.3	8.9	263
Metals	Cobalt	NS	NS	NS	NS	mg/kg	3.8	16.1	5.8 F1	17.9	1.3 J	1.4 J	1.6 J	3.4	10.3
Metals	Copper	50	270	270	1720	mg/kg	20.2	73.5	67.9	98.8	1.5 J	1.8	6.3	4.7	402
Metals	Vanadium	NS	NS	NS	NS	mg/kg	15.5	19.0	17.0	19.7	4.9	5.1	4.6	10.5	58.7
Metals	Zinc	109	2200	10000	2480	mg/kg	59.8	91.4	65.7 F1	104	6.6	9.9	10.7	17.5	459
Metals	Calcium	NS	NS	NS	NS	mg/kg	65800	15900	21300	22400	395	493	1780	24300	4900
Metals	Selenium	3.9	36	180	4	mg/kg	<1.1 U	0.12 J	0.12 J	0.15 J	<0.97 U	<1.1 U	<1.0 U	<1.5 U	1.5 J
Metals	Mercury	0.18	0.81	0.81	0.73	mg/kg	0.057 B	0.27 B	0.12 F1B	0.17 B	<0.017 U	<0.018 U	0.011 JB	<0.018 U	5.7
OC Pest	Heptachlor epoxide	NS	NS	NS	NS	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	Endosulfan sulfate	2.4	4.8	24	1000	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	Aldrin	0.005	0.019	0.097	0.19	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	Alpha-BHC	0.02	0.097	0.48	0.02	mg/kg	<0.0023 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	NA
OC Pest	Beta-BHC	0.036	0.072	0.36	0.09	mg/kg	<0.0023 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	NA
OC Pest	Delta-BHC	0.04	100	100	0.25	mg/kg	<0.0023 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	NA
OC Pest	Endosulfan II	2.4	4.8	24	102	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	4,4-DDT	0.0033	1.7	7.9	136	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	Endrin ketone	NS	NS	NS	NS	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	Chlordane	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	NA
OC Pest	Gamma-BHC	0.1	0.28	1.3	0.1	mg/kg	<0.0023 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	NA
OC Pest	Dieldrin	0.005	0.039	0.2	0.1	mg/kg	<0.0023 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	NA
OC Pest	Endrin	0.014	2.2	11	0.06	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	Methoxychlor	NS	NS	NS	NS	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	4,4-DDD	0.0033	2.6	13	14	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	4,4-DDE	0.0033	1.8	8.9	17	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	Endrin aldehyde	NS	NS	NS	NS	mg/kg	<0.0075 U*+	<0.0072 U*+	<0.0071 U*+	<0.0074 U*+	<0.0069 U*+	<0.0074 U*+	<0.0075 U*+	<0.0081 U	NA
OC Pest	Heptachlor	0.042	0.42	2.1	0.38	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA
OC Pest	Toxaphene	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	NA
OC Pest	Endosulfan I	2.4	4.8	24	102	mg/kg	<0.0075 U	<0.0072 U	<0.0071 U	<0.0074 U	<0.0069 U	<0.0074 U	<0.0075 U	<0.0081 U	NA

						Sample Location	B-9	B-9	B-9	B-9	B-9	B-9	B-14	B-14	B-14	B-19
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	0-2	2-4	4-6	0-2
						Sample Date	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/9/2023	8/9/2023	8/9/2023	8/14/2023
						Sample ID	B-9 (0-2)-083023	B-9 (2-4)-083023	DUP-083023	B-9 (4-6)-083023	B-9 (6-8)-083023	B-9 (8-10)-083023	B-14 (0-2)-080923	B-14(2-4)-080923	B-14 (4-6)-080923	B-19(0-2)-081423
						Sample Type	Soil	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 5	Reach 5	Reach 5	Reach 4
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted-Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit										
Metals	Aluminum	NS	NS	NS	NS	mg/kg	2130	4880 F2	3920	5070	3760	4870	2370	1270	1600	8800
Metals	Iron	NS	NS	NS	NS	mg/kg	4870	10300 F2	8390	11300	8230	7270	6530	3000	3840	16500
Metals	Lead	63	400	400	450	mg/kg	16.3	34.6	32.4	48.9	16.7	13.3	17.4	5.0	4.8	90.0
Metals	Magnesium	NS	NS	NS	NS	mg/kg	6310	3790	2400	12600	1850	2060	2900	640	733	8320
Metals	Manganese	1600	2000	2000	2000	mg/kg	93.7	144 F1	122	195	195	116	112	63.5	66.4	233
Metals	Nickel	30	140	310	130	mg/kg	9.1	31.6 F1	15.8	24.1	12.5	12.3	10.2	4.0	4.9	19.3
Metals	Potassium	NS	NS	NS	NS	mg/kg	682	1700 F2	1440	1190	904	777	847	319	335	2890
Metals	Silver	2	36	180	8.3	mg/kg	0.16 J	0.21 J	0.16 J	0.073 J	<0.30 U	0.092 J	<0.33 U	<0.32 U	<0.35 U	0.084 J
Metals	Sodium	NS	NS	NS	NS	mg/kg	111	127	99.6	170	120	401	233	53.6 J	43.7 J	397
Metals	Thallium	NS	NS	NS	NS	mg/kg	0.045 J	0.090 J	0.075 J	0.067 J	0.050 J	0.042 J	<0.33 U	<0.32 U	<0.35 U	0.16 J
Metals	Antimony	NS	NS	NS	NS	mg/kg	0.19 J	0.33 J	0.24 J	0.28 J	0.14 J	0.14 J	5.1	1.5	0.90	0.18 J
Metals	Arsenic	13	16	16	16	mg/kg	1.8	2.6	2.2	2.1	1.4	1.2	2.5	1.6	1.8	3.0
Metals	Barium	350	350	400	820	mg/kg	18.1	55.8 F2	47.3	86.5	37.0	34.6	26.3	4.9	5.9	105
Metals	Beryllium	7.2	14	72	47	mg/kg	0.12 J	0.23 J	0.20 J	0.31	0.23 J	0.24 J	0.10 J	0.066 J	0.081 J	0.31 J
Metals	Cadmium	2.5	2.5	4.3	7.5	mg/kg	<0.80 U	0.15 J	0.12 J	0.10 J	<0.76 U	<0.78 U	<0.84 U	<0.79 U	<0.88 U	0.75 J
Metals	Total Chromium (see NOTE)	1 [30]	22 [36]	110 [180]	19 [NS]	mg/kg	7.2	14.7 F2F1	12.1	18.1	10.6	15.6	11.2	4.3	4.1	20.4
Metals	Cobalt	NS	NS	NS	NS	mg/kg	3.1	5.7	4.0	4.6	3.5	3.1	2.4	1.4 J	1.5 J	7.3
Metals	Copper	50	270	270	1720	mg/kg	6.6	26.4 F2F1	15.4	15.3	9.6	13.0	13.6	1.9	2.2	76.1
Metals	Vanadium	NS	NS	NS	NS	mg/kg	7.1	16.1 F1	11.7	14.9	12.7	13.2	8.0	4.6	5.1	31.5
Metals	Zinc	109	2200	10000	2480	mg/kg	23.8	46.0 F1	42.5	52.0	25.7	21.7	28.4	10.7	42.9	175
Metals	Calcium	NS	NS	NS	NS	mg/kg	11700	4140 F2	2820	20700	2120	2990	8560	686	529	28400
Metals	Selenium	3.9	36	180	4	mg/kg	<1.0 U	0.12 J	<1.1 U	<0.97 U	<0.95 U	<0.97 U	<1.0 U	<0.99 U	<1.1 U	0.20 J
Metals	Mercury	0.18	0.81	0.81	0.73	mg/kg	0.21	0.11	0.13	0.13	0.21	0.067	0.077	0.021	0.018	0.18
OC Pest	Heptachlor epoxide	NS	NS	NS	NS	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	Endosulfan sulfate	2.4	4.8	24	1000	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	Aldrin	0.005	0.019	0.097	0.19	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	Alpha-BHC	0.02	0.097	0.48	0.02	mg/kg	<0.0020 U	<0.0021 U	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0022 U	<0.0020 U	<0.0021 U	<0.0021 U
OC Pest	Beta-BHC	0.036	0.072	0.36	0.09	mg/kg	<0.0020 U	<0.0021 U	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0022 U	<0.0020 U	<0.0021 U	<0.0021 U
OC Pest	Delta-BHC	0.04	100	100	0.25	mg/kg	<0.0020 U	<0.0021 U	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0022 U	<0.0020 U	<0.0021 U	<0.0021 U
OC Pest	Endosulfan II	2.4	4.8	24	102	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	4,4-DDT	0.0033	1.7	7.9	136	mg/kg	<0.0067 U	0.0043 J	0.010	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	Endrin ketone	NS	NS	NS	NS	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	Chlordane	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
OC Pest	Gamma-BHC	0.1	0.28	1.3	0.1	mg/kg	<0.0020 U	<0.0021 U	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0022 U	<0.0020 U	<0.0021 U	<0.0021 U
OC Pest	Dieldrin	0.005	0.039	0.2	0.1	mg/kg	<0.0020 U	<0.0021 U	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0022 U	<0.0020 U	<0.0021 U	<0.0021 U
OC Pest	Endrin	0.014	2.2	11	0.06	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	Methoxychlor	NS	NS	NS	NS	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	4,4-DDD	0.0033	2.6	13	14	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	4,4-DDE	0.0033	1.8	8.9	17	mg/kg	<0.0067 U	<0.0071 U	0.0042 J	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	0.0074
OC Pest	Endrin aldehyde	NS	NS	NS	NS	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	Heptachlor	0.042	0.42	2.1	0.38	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U
OC Pest	Toxaphene	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
OC Pest	Endosulfan I	2.4	4.8	24	102	mg/kg	<0.0067 U	<0.0071 U	<0.0071 U	<0.0068 U	<0.0068 U	<0.0067 U	<0.0073 U	<0.0068 U	<0.0072 U	<0.0069 U

						Sample Location	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-22
						Depth (ft bgs)	2-4	2-4	4-6	6-8	8-10	10-12	20-22	65-67	0-2
						Sample Date	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/16/2023	7/17/2023
						Sample ID	B-19(2-4)-081423	DUP081423 SOLID	B-19(4-6)-081423	B-19(6-8)-081423	B-19(8-10)-081423	B-19(10-12)-081423	B-19(20-22)-081423	B-19 (65-67)-081623	B-22(0-2)-071723
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
Metals	Aluminum	NS	NS	NS	NS	mg/kg	7990	8570	3200	1250	1380	8260	1040	12500	1980
Metals	Iron	NS	NS	NS	NS	mg/kg	15200	16500	6200	4570	4710	24200	2360	23900	4360
Metals	Lead	63	400	400	450	mg/kg	41.1	37.0	19.5	4.3	3.6	22.5	1.5	85.5	22.3
Metals	Magnesium	NS	NS	NS	NS	mg/kg	7910 F2	5380	6030	703	652	11100	566	10900	1320
Metals	Manganese	1600	2000	2000	2000	mg/kg	191 F1F2	177	104	81.8	75.6	185	23.0	267	84.6
Metals	Nickel	30	140	310	130	mg/kg	22.1 F1	19.0	9.2	4.5	7.7	21.5	3.7	29.8	9.5
Metals	Potassium	NS	NS	NS	NS	mg/kg	3460	4030	1180	319	349	5000	237	6990	473
Metals	Silver	2	36	180	8.3	mg/kg	<0.41 U	<0.38 U	<0.36 U	0.091 J	0.16 J	<0.35 U	<0.36 U	2.3	0.13 J
Metals	Sodium	NS	NS	NS	NS	mg/kg	353	341	180	72.3 J	106	190	66.5 J	2630	304
Metals	Thallium	NS	NS	NS	NS	mg/kg	0.18 J	0.20 J	0.066 J	<0.38 U	<0.36 U	0.22 J	<0.36 U	0.32 J	<0.38 U
Metals	Antimony	NS	NS	NS	NS	mg/kg	<1.0 UF1	<0.96 U	<0.89 U	<0.96 U	<0.90 U	0.19 J	<0.89 U	0.15 J	0.19 J
Metals	Arsenic	13	16	16	16	mg/kg	2.5	1.8	1.6	1.3	1.6	2.8	0.91	6.7	2.1
Metals	Barium	350	350	400	820	mg/kg	80.3	82.2	35.5	5.0	5.5	101	3.6	132	16.9
Metals	Beryllium	7.2	14	72	47	mg/kg	0.28 J	0.29 J	0.12 J	0.062 J	0.14 J	0.28 J	0.052 J	0.40 J	0.11 J
Metals	Cadmium	2.5	2.5	4.3	7.5	mg/kg	0.14 J	0.14 J	<0.89 U	<0.96 U	<0.90 U	<0.87 U	<0.89 U	1.4	<0.94 U
Metals	Total Chromium (see NOTE)	1 [30]	22 [36]	110 [180]	19 [NS]	mg/kg	20.4	18.0	8.8	8.4	25.9	26.2	2.9	71.1	6.5
Metals	Cobalt	NS	NS	NS	NS	mg/kg	7.3	8.1	3.0	1.6 J	1.8	10.5	1.1 J	10.6	2.2
Metals	Copper	50	270	270	1720	mg/kg	28.9 F1F2	31.0	10.6	2.9	14.2	28.8	1.6 J	79.0	7.7
Metals	Vanadium	NS	NS	NS	NS	mg/kg	22.1 F1	25.8	10.6	3.9	4.1	25.5	3.3	41.5	6.1
Metals	Zinc	109	2200	10000	2480	mg/kg	67.4	60.5	35.4	13.6	11.8	54.3	6.8 J	149	73.5
Metals	Calcium	NS	NS	NS	NS	mg/kg	17000	13600	12500	743	707	23800	350	9030	2080
Metals	Selenium	3.9	36	180	4	mg/kg	<1.3 U	<1.2 U	<1.1 U	<1.2 U	<1.1 U	0.11 J	<1.1 U	0.45 J	<1.2 U
Metals	Mercury	0.18	0.81	0.81	0.73	mg/kg	0.078 F1	0.086	0.14	0.024	0.027	0.048	0.013 J	0.70	0.12
OC Pest	Heptachlor epoxide	NS	NS	NS	NS	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Endosulfan sulfate	2.4	4.8	24	1000	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Aldrin	0.005	0.019	0.097	0.19	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Alpha-BHC	0.02	0.097	0.48	0.02	mg/kg	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0021 U
OC Pest	Beta-BHC	0.036	0.072	0.36	0.09	mg/kg	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0021 U
OC Pest	Delta-BHC	0.04	100	100	0.25	mg/kg	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0021 U
OC Pest	Endosulfan II	2.4	4.8	24	102	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	4,4-DDT	0.0033	1.7	7.9	136	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Endrin ketone	NS	NS	NS	NS	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Chlordane	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
OC Pest	Gamma-BHC	0.1	0.28	1.3	0.1	mg/kg	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0021 U
OC Pest	Dieldrin	0.005	0.039	0.2	0.1	mg/kg	<0.0021 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0024 U	<0.0021 U
OC Pest	Endrin	0.014	2.2	11	0.06	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Methoxychlor	NS	NS	NS	NS	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	4,4-DDD	0.0033	2.6	13	14	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	4,4-DDE	0.0033	1.8	8.9	17	mg/kg	<0.0069 U	0.0050 J	0.0029 J	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Endrin aldehyde	NS	NS	NS	NS	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Heptachlor	0.042	0.42	2.1	0.38	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U
OC Pest	Toxaphene	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
OC Pest	Endosulfan I	2.4	4.8	24	102	mg/kg	<0.0069 U	<0.0068 U	<0.0067 U	<0.0068 U	<0.0067 U	<0.0069 U	<0.0070 U	<0.0082 U	<0.0071 U

						Sample Location	B-22	B-22	B-22	B-22	B-22	B-22	B-22	B-27	B-27
						Depth (ft bgs)	2-4	4-6	6-8	8-10	10-12	20-22	59-61	0-2	2-4
						Sample Date	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/18/2023	6/27/2023	6/27/2023
						Sample ID	B-22(2-4)-071723	B-22(4-6)-071723	B-22(6-8)-071723	B-22(8-10)-071723	B-22(10-12)-071723	B-22(20-22)-071723	B-22(59-61)-071823	B-27(0'-2')_062723	B-27(2'-4')_062723
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
Metals	Aluminum	NS	NS	NS	NS	mg/kg	1820	1380	2510	2110	1620	1500	14000	1430	1920
Metals	Iron	NS	NS	NS	NS	mg/kg	3910	3030	8540	4600	3630	3710	30300	3220	4270
Metals	Lead	63	400	400	450	mg/kg	15.7	5.0	94.3	4.3	8.4	3.0	282	10	10.7
Metals	Magnesium	NS	NS	NS	NS	mg/kg	1090	691	1770 F1	1910	872	737	6110	1090	15400
Metals	Manganese	1600	2000	2000	2000	mg/kg	84.2	62.0	117 F1	84.8	124	44.3	394	55.6	78.5
Metals	Nickel	30	140	310	130	mg/kg	7.5	5.3	21.2 F1	6.0	5.0	4.7	40.4	4.5	5.6
Metals	Potassium	NS	NS	NS	NS	mg/kg	416	326	819 F1	555	461	407	3090	438	684
Metals	Silver	2	36	180	8.3	mg/kg	<0.36 U	<0.39 U	<0.43 U	<0.41 U	<0.44 U	<0.38 U	3.6	<0.36 U	<0.38 U
Metals	Sodium	NS	NS	NS	NS	mg/kg	248	226	260	210	161	103	4800	105	221
Metals	Thallium	NS	NS	NS	NS	mg/kg	<0.36 U	<0.39 U	0.053 J	<0.41 U	<0.44 U	<0.38 U	0.36 J	<0.36 U	<0.38 U
Metals	Antimony	NS	NS	NS	NS	mg/kg	<0.89 U	<0.97 U	0.38 JF1	0.18 J	<1.1 U	<0.94 U	1.1 J	<0.90 U	<0.95 U
Metals	Arsenic	13	16	16	16	mg/kg	1.7	1.6	1.8	1.9	2.0	1.7	45.1	1.9	1.9
Metals	Barium	350	350	400	820	mg/kg	11.2	7.7	22.0 F1	11.3	7.8	6.1	162	14.9	20.0
Metals	Beryllium	7.2	14	72	47	mg/kg	0.099 J	0.085 J	0.66	0.10 J	0.088 J	0.087 J	0.76	0.078 J	0.091 J
Metals	Cadmium	2.5	2.5	4.3	7.5	mg/kg	<0.89 U	<0.97 U	<1.1 U	<1.0 U	<1.1 U	<0.94 U	1.3 J	<0.90 U	<0.95 U
Metals	Total Chromium (see NOTE)	1 [30]	22 [36]	110 [180]	19 [NS]	mg/kg	5.6	4.7	12.9 F1	8.5	6.0	5.9	63.8	4.7	5.8
Metals	Cobalt	NS	NS	NS	NS	mg/kg	1.9	1.5 J	5.4 F1	1.9 J	2.0 J	1.6 J	9.7	1.6 J	2.0
Metals	Copper	50	270	270	1720	mg/kg	4.7	2.4	104	5.5	3.9	12.2	196	5.5	6.5
Metals	Vanadium	NS	NS	NS	NS	mg/kg	5.6	4.4	7.1	5.7	5.2	4.3	34.9	5.2	7.1
Metals	Zinc	109	2200	10000	2480	mg/kg	170	11.1	1090	22.7	18.0	10.3	334	24.1	21.3
Metals	Calcium	NS	NS	NS	NS	mg/kg	704	5780	5150	7860	1730	753	4000	3140	36900
Metals	Selenium	3.9	36	180	4	mg/kg	<1.1 U	<1.2 U	<1.4 U	<1.3 U	<1.4 U	<1.2 U	1.8	<1.1 U	<1.2 U
Metals	Mercury	0.18	0.81	0.81	0.73	mg/kg	0.078	0.016 J	0.026	0.011 J	0.014 J	<0.017 U	15.6	<0.016 U	0.020 B
OC Pest	Heptachlor epoxide	NS	NS	NS	NS	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Endosulfan sulfate	2.4	4.8	24	1000	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Aldrin	0.005	0.019	0.097	0.19	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Alpha-BHC	0.02	0.097	0.48	0.02	mg/kg	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	<0.0021 U	<0.0034 U	<0.0020 U	<0.0020 U
OC Pest	Beta-BHC	0.036	0.072	0.36	0.09	mg/kg	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	<0.0021 U	<0.0034 U	<0.0020 U	<0.0020 U
OC Pest	Delta-BHC	0.04	100	100	0.25	mg/kg	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	<0.0021 U	<0.0034 U	<0.0020 U	<0.0020 U
OC Pest	Endosulfan II	2.4	4.8	24	102	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	4,4-DDT	0.0033	1.7	7.9	136	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Endrin ketone	NS	NS	NS	NS	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Chlordane	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
OC Pest	Gamma-BHC	0.1	0.28	1.3	0.1	mg/kg	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	<0.0021 U	<0.0034 U	<0.0020 U	<0.0020 U
OC Pest	Dieldrin	0.005	0.039	0.2	0.1	mg/kg	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0024 U	<0.0021 U	<0.0034 U	<0.0020 U	<0.0020 U
OC Pest	Endrin	0.014	2.2	11	0.06	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Methoxychlor	NS	NS	NS	NS	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	4,4-DDD	0.0033	2.6	13	14	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	4,4-DDE	0.0033	1.8	8.9	17	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Endrin aldehyde	NS	NS	NS	NS	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Heptachlor	0.042	0.42	2.1	0.38	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U
OC Pest	Toxaphene	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
OC Pest	Endosulfan I	2.4	4.8	24	102	mg/kg	<0.0070 U	<0.0071 U	<0.0072 U	<0.0075 U	<0.0081 U	<0.0071 U	<0.011 U	<0.0067 U	<0.0069 U

						Sample Location	B-27	B-27	B-27	B-27	B-27	B-33	B-33	B-33	B-33
						Depth (ft bgs)	4-6	6-8	8-10	10-12	20-22	0-2	2-4	4-6	6-8
						Sample Date	6/27/2023	6/28/2023	6/28/2023	6/28/2023	6/28/2023	8/10/2023	8/10/2023	8/10/2023	8/10/2023
						Sample ID	B-27(4'-6')_062723	B-27(6'-8')_062823	B-27(8'-10')_062823	B-27(10'-12')_062823	B-27(20'-22')_062823	B-33(0'-2')-081023	B-33(2'-4')-081023	B-33(4'-6')-081023	B-33(6'-8')-081023
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 2	Reach 2	Reach 2	Reach 2
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
Metals	Aluminum	NS	NS	NS	NS	mg/kg	2570	1780	1860	2240	1210	5230	5990	5310	5950
Metals	Iron	NS	NS	NS	NS	mg/kg	4960	4760	4470	8890	3030	12300	14300	12100	13400
Metals	Lead	63	400	400	450	mg/kg	15.4	10.1	14.5	11.6	3.4	109	117	102	59.1
Metals	Magnesium	NS	NS	NS	NS	mg/kg	3650	1080	1050	1590	620	6050	10100	15900	13000
Metals	Manganese	1600	2000	2000	2000	mg/kg	92.3	69.0	84.3	105	31.5	182	236	198	211
Metals	Nickel	30	140	310	130	mg/kg	8.8	6.2	5.8	9.4	3.5	13.4	14.6	12.9	11.6
Metals	Potassium	NS	NS	NS	NS	mg/kg	540	505	453	550	350	1040	1340	1050	1040
Metals	Silver	2	36	180	8.3	mg/kg	<0.40 U	0.17 J	0.091 J	0.12 J	<0.40 U	0.12 J	0.098 J	<0.36 U	<0.33 U
Metals	Sodium	NS	NS	NS	NS	mg/kg	161	90.4	88.5 J	217	156	232	336	350	808
Metals	Thallium	NS	NS	NS	NS	mg/kg	<0.40 U	<0.34 U	<0.36 U	<0.40 U	<0.40 U	<0.35 U	0.039 J	<0.36 U	<0.33 U
Metals	Antimony	NS	NS	NS	NS	mg/kg	<0.99 U	<0.86 U	<0.90 U	<0.99 U	<0.99 U	0.67 J	0.93	0.86 J	0.44 J
Metals	Arsenic	13	16	16	16	mg/kg	26.9	2.0	2.4	2.2	1.6	4.1	4.9	4.2	4.3
Metals	Barium	350	350	400	820	mg/kg	19.2	11.7	12.8	18.6	9.3	67.3	80.9	73.3	54.2
Metals	Beryllium	7.2	14	72	47	mg/kg	0.12 J	0.10 J	0.099 J	0.12 J	0.060 J	0.28 J	0.31 J	0.27 J	0.23 J
Metals	Cadmium	2.5	2.5	4.3	7.5	mg/kg	<0.99 U	<0.86 U	<0.90 U	<0.99 U	<0.99 U	0.19 J	0.19 J	0.13 J	0.12 J
Metals	Total Chromium (see NOTE)	1 [30]	22 [36]	110 [180]	19 [NS]	mg/kg	23.0	8.8	7.5	44.6	5.8	14.2	15.7	13.0	13.9
Metals	Cobalt	NS	NS	NS	NS	mg/kg	2.3	1.8	1.9	2.4	1.3 J	4.3	4.9	4.2	5.1
Metals	Copper	50	270	270	1720	mg/kg	6.6	5.7	6.4	17.6	2.5	23.1	26.1	24.5	33.4
Metals	Vanadium	NS	NS	NS	NS	mg/kg	7.9	7.1	6.0	7.0	3.8	27.3	26.9	22.5	39.6
Metals	Zinc	109	2200	10000	2480	mg/kg	24.9	18.8	26.5	22.9	10.1	71.9	76.7	69.2	49.9
Metals	Calcium	NS	NS	NS	NS	mg/kg	21000	2570	2160	5620	350	34000	35100	62700	37100
Metals	Selenium	3.9	36	180	4	mg/kg	<1.2 U	<1.1 U	<1.1 U	<1.2 U	<1.2 U	0.20 J	0.17 J	0.15 J	0.13 J
Metals	Mercury	0.18	0.81	0.81	0.73	mg/kg	0.032 B	0.039 B	0.044 B	0.019 B	0.033 B	0.41	0.35	0.25	0.18
OC Pest	Heptachlor epoxide	NS	NS	NS	NS	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Endosulfan sulfate	2.4	4.8	24	1000	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Aldrin	0.005	0.019	0.097	0.19	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Alpha-BHC	0.02	0.097	0.48	0.02	mg/kg	<0.0021 U	<0.0021 U	<0.0021 U	<0.0023 U	<0.0026 U	<0.0022 U	<0.0022 U	<0.0023 U	<0.0022 U
OC Pest	Beta-BHC	0.036	0.072	0.36	0.09	mg/kg	<0.0021 U	<0.0021 U	<0.0021 U	<0.0023 U	<0.0026 U	<0.0022 U	<0.0022 U	<0.0023 U	<0.0022 U
OC Pest	Delta-BHC	0.04	100	100	0.25	mg/kg	<0.0021 U	<0.0021 U	<0.0021 U	<0.0023 U	<0.0026 U	<0.0022 U	<0.0022 U	<0.0023 U	<0.0022 U
OC Pest	Endosulfan II	2.4	4.8	24	102	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	4,4-DDT	0.0033	1.7	7.9	136	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Endrin ketone	NS	NS	NS	NS	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Chlordane	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.075 U	<0.075 U	<0.076 U	<0.073 U
OC Pest	Gamma-BHC	0.1	0.28	1.3	0.1	mg/kg	<0.0021 U	<0.0021 U	<0.0021 U	<0.0023 U	<0.0026 U	<0.0022 U	<0.0022 U	<0.0023 U	<0.0022 U
OC Pest	Dieldrin	0.005	0.039	0.2	0.1	mg/kg	<0.0021 U	<0.0021 U	<0.0021 U	<0.0023 U	<0.0026 U	<0.0022 U	<0.0022 U	<0.0023 U	<0.0022 U
OC Pest	Endrin	0.014	2.2	11	0.06	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Methoxychlor	NS	NS	NS	NS	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	4,4-DDD	0.0033	2.6	13	14	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	4,4-DDE	0.0033	1.8	8.9	17	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Endrin aldehyde	NS	NS	NS	NS	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Heptachlor	0.042	0.42	2.1	0.38	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U
OC Pest	Toxaphene	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.075 U	<0.075 U	<0.076 U	<0.073 U
OC Pest	Endosulfan I	2.4	4.8	24	102	mg/kg	<0.0070 U	<0.0069 U	<0.0072 U	<0.0077 U	<0.0086 U	<0.0075 U	<0.0075 U	<0.0076 U	<0.0073 U

						Sample Location	B-33	B-33	B-39	B-39	B-39	B-39A	B-39A	B-44	B-44
						Depth (ft bgs)	8-10	10-12	0-2	2-4	4-6	10-12	20-22	0-2	2-4
						Sample Date	8/10/2023	8/10/2023	9/5/2023	9/6/2023	9/6/2023	9/6/2023	9/6/2023	7/25/2023	7/25/2023
						Sample ID	B-33(8'-10')-081023	B-33(10'-12')-081023	B-39(0-2)-090523	B-39(2-4)-090623	B-39(4-6)-090623	B-39A (10'-12')-090623	B-39A (20'-22')-090623	B-44 (0-2)-072523	B-44 (2-4)-072523
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 2	Reach 2	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
Metals	Aluminum	NS	NS	NS	NS	mg/kg	5310	4810	7620	6690	7230	3640	9670	10100	7510
Metals	Iron	NS	NS	NS	NS	mg/kg	9960	7860	11700	15500	12600	21800	12900	11500	12700
Metals	Lead	63	400	400	450	mg/kg	44.4	32.4	53.6	90.2	82.9	38.6	12.2	78.3	164
Metals	Magnesium	NS	NS	NS	NS	mg/kg	34100	47900	19000	7570	10500	2440	3030	4080	5160
Metals	Manganese	1600	2000	2000	2000	mg/kg	170	134	207	217	205	424	436	403	279
Metals	Nickel	30	140	310	130	mg/kg	9.0	15.6	17.4	14.6	15.2	18.1	9.3	16.7	14.4
Metals	Potassium	NS	NS	NS	NS	mg/kg	880	2110	2110	2030	2090	904	1230	1260	1610
Metals	Silver	2	36	180	8.3	mg/kg	<0.36 U	<0.39 U	0.099 J	0.16 J	0.13 J	<0.32 U	<0.34 U	0.10 J	0.14 J
Metals	Sodium	NS	NS	NS	NS	mg/kg	1160	924	653	635	619	787	3480	238	196
Metals	Thallium	NS	NS	NS	NS	mg/kg	0.048 J	0.076 J	0.12 J	0.11 J	0.12 J	0.068 J	0.059 J	<0.42 U	<0.41 U
Metals	Antimony	NS	NS	NS	NS	mg/kg	0.31 J	0.39 J	0.14 J	0.45 J	0.34 J	0.41 J	0.26 J	0.21 J	0.26 J
Metals	Arsenic	13	16	16	16	mg/kg	4.7	4.7	3.3	4.5	3.3	5.0	4.7	10.4	5.1
Metals	Barium	350	350	400	820	mg/kg	40.3	30.8	79.3	80.9	88.4	30.7	24.8	83.0	93.0
Metals	Beryllium	7.2	14	72	47	mg/kg	0.24 J	0.26 J	0.30 J	0.28 J	0.30 J	0.28 J	0.46	0.58	0.34 J
Metals	Cadmium	2.5	2.5	4.3	7.5	mg/kg	0.11 J	<0.98 U	0.23 J	0.16 J	0.22 J	<0.79 U	<0.85 U	0.21 J	0.24 J
Metals	Total Chromium (see NOTE)	1 [30]	22 [36]	110 [180]	19 [NS]	mg/kg	14.7	15.1	28.8	18.5	20.8	11.6	11.6	13.5	15.2
Metals	Cobalt	NS	NS	NS	NS	mg/kg	3.5	3.0	5.4	6.0	5.7	4.8	4.3	4.9	4.9
Metals	Copper	50	270	270	1720	mg/kg	22.3	10.8	22.0	31.9	28.2	38.4	7.8	24.2	22.8
Metals	Vanadium	NS	NS	NS	NS	mg/kg	22.6	16.2	34.2	25.9	34.1	19.2	20.4	20.8	21.4
Metals	Zinc	109	2200	10000	2480	mg/kg	39.7	28.8	54.9	60.1	68.1	22.6	29.1	90.3	108
Metals	Calcium	NS	NS	NS	NS	mg/kg	61500	110000	64200	36300	45500	6160	9660	19500	23400
Metals	Selenium	3.9	36	180	4	mg/kg	<1.1 U	<1.2 U	0.19 J	0.21 J	0.27 J	0.12 J	0.12 J	0.39 J	0.26 J
Metals	Mercury	0.18	0.81	0.81	0.73	mg/kg	0.14	0.11	0.13	0.40	0.28	0.22	0.079	0.15	0.23
OC Pest	Heptachlor epoxide	NS	NS	NS	NS	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	Endosulfan sulfate	2.4	4.8	24	1000	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	Aldrin	0.005	0.019	0.097	0.19	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	Alpha-BHC	0.02	0.097	0.48	0.02	mg/kg	<0.0023 U	<0.0024 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0023 U
OC Pest	Beta-BHC	0.036	0.072	0.36	0.09	mg/kg	<0.0023 U	<0.0024 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0023 U
OC Pest	Delta-BHC	0.04	100	100	0.25	mg/kg	<0.0023 U	<0.0024 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0023 U
OC Pest	Endosulfan II	2.4	4.8	24	102	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	4,4-DDT	0.0033	1.7	7.9	136	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	0.0017 Jp	<0.0070 U	<0.0074 U	0.075	0.021
OC Pest	Endrin ketone	NS	NS	NS	NS	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	Chlordane	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	0.069 J	0.071 J
OC Pest	Gamma-BHC	0.1	0.28	1.3	0.1	mg/kg	<0.0023 U	<0.0024 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0023 U
OC Pest	Dieldrin	0.005	0.039	0.2	0.1	mg/kg	<0.0023 U	<0.0024 U	<0.0020 U	<0.0020 U	<0.0021 U	<0.0021 U	<0.0022 U	<0.0023 U	<0.0023 U
OC Pest	Endrin	0.014	2.2	11	0.06	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	Methoxychlor	NS	NS	NS	NS	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	4,4-DDD	0.0033	2.6	13	14	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	0.0052 J	<0.0078 U
OC Pest	4,4-DDE	0.0033	1.8	8.9	17	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	0.039	0.013
OC Pest	Endrin aldehyde	NS	NS	NS	NS	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	Heptachlor	0.042	0.42	2.1	0.38	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U
OC Pest	Toxaphene	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
OC Pest	Endosulfan I	2.4	4.8	24	102	mg/kg	<0.0076 U	<0.0082 U	<0.0068 U	<0.0068 U	<0.0069 U	<0.0070 U	<0.0074 U	<0.0078 U	<0.0078 U

						Sample Location	B-44	B-44	B-44
						Depth (ft bgs)	4-6	4-6	20-22
						Sample Date	7/25/2023	7/25/2023	7/26/2023
						Sample ID	B-44 (4-6)-072523	DUP-SOIL-072523	B-44 (20-22)-072623
						Sample Type	Soil	Soil Duplicate	Soil
						Reach	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit			
Metals	Aluminum	NS	NS	NS	NS	mg/kg	7780	7170	2940
Metals	Iron	NS	NS	NS	NS	mg/kg	15000 F2	15400	6360
Metals	Lead	63	400	400	450	mg/kg	393 F2	364	3.1
Metals	Magnesium	NS	NS	NS	NS	mg/kg	6550	4410	1360
Metals	Manganese	1600	2000	2000	2000	mg/kg	359 F2	363	343
Metals	Nickel	30	140	310	130	mg/kg	17.6 F1	16.0	14.1
Metals	Potassium	NS	NS	NS	NS	mg/kg	1610 F1	1290	872
Metals	Silver	2	36	180	8.3	mg/kg	0.14 J	0.12 J	<0.39 U
Metals	Sodium	NS	NS	NS	NS	mg/kg	242	262	138
Metals	Thallium	NS	NS	NS	NS	mg/kg	<0.46 U	<0.42 U	<0.39 U
Metals	Antimony	NS	NS	NS	NS	mg/kg	0.28 JF1F2	0.30 J	<0.97 U
Metals	Arsenic	13	16	16	16	mg/kg	5.2	5.5	0.67 J
Metals	Barium	350	350	400	820	mg/kg	204	186	42.3
Metals	Beryllium	7.2	14	72	47	mg/kg	0.36 J	0.33 J	0.27 J
Metals	Cadmium	2.5	2.5	4.3	7.5	mg/kg	0.46 JF2F1	0.59 J	<0.97 U
Metals	Total Chromium (see NOTE)	1 [30]	22 [36]	110 [180]	19 [NS]	mg/kg	16.1	14.5	12.3
Metals	Cobalt	NS	NS	NS	NS	mg/kg	5.2 F2F1	4.8	2.8
Metals	Copper	50	270	270	1720	mg/kg	35.2 F1F2	25.3	7.1
Metals	Vanadium	NS	NS	NS	NS	mg/kg	22.3	19.9	9.4
Metals	Zinc	109	2200	10000	2480	mg/kg	218 F1F2	267	10.7
Metals	Calcium	NS	NS	NS	NS	mg/kg	19700	20700	657
Metals	Selenium	3.9	36	180	4	mg/kg	0.28 J	0.21 J	<1.2 U
Metals	Mercury	0.18	0.81	0.81	0.73	mg/kg	0.32	0.30	<0.018 U
OC Pest	Heptachlor epoxide	NS	NS	NS	NS	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	Endosulfan sulfate	2.4	4.8	24	1000	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	Aldrin	0.005	0.019	0.097	0.19	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	Alpha-BHC	0.02	0.097	0.48	0.02	mg/kg	<0.0023 U	<0.0022 U	<0.0022 U
OC Pest	Beta-BHC	0.036	0.072	0.36	0.09	mg/kg	<0.0023 U	<0.0022 U	<0.0022 U
OC Pest	Delta-BHC	0.04	100	100	0.25	mg/kg	<0.0023 U	<0.0022 U	<0.0022 U
OC Pest	Endosulfan II	2.4	4.8	24	102	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	4,4-DDT	0.0033	1.7	7.9	136	mg/kg	0.0057 J	0.0076	<0.0074 U
OC Pest	Endrin ketone	NS	NS	NS	NS	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	Chlordane	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
OC Pest	Gamma-BHC	0.1	0.28	1.3	0.1	mg/kg	<0.0023 U	<0.0022 U	<0.0022 U
OC Pest	Dieldrin	0.005	0.039	0.2	0.1	mg/kg	<0.0023 U	<0.0022 U	<0.0022 U
OC Pest	Endrin	0.014	2.2	11	0.06	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	Methoxychlor	NS	NS	NS	NS	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	4,4-DDD	0.0033	2.6	13	14	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	4,4-DDE	0.0033	1.8	8.9	17	mg/kg	0.0032 J	0.0039 J	<0.0074 U
OC Pest	Endrin aldehyde	NS	NS	NS	NS	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	Heptachlor	0.042	0.42	2.1	0.38	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U
OC Pest	Toxaphene	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
OC Pest	Endosulfan I	2.4	4.8	24	102	mg/kg	<0.0077 U	<0.0075 U	<0.0074 U

						Sample Location	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-5
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	10-12	35-37	40-52
						Sample Date	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/28/2023	6/22/2023
						Sample ID	SB-3(0-2)-062723	DUP-SOIL-062723	SB-3(2-4)-062723	SB-3(4-6)-062723	SB-3(6-8)-062723	SB-3(8-10)-062723	SB-3(10-12)-062723	B-3(35-37)_062823	B-5(40'-52')_06222023
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
PCBs	Aroclor 1260	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	0.24
PCBs	Aroclor 1254	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	<0.11 U
PCBs	Aroclor 1268	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	<0.11 U
PCBs	Aroclor 1221	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	<0.11 U
PCBs	Aroclor 1232	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	<0.11 U
PCBs	Aroclor 1248	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	0.45
PCBs	Aroclor 1016	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	<0.11 U
PCBs	Total Polychlorinated biphenyls	0.1	1	1	3.2	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	0.69
PCBs	Aroclor 1262	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	<0.11 U
PCBs	Aroclor 1242	NS	NS	NS	NS	mg/kg	<0.075 U	<0.072 U	<0.071 U	<0.074 U	<0.069 U	<0.074 U	<0.075 U	<0.081 U	<0.11 U
SVOCs	4-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	4-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.75 U	<0.73 U	<0.71 U	<0.73 U	<0.69 U	<0.73 U	<0.76 U	<0.81 U	<1.1 U
SVOCs	Benzaldehyde	NS	NS	NS	NS	mg/kg	<0.37 U*1	<0.36 U*1	<0.35 U*1F2	<0.36 U*1	<0.34 U*1	<0.36 U*1	<0.37 U*1	<0.40 U	<0.56 U
SVOCs	4-Bromophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Caprolactam	NS	NS	NS	NS	mg/kg	<0.37 U*1	<0.36 U*1	<0.35 U*1F2	<0.36 U*1	<0.34 U*1	<0.36 U*1	<0.37 U*1	<0.40 U	<0.56 U
SVOCs	2,4-Dimethylphenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	4-Methylphenol	0.33	34	100	0.33	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.21 J
SVOCs	p-Chloroaniline	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Phenol	0.33	100	100	0.33	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	bis(2-Chloroethyl)ether	NS	NS	NS	NS	mg/kg	<0.037 U	<0.036 U	<0.035 U	<0.036 U	<0.034 U	<0.036 U	<0.037 U	<0.040 U	<0.056 U
SVOCs	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.43 J
SVOCs	Di-n-octyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Hexachlorobenzene	0.33	0.33	1.2	3.2	mg/kg	<0.037 U	<0.036 U	<0.035 U	<0.036 U	<0.034 U	<0.036 U	<0.037 U	<0.040 U	<0.056 U
SVOCs	Anthracene	100	100	100	1000	mg/kg	0.017 J	0.016 J	0.028 J	0.013 J	<0.34 U	<0.36 U	<0.37 U	<0.40 U	1
SVOCs	2,4-Dichlorophenol	NS	NS	NS	NS	mg/kg	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.14 U	<0.15 U	<0.15 U	<0.16 U	<0.22 U
SVOCs	2,4-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.075 U	<0.073 U	<0.071 U	<0.073 U	<0.069 U	<0.073 U	<0.076 U	<0.081 U	<0.11 U
SVOCs	Pyrene	100	100	100	1000	mg/kg	0.18 J	0.13 J	0.17 J	0.10 J	<0.34 U	<0.36 U	<0.37 U	<0.40 U	2.4
SVOCs	Dimethyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Dibenzofuran	7	14	59	210	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.26 J
SVOCs	Atrazine	NS	NS	NS	NS	mg/kg	<0.15 U*1	<0.14 U*1	<0.14 U*1F1F2	<0.15 U*1	<0.14 U*1	<0.15 U*1	<0.15 U*1	<0.16 U	<0.22 U
SVOCs	Benzo(g,h,i)perylene	100	100	100	1000	mg/kg	0.093 J	0.13 J	0.074 J	0.046 J	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.61
SVOCs	Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.096	0.13	0.080	0.056	<0.034 U	<0.036 U	<0.037 U	<0.040 U	0.75
SVOCs	Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.15	0.13	0.11	0.067	<0.034 U	<0.036 U	<0.037 U	<0.040 U	1.3
SVOCs	Fluoranthene	100	100	100	1000	mg/kg	0.16 J	0.11 J	0.15 J	0.098 J	<0.34 U	<0.36 U	<0.37 U	<0.40 U	2.8
SVOCs	Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.067	0.048	0.047	0.037	<0.034 U	<0.036 U	<0.037 U	<0.040 U	0.53
SVOCs	Acenaphthylene	100	100	100	107	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.058 J
SVOCs	Chrysene	1	1	3.9	1	mg/kg	0.11 J	0.083 J	0.092 J	0.058 J	<0.34 U	<0.36 U	<0.37 U	<0.40 U	1.3
SVOCs	Benzo(a)pyrene	1	1	1	22	mg/kg	0.13	0.13	0.097	0.060	<0.034 U	<0.036 U	<0.037 U	<0.040 U	1.2
SVOCs	2,4-Dinitrophenol	NS	NS	NS	NS	mg/kg	<0.30 U	<0.29 U	<0.28 U	<0.29 U	<0.27 U	<0.29 U	<0.30 U	<0.32 U	<0.45 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NS	NS	NS	mg/kg	<0.30 U	<0.29 U	<0.28 U	<0.29 U	<0.27 U	<0.29 U	<0.30 U	<0.32 U	<0.45 U
SVOCs	Dibenz(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	0.026 J	0.030 J	0.021 J	<0.036 U	<0.034 U	<0.036 U	<0.037 U	<0.040 U	0.22
SVOCs	Benz(a)anthracene	1	1	1	1	mg/kg	0.12	0.077	0.099	0.060	<0.034 U	<0.036 U	<0.037 U	<0.040 U	1.3

						Sample Location	B-9	B-9	B-9	B-9	B-9	B-9	B-14	B-14	B-14	B-19
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	0-2	2-4	4-6	0-2
						Sample Date	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/9/2023	8/9/2023	8/9/2023	8/14/2023
						Sample ID	B-9 (0-2)-083023	B-9 (2-4)-083023	DUP-083023	B-9 (4-6)-083023	B-9 (6-8)-083023	B-9 (8-10)-083023	B-14 (0-2)-080923	B-14(2-4)-080923	B-14 (4-6)-080923	B-19(0-2)-081423
						Sample Type	Soil	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 5	Reach 5	Reach 5	Reach 4
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit										
PCBs	Aroclor 1260	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Aroclor 1254	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Aroclor 1268	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Aroclor 1221	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Aroclor 1232	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Aroclor 1248	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Aroclor 1016	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Total Polychlorinated biphenyls	0.1	1	1	3.2	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Aroclor 1262	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
PCBs	Aroclor 1242	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.068 U	<0.068 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.069 U
SVOCs	4-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	4-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.67 U	<0.71 U	<0.71 U	<0.67 U	<0.67 U	<0.67 U	<0.73 U	<0.68 U	<0.72 U	<0.70 U
SVOCs	Benzaldehyde	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	4-Bromophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Caprolactam	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	2,4-Dimethylphenol	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	4-Methylphenol	0.33	34	100	0.33	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	p-Chloroaniline	NS	NS	NS	NS	mg/kg	<0.33 U*1	<0.35 U*1F2	<0.35 U*1	<0.33 U*1	<0.33 U*1	<0.33 U*1	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Phenol	0.33	100	100	0.33	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	bis(2-Chloroethyl)ether	NS	NS	NS	NS	mg/kg	<0.033 U	<0.035 U	<0.035 U	<0.033 U	<0.033 U	<0.033 U	<0.036 U	<0.034 U	<0.035 U	<0.034 U
SVOCs	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	0.025 J
SVOCs	Di-n-octyl phthalate	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Hexachlorobenzene	0.33	0.33	1.2	3.2	mg/kg	<0.033 U	<0.035 U	<0.035 U	<0.033 U	<0.033 U	<0.033 U	<0.036 U	<0.034 U	<0.035 U	<0.034 U
SVOCs	Anthracene	100	100	100	1000	mg/kg	<0.33 U	<0.35 U	0.10 J	<0.33 U	<0.33 U	<0.33 U	0.012 J	<0.34 U	<0.35 U	0.031 J
SVOCs	2,4-Dichlorophenol	NS	NS	NS	NS	mg/kg	<0.13 U	<0.14 U	<0.14 U	<0.13 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U
SVOCs	2,4-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.067 U	<0.067 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.070 U
SVOCs	Pyrene	100	100	100	1000	mg/kg	0.030 J	0.069 J	0.82	0.076 J	0.052 J	0.034 J	0.13 J	<0.34 U	<0.35 U	0.27 J
SVOCs	Dimethyl phthalate	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Dibenzofuran	7	14	59	210	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Atrazine	NS	NS	NS	NS	mg/kg	<0.13 U*+	<0.14 U*+	<0.14 U*+	<0.13 U*+	<0.13 U*+	<0.13 U*+	<0.14 U	<0.14 U	<0.14 U	<0.14 U
SVOCs	Benzo(g,h,i)perylene	100	100	100	1000	mg/kg	0.015 J	0.034 J	0.22 J	0.042 J	0.039 J	0.013 J	0.065 J	<0.34 U	<0.35 U	0.089 J
SVOCs	Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.016 J	0.038	0.23	0.037	0.034	0.015 J	0.068	<0.034 U	<0.035 U	0.10
SVOCs	Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.025 J	0.058	0.39	0.059	0.047	0.026 J	0.11	<0.034 U	<0.035 U	0.16
SVOCs	Fluoranthene	100	100	100	1000	mg/kg	0.028 J	0.064 J	0.80	0.070 J	0.054 J	0.035 J	0.13 J	<0.34 U	<0.35 U	0.27 J
SVOCs	Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.0081 J	0.019 J	0.13	0.020 J	0.016 J	0.0090 J	0.041	<0.034 U	<0.035 U	0.062
SVOCs	Acenaphthylene	100	100	100	107	mg/kg	<0.33 U	<0.35 U	0.011 J	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	0.011 J
SVOCs	Chrysene	1	1	3.9	1	mg/kg	0.019 J	0.042 J	0.37	0.046 J	0.031 J	0.017 J	0.081 J	<0.34 U	<0.35 U	0.14 J
SVOCs	Benzo(a)pyrene	1	1	1	22	mg/kg	0.021 J	0.048	0.34	0.056	0.046	0.020 J	0.091	<0.034 U	<0.035 U	0.13
SVOCs	2,4-Dinitrophenol	NS	NS	NS	NS	mg/kg	<0.27 U	<0.28 U	<0.28 U	<0.27 U	<0.27 U	<0.27 U	<0.29 U	<0.27 U	<0.28 U	<0.28 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NS	NS	NS	mg/kg	<0.27 U	<0.28 U	<0.28 U	<0.27 U	<0.27 U	<0.27 U	<0.29 U	<0.27 U	<0.28 U	<0.28 U
SVOCs	Dibenz(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	<0.033 U	<0.035 U	0.049	<0.033 U	<0.033 U	<0.033 U	0.020 J	<0.034 U	<0.035 U	0.022 J
SVOCs	Benz(a)anthracene	1	1	1	1	mg/kg	<0.033 U	0.045	0.37	0.049	0.035	0.026 J	0.082	<0.034 U	<0.035 U	0.14

						Sample Location	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-22
						Depth (ft bgs)	2-4	2-4	4-6	6-8	8-10	10-12	20-22	65-67	0-2
						Sample Date	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/16/2023	7/17/2023
						Sample ID	B-19(2-4)-081423	DUP081423 SOLID	B-19(4-6)-081423	B-19(6-8)-081423	B-19(8-10)-081423	B-19(10-12)-081423	B-19(20-22)-081423	B-19 (65-67)-081623	B-22(0-2)-071723
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
PCBs	Aroclor 1260	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
PCBs	Aroclor 1254	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
PCBs	Aroclor 1268	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
PCBs	Aroclor 1221	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
PCBs	Aroclor 1232	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
PCBs	Aroclor 1248	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	0.095	<0.071 U
PCBs	Aroclor 1016	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
PCBs	Total Polychlorinated biphenyls	0.1	1	1	3.2	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	0.095	<0.071 U
PCBs	Aroclor 1262	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
PCBs	Aroclor 1242	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.068 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.071 U
SVOCs	4-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	4-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.69 U	<0.68 U	<0.67 U	<0.67 U	<0.67 U	<0.69 U	<0.70 U	<0.82 U	<0.70 U
SVOCs	Benzaldehyde	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	4-Bromophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Caprolactam	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	2,4-Dimethylphenol	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	4-Methylphenol	0.33	34	100	0.33	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.15 J	<0.35 U
SVOCs	p-Chloroaniline	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Phenol	0.33	100	100	0.33	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	bis(2-Chloroethyl)ether	NS	NS	NS	NS	mg/kg	<0.034 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.040 U	<0.035 U
SVOCs	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	mg/kg	<0.34 U	0.026 J	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.76	<0.35 U
SVOCs	Di-n-octyl phthalate	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Hexachlorobenzene	0.33	0.33	1.2	3.2	mg/kg	<0.034 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.040 U	<0.035 U
SVOCs	Anthracene	100	100	100	1000	mg/kg	0.040 J	0.074 J	0.017 J	<0.33 U	<0.33 U	0.012 J	<0.34 U	0.74	<0.35 U
SVOCs	2,4-Dichlorophenol	NS	NS	NS	NS	mg/kg	<0.14 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.16 U	<0.14 U
SVOCs	2,4-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.067 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.070 U
SVOCs	Pyrene	100	100	100	1000	mg/kg	0.20 J	0.27 J	0.13 J	<0.33 U	<0.33 U	0.071 J	<0.34 U	2.3	0.076 J
SVOCs	Dimethyl phthalate	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Dibenzofuran	7	14	59	210	mg/kg	0.014 J	0.040 J	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.11 J	<0.35 U
SVOCs	Atrazine	NS	NS	NS	NS	mg/kg	<0.14 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.16 U*+	<0.14 U
SVOCs	Benzo(g,h,i)perylene	100	100	100	1000	mg/kg	0.046 J	0.080 J	0.051 J	<0.33 U	<0.33 U	0.022 J	<0.34 U	0.55	0.044 J
SVOCs	Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.056	0.099	0.056	<0.033 U	<0.033 U	0.024 J	<0.034 U	0.55	0.044
SVOCs	Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.12	0.16	0.085	<0.033 U	<0.033 U	0.042	<0.034 U	1.0	0.062
SVOCs	Fluoranthene	100	100	100	1000	mg/kg	0.23 J	0.28 J	0.13 J	<0.33 U	<0.33 U	0.077 J	<0.34 U	1.4	0.071 J
SVOCs	Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.052	0.063	0.033	<0.033 U	<0.033 U	0.017 J	<0.034 U	0.35	0.029 J
SVOCs	Acenaphthylene	100	100	100	107	mg/kg	<0.34 U	0.011 J	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.31 J	<0.35 U
SVOCs	Chrysene	1	1	3.9	1	mg/kg	0.11 J	0.14 J	0.074 J	<0.33 U	<0.33 U	0.036 J	<0.34 U	1.1	0.047 J
SVOCs	Benzo(a)pyrene	1	1	1	22	mg/kg	0.11	0.14	0.079	<0.033 U	<0.033 U	0.037	<0.034 U	1.1	0.053
SVOCs	2,4-Dinitrophenol	NS	NS	NS	NS	mg/kg	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.28 U	<0.33 U	<0.28 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NS	NS	NS	mg/kg	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.28 U	<0.33 U	<0.28 U
SVOCs	Dibenz(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	0.015 J	0.025 J	0.014 J	<0.033 U	<0.033 U	<0.034 U	<0.034 U	0.15	<0.035 U
SVOCs	Benz(a)anthracene	1	1	1	1	mg/kg	0.12	0.14	0.076	<0.033 U	<0.033 U	0.041	<0.034 U	1.1	0.047

						Sample Location	B-22	B-22	B-22	B-22	B-22	B-22	B-22	B-27	B-27
						Depth (ft bgs)	2-4	4-6	6-8	8-10	10-12	20-22	59-61	0-2	2-4
						Sample Date	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/18/2023	6/27/2023	6/27/2023
						Sample ID	B-22(2-4)-071723	B-22(4-6)-071723	B-22(6-8)-071723	B-22(8-10)-071723	B-22(10-12)-071723	B-22(20-22)-071723	B-22(59-61)-071823	B-27(0'-2')_062723	B-27(2'-4')_062723
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
PCBs	Aroclor 1260	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Aroclor 1254	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Aroclor 1268	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Aroclor 1221	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Aroclor 1232	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Aroclor 1248	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Aroclor 1016	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Total Polychlorinated biphenyls	0.1	1	1	3.2	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Aroclor 1262	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
PCBs	Aroclor 1242	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.075 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.069 U
SVOCs	4-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	4-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.70 U	<0.71 U	<0.72 U	<0.76 U	<0.81 U	<0.71 U	<1.1 U	<0.67 U	<0.68 U
SVOCs	Benzaldehyde	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	4-Bromophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Caprolactam	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	2,4-Dimethylphenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	4-Methylphenol	0.33	34	100	0.33	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	0.78	<0.33 U	<0.34 U
SVOCs	p-Chloroaniline	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Phenol	0.33	100	100	0.33	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	bis(2-Chloroethyl)ether	NS	NS	NS	NS	mg/kg	<0.035 U	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	<0.056 U	<0.033 U	<0.034 U
SVOCs	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	0.084 J	<0.40 U	<0.35 U	<0.56 U	<0.33 U	0.032 J
SVOCs	Di-n-octyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	0.026 J	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Hexachlorobenzene	0.33	0.33	1.2	3.2	mg/kg	<0.035 U	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	<0.056 U	<0.033 U	<0.034 U
SVOCs	Anthracene	100	100	100	1000	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	4.2	<0.33 U	<0.34 U
SVOCs	2,4-Dichlorophenol	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.23 U	<0.13 U	<0.14 U
SVOCs	2,4-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.076 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.068 U
SVOCs	Pyrene	100	100	100	1000	mg/kg	0.17 J	<0.35 U	0.021 J	0.023 J	0.042 J	0.0095 J	8.6	0.032 J	0.041 J
SVOCs	Dimethyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Dibenzofuran	7	14	59	210	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	0.36 J	<0.33 U	<0.34 U
SVOCs	Atrazine	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.23 U	<0.13 U	<0.14 U
SVOCs	Benzo(g,h,i)perylene	100	100	100	1000	mg/kg	0.090 J	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	1.1	0.011 J	0.022 J
SVOCs	Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.11	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	1.2	0.030 J	0.042
SVOCs	Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.15	<0.035 U	0.014 J	0.010 J	0.019 J	<0.035 U	2.8	0.023 J	0.034
SVOCs	Fluoranthene	100	100	100	1000	mg/kg	0.19 J	<0.35 U	0.017 J	0.023 J	0.040 J	<0.35 U	6.2	0.032 J	0.045 J
SVOCs	Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.060	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	0.93	0.010 J	0.015 J
SVOCs	Acenaphthylene	100	100	100	107	mg/kg	0.017 J	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	0.85	<0.33 U	<0.34 U
SVOCs	Chrysene	1	1	3.9	1	mg/kg	0.12 J	<0.35 U	<0.36 U	<0.37 U	0.027 J	<0.35 U	4.1	0.024 J	0.025 J
SVOCs	Benzo(a)pyrene	1	1	1	22	mg/kg	0.13	<0.035 U	0.013 J	<0.037 U	0.017 J	<0.035 U	3.2	0.019 J	0.030 J
SVOCs	2,4-Dinitrophenol	NS	NS	NS	NS	mg/kg	<0.28 U	<0.28 U	<0.29 U	<0.30 U	<0.32 U	<0.28 U	<0.45 U	<0.27 U	<0.27 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NS	NS	NS	mg/kg	<0.28 U	<0.28 U	<0.29 U	<0.30 U	<0.32 U	<0.28 U	<0.45 U	<0.27 U	<0.27 U
SVOCs	Dibenz(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	<0.035 U	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	0.33	<0.033 U	<0.034 U
SVOCs	Benz(a)anthracene	1	1	1	1	mg/kg	0.11	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	3.7	0.027 J	0.031 J

						Sample Location	B-27	B-27	B-27	B-27	B-27	B-33	B-33	B-33	B-33
						Depth (ft bgs)	4-6	6-8	8-10	10-12	20-22	0-2	2-4	4-6	6-8
						Sample Date	6/27/2023	6/28/2023	6/28/2023	6/28/2023	6/28/2023	8/10/2023	8/10/2023	8/10/2023	8/10/2023
						Sample ID	B-27(4'-6')_062723	B-27(6'-8')_062823	B-27(8'-10')_062823	B-27(10'-12')_062823	B-27(20'-22')_062823	B-33(0'-2')-081023	B-33(2'-4')-081023	B-33(4'-6')-081023	B-33(6'-8')-081023
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 2	Reach 2	Reach 2	Reach 2
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
PCBs	Aroclor 1260	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Aroclor 1254	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Aroclor 1268	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Aroclor 1221	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Aroclor 1232	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Aroclor 1248	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Aroclor 1016	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Total Polychlorinated biphenyls	0.1	1	1	3.2	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Aroclor 1262	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
PCBs	Aroclor 1242	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.077 U	<0.086 U	<0.074 U	<0.075 U	<0.075 U	<0.073 U
SVOCs	4-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	4-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.70 U	<0.69 U	<0.72 U	<0.78 U	<0.86 U	<0.74 U	<0.75 U	<0.76 U	<0.73 U
SVOCs	Benzaldehyde	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	4-Bromophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Caprolactam	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	2,4-Dimethylphenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	4-Methylphenol	0.33	34	100	0.33	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	p-Chloroaniline	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Phenol	0.33	100	100	0.33	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	bis(2-Chloroethyl)ether	NS	NS	NS	NS	mg/kg	<0.035 U	<0.034 U	<0.035 U	<0.038 U	<0.043 U	<0.037 U	<0.037 U	<0.037 U	<0.036 U
SVOCs	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	0.050 J	0.029 J	0.026 J	<0.43 U	<0.37 U	<0.37 U	<0.37 U	0.037 J
SVOCs	Di-n-octyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Hexachlorobenzene	0.33	0.33	1.2	3.2	mg/kg	<0.035 U	<0.034 U	<0.035 U	<0.038 U	<0.043 U	<0.037 U	<0.037 U	<0.037 U	<0.036 U
SVOCs	Anthracene	100	100	100	1000	mg/kg	<0.35 U	0.077 J	<0.35 U	<0.38 U	<0.43 U	0.22 J	0.12 J	0.20 J	0.11 J
SVOCs	2,4-Dichlorophenol	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.17 U	<0.15 U	<0.15 U	<0.15 U	<0.14 U
SVOCs	2,4-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.078 U	<0.086 U	<0.074 U	<0.075 U	<0.076 U	<0.073 U
SVOCs	Pyrene	100	100	100	1000	mg/kg	0.042 J	0.26 J	0.031 J	0.010 J	<0.43 U	1.5	1.1	1.2	0.65
SVOCs	Dimethyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Dibenzofuran	7	14	59	210	mg/kg	<0.35 U	0.027 J	<0.35 U	<0.38 U	<0.43 U	0.038 J	0.022 J	0.056 J	0.025 J
SVOCs	Atrazine	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.17 U	<0.15 U	<0.15 U	<0.15 U	<0.14 U
SVOCs	Benzo(g,h,i)perylene	100	100	100	1000	mg/kg	0.023 J	0.062 J	0.014 J	<0.38 U	<0.43 U	0.39	0.32 J	0.31 J	0.18 J
SVOCs	Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.046	0.091	0.036	0.027 J	<0.043 U	0.47	0.38	0.40	0.22
SVOCs	Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.037	0.13	0.023 J	<0.038 U	<0.043 U	1.0	0.81	0.81	0.47
SVOCs	Fluoranthene	100	100	100	1000	mg/kg	0.043 J	0.29 J	0.033 J	<0.38 U	<0.43 U	1.5	1.0	1.3	0.69
SVOCs	Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.012 J	0.061	0.010 J	<0.038 U	<0.043 U	0.38	0.31	0.31	0.17
SVOCs	Acenaphthylene	100	100	100	107	mg/kg	<0.35 U	0.011 J	<0.35 U	<0.38 U	<0.43 U	0.043 J	0.034 J	0.026 J	0.020 J
SVOCs	Chrysene	1	1	3.9	1	mg/kg	0.028 J	0.13 J	0.018 J	<0.38 U	<0.43 U	0.75	0.63	0.64	0.35 J
SVOCs	Benzo(a)pyrene	1	1	1	22	mg/kg	0.032 J	0.12	0.022 J	<0.038 U	<0.043 U	0.90	0.70	0.71	0.39
SVOCs	2,4-Dinitrophenol	NS	NS	NS	NS	mg/kg	<0.28 U	<0.27 U	<0.29 U	<0.31 U	<0.34 U	<0.30 U	<0.30 U	<0.30 U	<0.29 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NS	NS	NS	mg/kg	<0.28 U	<0.27 U	<0.29 U	<0.31 U	<0.34 U	<0.30 U	<0.30 U	<0.30 U	<0.29 U
SVOCs	Dibenz(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	<0.035 U	0.020 J	<0.035 U	<0.038 U	<0.043 U	0.11	0.096	0.12	0.051
SVOCs	Benz(a)anthracene	1	1	1	1	mg/kg	0.033 J	0.14	<0.035 U	<0.038 U	<0.043 U	0.79	0.62	0.64	0.37

						Sample Location	B-33	B-33	B-39	B-39	B-39	B-39A	B-39A	B-44	B-44
						Depth (ft bgs)	8-10	10-12	0-2	2-4	4-6	10-12	20-22	0-2	2-4
						Sample Date	8/10/2023	8/10/2023	9/5/2023	9/6/2023	9/6/2023	9/6/2023	9/6/2023	7/25/2023	7/25/2023
						Sample ID	B-33(8'-10')-081023	B-33(10'-12')-081023	B-39(0-2)-090523	B-39(2-4)-090623	B-39(4-6)-090623	B-39A (10'-12')-090623	B-39A (20'-22')-090623	B-44 (0-2)-072523	B-44 (2-4)-072523
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 2	Reach 2	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
PCBs	Aroclor 1260	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Aroclor 1254	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	0.073	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Aroclor 1268	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Aroclor 1221	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Aroclor 1232	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Aroclor 1248	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Aroclor 1016	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Total Polychlorinated biphenyls	0.1	1	1	3.2	mg/kg	<0.076 U	<0.082 U	<0.068 U	0.073	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Aroclor 1262	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
PCBs	Aroclor 1242	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.078 U	<0.078 U
SVOCs	4-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	4-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.76 U	<0.82 U	<0.68 U	<0.68 U	<0.69 U	<0.70 U	<0.74 U	<0.77 U	<0.78 U
SVOCs	Benzaldehyde	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	4-Bromophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Caprolactam	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	2,4-Dimethylphenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	4-Methylphenol	0.33	34	100	0.33	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	p-Chloroaniline	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Phenol	0.33	100	100	0.33	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	bis(2-Chloroethyl)ether	NS	NS	NS	NS	mg/kg	<0.037 U	<0.040 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.037 U	<0.038 U	<0.038 U
SVOCs	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	mg/kg	0.043 J	0.063 J	0.040 J	0.073 J	0.069 J	0.062 J	0.097 J	<0.38 U	<0.38 U
SVOCs	Di-n-octyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Hexachlorobenzene	0.33	0.33	1.2	3.2	mg/kg	<0.037 U	<0.040 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.037 U	<0.038 U	<0.038 U
SVOCs	Anthracene	100	100	100	1000	mg/kg	0.13 J	0.11 J	0.24 J	0.62	0.57	0.044 J	<0.37 U	0.033 J	0.041 J
SVOCs	2,4-Dichlorophenol	NS	NS	NS	NS	mg/kg	<0.15 U	<0.16 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.15 U	<0.15 U	<0.15 U
SVOCs	2,4-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.077 U	<0.078 U
SVOCs	Pyrene	100	100	100	1000	mg/kg	0.64	0.71	1.3	2.6	2.7	0.20 J	0.021 J	0.28 J	0.31 J
SVOCs	Dimethyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Dibenzofuran	7	14	59	210	mg/kg	0.036 J	0.031 J	0.037 J	0.32 J	0.12 J	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Atrazine	NS	NS	NS	NS	mg/kg	<0.15 U	<0.16 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U*+	<0.15 U*+	<0.15 U	<0.15 U
SVOCs	Benzo(g,h,i)perylene	100	100	100	1000	mg/kg	0.17 J	0.17 J	0.33	0.56	0.81	0.070 J	<0.37 U	0.13 J	0.15 J
SVOCs	Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.21	0.22	0.41	0.71	1.0	0.070	<0.037 U	0.14	0.17
SVOCs	Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.43	0.46	0.95	1.7	2.3	0.12	<0.037 U	0.21	0.24
SVOCs	Fluoranthene	100	100	100	1000	mg/kg	0.73	0.64	1.5	3.0	3.1	0.20 J	0.019 J	0.31 J	0.33 J
SVOCs	Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.15	0.17	0.31	0.58	0.76	0.049	<0.037 U	0.090	0.10
SVOCs	Acenaphthylene	100	100	100	107	mg/kg	0.018 J	0.020 J	0.038 J	0.090 J	0.056 J	<0.34 U	<0.37 U	0.014 J	0.017 J
SVOCs	Chrysene	1	1	3.9	1	mg/kg	0.34 J	0.38 J	0.69	1.3	1.5	0.093 J	<0.37 U	0.18 J	0.19 J
SVOCs	Benzo(a)pyrene	1	1	1	22	mg/kg	0.35	0.41	0.72	1.4	1.9	0.12	<0.037 U	0.22	0.22
SVOCs	2,4-Dinitrophenol	NS	NS	NS	NS	mg/kg	<0.30 U	<0.32 U	<0.27 U	<0.27 U	<0.27 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NS	NS	NS	mg/kg	<0.30 U	<0.32 U	<0.27 U	<0.27 U	<0.27 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U
SVOCs	Dibenz(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	0.059	0.066	0.096	0.16	0.22	0.016 J	<0.037 U	0.041	0.032 J
SVOCs	Benz(a)anthracene	1	1	1	1	mg/kg	0.36	0.36	0.71	1.4	1.5	0.10	<0.037 U	0.19	0.18

						Sample Location	B-44	B-44	B-44
						Depth (ft bgs)	4-6	4-6	20-22
						Sample Date	7/25/2023	7/25/2023	7/26/2023
						Sample ID	B-44 (4-6)-072523	DUP-SOIL-072523	B-44 (20-22)-072623
						Sample Type	Soil	Soil Duplicate	Soil
						Reach	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit			
PCBs	Aroclor 1260	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Aroclor 1254	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Aroclor 1268	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Aroclor 1221	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Aroclor 1232	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Aroclor 1248	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Aroclor 1016	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Total Polychlorinated biphenyls	0.1	1	1	3.2	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Aroclor 1262	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
PCBs	Aroclor 1242	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
SVOCs	4-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	4-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.77 U	<0.75 U	<0.74 U
SVOCs	Benzaldehyde	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	4-Bromophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Caprolactam	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	2,4-Dimethylphenol	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	4-Methylphenol	0.33	34	100	0.33	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	p-Chloroaniline	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Phenol	0.33	100	100	0.33	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	bis(2-Chloroethyl)ether	NS	NS	NS	NS	mg/kg	<0.038 U	<0.037 U	<0.036 U
SVOCs	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Di-n-octyl phthalate	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Hexachlorobenzene	0.33	0.33	1.2	3.2	mg/kg	<0.038 U	<0.037 U	<0.036 U
SVOCs	Anthracene	100	100	100	1000	mg/kg	0.11 J	0.10 J	<0.36 U
SVOCs	2,4-Dichlorophenol	NS	NS	NS	NS	mg/kg	<0.15 U	<0.15 U	<0.15 U
SVOCs	2,4-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
SVOCs	Pyrene	100	100	100	1000	mg/kg	0.83	1.0	<0.36 U
SVOCs	Dimethyl phthalate	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Dibenzofuran	7	14	59	210	mg/kg	0.026 J	0.012 J	<0.36 U
SVOCs	Atrazine	NS	NS	NS	NS	mg/kg	<0.15 U	<0.15 U	<0.15 U
SVOCs	Benzo(g,h,i)perylene	100	100	100	1000	mg/kg	0.40	0.45	<0.36 U
SVOCs	Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.42	0.49	<0.036 U
SVOCs	Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.79	0.83	<0.036 U
SVOCs	Fluoranthene	100	100	100	1000	mg/kg	1.0	1.2	<0.36 U
SVOCs	Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.30	0.31	<0.036 U
SVOCs	Acenaphthylene	100	100	100	107	mg/kg	0.047 J	0.033 J	<0.36 U
SVOCs	Chrysene	1	1	3.9	1	mg/kg	0.56	0.62	<0.36 U
SVOCs	Benzo(a)pyrene	1	1	1	22	mg/kg	0.61	0.68	<0.036 U
SVOCs	2,4-Dinitrophenol	NS	NS	NS	NS	mg/kg	<0.30 U	<0.30 U	<0.29 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NS	NS	NS	mg/kg	<0.30 UF1	<0.30 U	<0.29 U
SVOCs	Dibenz(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	0.11	0.12	<0.036 U
SVOCs	Benz(a)anthracene	1	1	1	1	mg/kg	0.47	0.57	<0.036 U

						Sample Location	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-5
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	10-12	35-37	40-52
						Sample Date	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/28/2023	6/22/2023
						Sample ID	SB-3(0-2)-062723	DUP-SOIL-062723	SB-3(2-4)-062723	SB-3(4-6)-062723	SB-3(6-8)-062723	SB-3(8-10)-062723	SB-3(10-12)-062723	B-3(35-37)_062823	B-5(40'-52')_06222023
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	4-Chloro-3-Methylphenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	2,6-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.075 U	<0.073 U	<0.071 U	<0.073 U	<0.069 U	<0.073 U	<0.076 U	<0.081 U	<0.11 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NS	NS	NS	mg/kg	<0.037 U	<0.036 U	<0.035 U	<0.036 U	<0.034 U	<0.036 U	<0.037 U	<0.040 U	<0.056 U
SVOCs	Hexachloroethane	NS	NS	NS	NS	mg/kg	<0.037 U	<0.036 U	<0.035 U	<0.036 U	<0.034 U	<0.036 U	<0.037 U	<0.040 U	<0.056 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Hexachlorocyclopentadiene	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U*-
SVOCs	Isophorone	NS	NS	NS	NS	mg/kg	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.14 U	<0.15 U	<0.15 U	<0.16 U	<0.22 U
SVOCs	Acenaphthene	20	100	100	98	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.4 J
SVOCs	Diethyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Di-n-butyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Phenanthrene	100	100	100	1000	mg/kg	0.081 J	0.073 J	0.12 J	0.066 J	<0.34 U	<0.36 U	<0.37 U	<0.40 U	2.8
SVOCs	Butyl benzyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	N-Nitrosodiphenylamine	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Fluorene	30	100	100	386	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.47 J
SVOCs	Carbazole	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.39 J
SVOCs	Hexachloro-1,3-butadiene	NS	NS	NS	NS	mg/kg	<0.075 U	<0.073 U	<0.071 U	<0.073 U	<0.069 U	<0.073 U	<0.076 U	<0.081 U	<0.11 U
SVOCs	Pentachlorophenol	0.8	2.4	6.7	0.8	mg/kg	<0.30 U	<0.29 U	<0.28 U	<0.29 U	<0.27 U	<0.29 U	<0.30 U	<0.32 U	<0.45 U
SVOCs	2,4,6-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.14 U	<0.15 U	<0.15 U	<0.16 U	<0.22 U
SVOCs	2-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	2-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Naphthalene	12	100	100	12	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.43 J
SVOCs	2-Methylnaphthalene	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.25 J
SVOCs	2-Chloronaphthalene	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	3,3-Dichlorobenzidine	NS	NS	NS	NS	mg/kg	<0.15 U	<0.14 U	<0.14 U	<0.15 U	<0.14 U	<0.15 U	<0.15 U	<0.16 U	<0.22 U
SVOCs	1,1-Biphenyl	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	0.063 J
SVOCs	2-Methylphenol	0.33	100	100	0.33	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	2-Chlorophenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	2,4,5-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Acetophenone	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U
SVOCs	Nitrobenzene	NS	NS	NS	NS	mg/kg	<0.037 U	<0.036 U	<0.035 U	<0.036 U	<0.034 U	<0.036 U	<0.037 U	<0.040 U	<0.056 U
SVOCs	3-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.37 U	<0.36 U	<0.35 U	<0.36 U	<0.34 U	<0.36 U	<0.37 U	<0.40 U	<0.56 U

						Sample Location	B-9	B-9	B-9	B-9	B-9	B-9	B-14	B-14	B-14	B-19
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	0-2	2-4	4-6	0-2
						Sample Date	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/9/2023	8/9/2023	8/9/2023	8/14/2023
						Sample ID	B-9 (0-2)-083023	B-9 (2-4)-083023	DUP-083023	B-9 (4-6)-083023	B-9 (6-8)-083023	B-9 (8-10)-083023	B-14 (0-2)-080923	B-14(2-4)-080923	B-14 (4-6)-080923	B-19(0-2)-081423
						Sample Type	Soil	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 5	Reach 5	Reach 5	Reach 4
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit										
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	4-Chloro-3-Methylphenol	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	2,6-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.067 U	<0.067 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.070 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NS	NS	NS	mg/kg	<0.033 U	<0.035 U	<0.035 U	<0.033 U	<0.033 U	<0.033 U	<0.036 U	<0.034 U	<0.035 U	<0.034 U
SVOCs	Hexachloroethane	NS	NS	NS	NS	mg/kg	<0.033 U	<0.035 U	<0.035 U	<0.033 U	<0.033 U	<0.033 U	<0.036 U	<0.034 U	<0.035 U	<0.034 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Hexachlorocyclopentadiene	NS	NS	NS	NS	mg/kg	<0.33 U*-	<0.35 U*-F1	<0.35 U*-	<0.33 U*-	<0.33 U*-	<0.33 U*-	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Isophorone	NS	NS	NS	NS	mg/kg	<0.13 U	<0.14 U	<0.14 U	<0.13 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U
SVOCs	Acenaphthene	20	100	100	98	mg/kg	<0.33 U	<0.35 U	0.029 J	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	0.012 J
SVOCs	Diethyl phthalate	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Di-n-butyl phthalate	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Phenanthrene	100	100	100	1000	mg/kg	<0.33 U	0.030 J	0.67	0.038 J	0.024 J	0.018 J	0.050 J	<0.34 U	<0.35 U	0.13 J
SVOCs	Butyl benzyl phthalate	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	N-Nitrosodiphenylamine	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Fluorene	30	100	100	386	mg/kg	<0.33 U	<0.35 U	0.019 J	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Carbazole	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	0.022 J	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Hexachloro-1,3-butadiene	NS	NS	NS	NS	mg/kg	<0.067 U	<0.071 U	<0.071 U	<0.067 U	<0.067 U	<0.067 U	<0.073 U	<0.068 U	<0.072 U	<0.070 U
SVOCs	Pentachlorophenol	0.8	2.4	6.7	0.8	mg/kg	<0.27 U	<0.28 U	<0.28 U	<0.27 U	<0.27 U	<0.27 U	<0.29 U	<0.27 U	<0.28 U	<0.28 U
SVOCs	2,4,6-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.13 U	<0.14 U	<0.14 U	<0.13 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.14 U	<0.14 U
SVOCs	2-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	2-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Naphthalene	12	100	100	12	mg/kg	<0.33 U	<0.35 U	0.013 J	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	0.012 J
SVOCs	2-Methylnaphthalene	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	2-Chloronaphthalene	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	3,3-Dichlorobenzidine	NS	NS	NS	NS	mg/kg	<0.13 U*1	<0.14 U*1	<0.14 U*1	<0.13 U*1	<0.13 U*1	<0.13 U*1	<0.14 U	<0.14 U	<0.14 U	<0.14 U
SVOCs	1,1-Biphenyl	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	2-Methylphenol	0.33	100	100	0.33	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	2-Chlorophenol	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	2,4,5-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Acetophenone	NS	NS	NS	NS	mg/kg	<0.33 U	<0.35 U	<0.35 U	<0.33 U	<0.33 U	<0.33 U	<0.36 U	<0.34 U	<0.35 U	<0.34 U
SVOCs	Nitrobenzene	NS	NS	NS	NS	mg/kg	<0.033 U	<0.035 U	<0.035 U	<0.033 U	<0.033 U	<0.033 U	<0.036 U	<0.034 U	<0.035 U	<0.034 U
SVOCs	3-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.33 U*1	<0.35 U*1	<0.35 U*1	<0.33 U*1	<0.33 U*1	<0.33 U*1	<0.36 U	<0.34 U	<0.35 U	<0.34 U

						Sample Location	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-22
						Depth (ft bgs)	2-4	2-4	4-6	6-8	8-10	10-12	20-22	65-67	0-2
						Sample Date	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/16/2023	7/17/2023
						Sample ID	B-19(2-4)-081423	DUP081423 SOLID	B-19(4-6)-081423	B-19(6-8)-081423	B-19(8-10)-081423	B-19(10-12)-081423	B-19(20-22)-081423	B-19 (65-67)-081623	B-22(0-2)-071723
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	4-Chloro-3-Methylphenol	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	2,6-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.067 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.070 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NS	NS	NS	mg/kg	<0.034 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.040 U	<0.035 U
SVOCs	Hexachloroethane	NS	NS	NS	NS	mg/kg	<0.034 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.040 U	<0.035 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Hexachlorocyclopentadiene	NS	NS	NS	NS	mg/kg	<0.34 UF1	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U*-
SVOCs	Isophorone	NS	NS	NS	NS	mg/kg	<0.14 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.16 U	<0.14 U
SVOCs	Acenaphthene	20	100	100	98	mg/kg	0.021 J	0.049 J	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.19 J	<0.35 U
SVOCs	Diethyl phthalate	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Di-n-butyl phthalate	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.016 J	<0.35 U
SVOCs	Phenanthrene	100	100	100	1000	mg/kg	0.13 J	0.29 J	0.063 J	<0.33 U	<0.33 U	0.048 J	<0.34 U	1.4	0.029 J
SVOCs	Butyl benzyl phthalate	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.026 J	<0.35 U
SVOCs	N-Nitrosodiphenylamine	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Fluorene	30	100	100	386	mg/kg	0.022 J	0.065 J	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.25 J	<0.35 U
SVOCs	Carbazole	NS	NS	NS	NS	mg/kg	0.013 J	0.025 J	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.055 J	<0.35 U
SVOCs	Hexachloro-1,3-butadiene	NS	NS	NS	NS	mg/kg	<0.069 U	<0.068 U	<0.067 U	<0.067 U	<0.067 U	<0.069 U	<0.070 U	<0.082 U	<0.070 U
SVOCs	Pentachlorophenol	0.8	2.4	6.7	0.8	mg/kg	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.27 U	<0.28 U	<0.33 U	<0.28 U
SVOCs	2,4,6-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.14 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.16 U	<0.14 U
SVOCs	2-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	2-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Naphthalene	12	100	100	12	mg/kg	0.025 J	0.067 J	0.013 J	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.56	<0.35 U
SVOCs	2-Methylnaphthalene	NS	NS	NS	NS	mg/kg	0.018 J	0.062 J	0.0094 J	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.50	<0.35 U
SVOCs	2-Chloronaphthalene	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	3,3-Dichlorobenzidine	NS	NS	NS	NS	mg/kg	<0.14 U	<0.13 U	<0.13 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.16 U	<0.14 U
SVOCs	1,1-Biphenyl	NS	NS	NS	NS	mg/kg	<0.34 U	0.013 J	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	0.13 J	<0.35 U
SVOCs	2-Methylphenol	0.33	100	100	0.33	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	2-Chlorophenol	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	2,4,5-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Acetophenone	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U
SVOCs	Nitrobenzene	NS	NS	NS	NS	mg/kg	<0.034 U	<0.033 U	<0.033 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.040 U	<0.035 U
SVOCs	3-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.34 U	<0.33 U	<0.33 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.40 U	<0.35 U

						Sample Location	B-22	B-22	B-22	B-22	B-22	B-22	B-22	B-27	B-27
						Depth (ft bgs)	2-4	4-6	6-8	8-10	10-12	20-22	59-61	0-2	2-4
						Sample Date	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/18/2023	6/27/2023	6/27/2023
						Sample ID	B-22(2-4)-071723	B-22(4-6)-071723	B-22(6-8)-071723	B-22(8-10)-071723	B-22(10-12)-071723	B-22(20-22)-071723	B-22(59-61)-071823	B-27(0'-2')_062723	B-27(2'-4')_062723
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	4-Chloro-3-Methylphenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	2,6-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.076 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.068 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NS	NS	NS	mg/kg	<0.035 U	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	<0.056 U	<0.033 U	<0.034 U
SVOCs	Hexachloroethane	NS	NS	NS	NS	mg/kg	<0.035 U	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	<0.056 U	<0.033 U	<0.034 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Hexachlorocyclopentadiene	NS	NS	NS	NS	mg/kg	<0.35 U*-	<0.35 U*-	<0.36 U*-	<0.37 U*-	<0.40 U*-	<0.35 UF1*-	<0.56 U*-	<0.33 U	<0.34 U
SVOCs	Isophorone	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.23 U	<0.13 U	<0.14 U
SVOCs	Acenaphthene	20	100	100	98	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	1.8	<0.33 U	<0.34 U
SVOCs	Diethyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Di-n-butyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	0.023 J	0.035 J	<0.56 U	0.017 J	0.76
SVOCs	Phenanthrene	100	100	100	1000	mg/kg	0.056 J	<0.35 U	<0.36 U	0.023 J	0.016 J	<0.35 U	11	0.014 J	0.026 J
SVOCs	Butyl benzyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	N-Nitrosodiphenylamine	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Fluorene	30	100	100	386	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	2.2	<0.33 U	<0.34 U
SVOCs	Carbazole	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	0.22 J	<0.33 U	<0.34 U
SVOCs	Hexachloro-1,3-butadiene	NS	NS	NS	NS	mg/kg	<0.070 U	<0.071 U	<0.072 U	<0.076 U	<0.081 U	<0.071 U	<0.11 U	<0.067 U	<0.068 U
SVOCs	Pentachlorophenol	0.8	2.4	6.7	0.8	mg/kg	<0.28 U	<0.28 U	<0.29 U	<0.30 U	<0.32 U	<0.28 U	<0.45 U	<0.27 U	<0.27 U
SVOCs	2,4,6-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.23 U	<0.13 U	<0.14 U
SVOCs	2-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	2-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Naphthalene	12	100	100	12	mg/kg	0.0061 J	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	2.2	<0.33 U	<0.34 U
SVOCs	2-Methylnaphthalene	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	3.1	<0.33 U	<0.34 U
SVOCs	2-Chloronaphthalene	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	3,3-Dichlorobenzidine	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.16 U	<0.14 U	<0.23 U	<0.13 U	<0.14 U
SVOCs	1,1-Biphenyl	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	0.52 J	<0.33 U	<0.34 U
SVOCs	2-Methylphenol	0.33	100	100	0.33	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	2-Chlorophenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	2,4,5-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Acetophenone	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U
SVOCs	Nitrobenzene	NS	NS	NS	NS	mg/kg	<0.035 U	<0.035 U	<0.036 U	<0.037 U	<0.040 U	<0.035 U	<0.056 U	<0.033 U	<0.034 U
SVOCs	3-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.35 U	<0.35 U	<0.36 U	<0.37 U	<0.40 U	<0.35 U	<0.56 U	<0.33 U	<0.34 U

						Sample Location	B-27	B-27	B-27	B-27	B-27	B-33	B-33	B-33	B-33
						Depth (ft bgs)	4-6	6-8	8-10	10-12	20-22	0-2	2-4	4-6	6-8
						Sample Date	6/27/2023	6/28/2023	6/28/2023	6/28/2023	6/28/2023	8/10/2023	8/10/2023	8/10/2023	8/10/2023
						Sample ID	B-27(4'-6')_062723	B-27(6'-8')_062823	B-27(8'-10')_062823	B-27(10'-12')_062823	B-27(20'-22')_062823	B-33(0'-2')-081023	B-33(2'-4')-081023	B-33(4'-6')-081023	B-33(6'-8')-081023
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 2	Reach 2	Reach 2	Reach 2
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	4-Chloro-3-Methylphenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	2,6-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.078 U	<0.086 U	<0.074 U	<0.075 U	<0.076 U	<0.073 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NS	NS	NS	mg/kg	<0.035 U	<0.034 U	<0.035 U	<0.038 U	<0.043 U	<0.037 U	<0.037 U	<0.037 U	<0.036 U
SVOCs	Hexachloroethane	NS	NS	NS	NS	mg/kg	<0.035 U	<0.034 U	<0.035 U	<0.038 U	<0.043 U	<0.037 U	<0.037 U	<0.037 U	<0.036 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Hexachlorocyclopentadiene	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Isophorone	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.17 U	<0.15 U	<0.15 U	<0.15 U	<0.14 U
SVOCs	Acenaphthene	20	100	100	98	mg/kg	<0.35 U	0.037 J	<0.35 U	<0.38 U	<0.43 U	0.078 J	0.035 J	0.081 J	0.033 J
SVOCs	Diethyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Di-n-butyl phthalate	NS	NS	NS	NS	mg/kg	0.029 J	0.45	0.028 J	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Phenanthrene	100	100	100	1000	mg/kg	0.024 J	0.30 J	0.024 J	<0.38 U	<0.43 U	0.78	0.41	0.87	0.39
SVOCs	Butyl benzyl phthalate	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	N-Nitrosodiphenylamine	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Fluorene	30	100	100	386	mg/kg	<0.35 U	0.050 J	<0.35 U	<0.38 U	<0.43 U	0.061 J	0.028 J	0.075 J	0.035 J
SVOCs	Carbazole	NS	NS	NS	NS	mg/kg	<0.35 U	0.039 J	<0.35 U	<0.38 U	<0.43 U	0.048 J	0.028 J	0.073 J	0.030 J
SVOCs	Hexachloro-1,3-butadiene	NS	NS	NS	NS	mg/kg	<0.070 U	<0.069 U	<0.072 U	<0.078 U	<0.086 U	<0.074 U	<0.075 U	<0.076 U	<0.073 U
SVOCs	Pentachlorophenol	0.8	2.4	6.7	0.8	mg/kg	<0.28 U	<0.27 U	<0.29 U	<0.31 U	<0.34 U	<0.30 U	<0.30 U	<0.30 U	<0.29 U
SVOCs	2,4,6-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.17 U	<0.15 U	<0.15 U	<0.15 U	<0.14 U
SVOCs	2-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	2-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Naphthalene	12	100	100	12	mg/kg	<0.35 U	0.046 J	<0.35 U	<0.38 U	<0.43 U	0.029 J	0.034 J	0.048 J	0.034 J
SVOCs	2-Methylnaphthalene	NS	NS	NS	NS	mg/kg	<0.35 U	0.014 J	<0.35 U	<0.38 U	<0.43 U	0.016 J	0.016 J	0.023 J	0.015 J
SVOCs	2-Chloronaphthalene	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	3,3-Dichlorobenzidine	NS	NS	NS	NS	mg/kg	<0.14 U	<0.14 U	<0.14 U	<0.15 U	<0.17 U	<0.15 U	<0.15 U	<0.15 U	<0.14 U
SVOCs	1,1-Biphenyl	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	2-Methylphenol	0.33	100	100	0.33	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	2-Chlorophenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	2,4,5-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Acetophenone	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U
SVOCs	Nitrobenzene	NS	NS	NS	NS	mg/kg	<0.035 U	<0.034 U	<0.035 U	<0.038 U	<0.043 U	<0.037 U	<0.037 U	<0.037 U	<0.036 U
SVOCs	3-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.35 U	<0.34 U	<0.35 U	<0.38 U	<0.43 U	<0.37 U	<0.37 U	<0.37 U	<0.36 U

						Sample Location	B-33	B-33	B-39	B-39	B-39	B-39A	B-39A	B-44	B-44
						Depth (ft bgs)	8-10	10-12	0-2	2-4	4-6	10-12	20-22	0-2	2-4
						Sample Date	8/10/2023	8/10/2023	9/5/2023	9/6/2023	9/6/2023	9/6/2023	9/6/2023	7/25/2023	7/25/2023
						Sample ID	B-33(8'-10')-081023	B-33(10'-12')-081023	B-39(0-2)-090523	B-39(2-4)-090623	B-39(4-6)-090623	B-39A (10'-12')-090623	B-39A (20'-22')-090623	B-44 (0-2)-072523	B-44 (2-4)-072523
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 2	Reach 2	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	4-Chloro-3-Methylphenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	2,6-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.077 U	<0.078 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NS	NS	NS	mg/kg	<0.037 U	<0.040 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.037 U	<0.038 U	<0.038 U
SVOCs	Hexachloroethane	NS	NS	NS	NS	mg/kg	<0.037 U	<0.040 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.037 U	<0.038 U	<0.038 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Hexachlorocyclopentadiene	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U*-	<0.33 U*-	<0.34 U*-	<0.34 U*-	<0.37 U*-	<0.38 U	<0.38 U
SVOCs	Isophorone	NS	NS	NS	NS	mg/kg	<0.15 U	<0.16 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.15 U	<0.15 U	<0.15 U
SVOCs	Acenaphthene	20	100	100	98	mg/kg	0.041 J	0.036 J	0.042 J	0.17 J	0.15 J	0.016 J	<0.37 U	<0.38 U	0.014 J
SVOCs	Diethyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Di-n-butyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Phenanthrene	100	100	100	1000	mg/kg	0.45	0.35 J	0.90	2.9	1.6	0.15 J	0.036 J	0.13 J	0.16 J
SVOCs	Butyl benzyl phthalate	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	N-Nitrosodiphenylamine	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Fluorene	30	100	100	386	mg/kg	0.047 J	0.035 J	0.036 J	0.20 J	0.14 J	0.017 J	0.011 J	<0.38 U	<0.38 U
SVOCs	Carbazole	NS	NS	NS	NS	mg/kg	0.031 J	0.031 J	0.030 J	0.23 J	0.11 J	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Hexachloro-1,3-butadiene	NS	NS	NS	NS	mg/kg	<0.076 U	<0.082 U	<0.068 U	<0.068 U	<0.069 U	<0.070 U	<0.074 U	<0.077 U	<0.078 U
SVOCs	Pentachlorophenol	0.8	2.4	6.7	0.8	mg/kg	<0.30 U	<0.32 U	<0.27 U	<0.27 U	<0.27 U	<0.28 U	<0.29 U	<0.31 U	<0.31 U
SVOCs	2,4,6-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.15 U	<0.16 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.15 U	<0.15 U	<0.15 U
SVOCs	2-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	2-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Naphthalene	12	100	100	12	mg/kg	0.041 J	0.056 J	0.045 J	0.22 J	0.091 J	0.010 J	0.011 J	<0.38 U	0.011 J
SVOCs	2-Methylnaphthalene	NS	NS	NS	NS	mg/kg	0.021 J	0.028 J	0.020 J	0.18 J	0.058 J	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	2-Chloronaphthalene	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	3,3-Dichlorobenzidine	NS	NS	NS	NS	mg/kg	<0.15 U	<0.16 U	<0.13 U	<0.13 U	<0.14 U	<0.14 U	<0.15 U	<0.15 U	<0.15 U
SVOCs	1,1-Biphenyl	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	0.044 J	0.020 J	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	2-Methylphenol	0.33	100	100	0.33	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	2-Chlorophenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	2,4,5-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Acetophenone	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U
SVOCs	Nitrobenzene	NS	NS	NS	NS	mg/kg	<0.037 U	<0.040 U	<0.033 U	<0.033 U	<0.034 U	<0.034 U	<0.037 U	<0.038 U	<0.038 U
SVOCs	3-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.37 U	<0.40 U	<0.33 U	<0.33 U	<0.34 U	<0.34 U	<0.37 U	<0.38 U	<0.38 U

						Sample Location	B-44	B-44	B-44
						Depth (ft bgs)	4-6	4-6	20-22
						Sample Date	7/25/2023	7/25/2023	7/26/2023
						Sample ID	B-44 (4-6)-072523	DUP-SOIL-072523	B-44 (20-22)-072623
						Sample Type	Soil	Soil Duplicate	Soil
						Reach	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit			
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	4-Chloro-3-Methylphenol	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	2,6-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NS	NS	NS	mg/kg	<0.038 U	<0.037 U	<0.036 U
SVOCs	Hexachloroethane	NS	NS	NS	NS	mg/kg	<0.038 U	<0.037 U	<0.036 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Hexachlorocyclopentadiene	NS	NS	NS	NS	mg/kg	<0.38 UF1	<0.37 U	<0.36 U
SVOCs	Isophorone	NS	NS	NS	NS	mg/kg	<0.15 U	<0.15 U	<0.15 U
SVOCs	Acenaphthene	20	100	100	98	mg/kg	0.040 J	0.036 J	<0.36 U
SVOCs	Diethyl phthalate	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Di-n-butyl phthalate	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Phenanthrene	100	100	100	1000	mg/kg	0.63	0.51	<0.36 U
SVOCs	Butyl benzyl phthalate	NS	NS	NS	NS	mg/kg	<0.38 U	0.017 J	<0.36 U
SVOCs	N-Nitrosodiphenylamine	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Fluorene	30	100	100	386	mg/kg	0.037 J	0.023 J	<0.36 U
SVOCs	Carbazole	NS	NS	NS	NS	mg/kg	0.066 J	0.038 J	<0.36 U
SVOCs	Hexachloro-1,3-butadiene	NS	NS	NS	NS	mg/kg	<0.077 U	<0.075 U	<0.074 U
SVOCs	Pentachlorophenol	0.8	2.4	6.7	0.8	mg/kg	<0.30 U	<0.30 U	<0.29 U
SVOCs	2,4,6-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.15 U	<0.15 U	<0.15 U
SVOCs	2-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	2-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Naphthalene	12	100	100	12	mg/kg	0.038 J	0.029 J	<0.36 U
SVOCs	2-Methylnaphthalene	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	2-Chloronaphthalene	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	3,3-Dichlorobenzidine	NS	NS	NS	NS	mg/kg	<0.15 U	<0.15 U	<0.15 U
SVOCs	1,1-Biphenyl	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	2-Methylphenol	0.33	100	100	0.33	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	2-Chlorophenol	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	2,4,5-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Acetophenone	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U
SVOCs	Nitrobenzene	NS	NS	NS	NS	mg/kg	<0.038 U	<0.037 U	<0.036 U
SVOCs	3-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.38 U	<0.37 U	<0.36 U

						Sample Location	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-5
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	10-12	35-37	40-52
						Sample Date	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/28/2023	6/22/2023
						Sample ID	SB-3(0-2)-062723	DUP-SOIL-062723	SB-3(2-4)-062723	SB-3(4-6)-062723	SB-3(6-8)-062723	SB-3(8-10)-062723	SB-3(10-12)-062723	B-3(35-37)_062823	B-5(40'-52')_06222023
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	Ethylbenzene	1	30	41	1	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Styrene (Monomer)	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	cis-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	trans-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,4-Dichlorobenzene	1.8	9.8	13	1.8	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,2-Dibromoethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,2-Dichloroethane	0.02	2.3	3.1	0.02	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	4-Methyl-2-Pentanone	NS	NS	NS	NS	mg/kg	<0.0055 U	<0.0048 U	<0.0057 U	<0.013 U	<0.0070 U	<0.0061 U	<0.0060 U	<0.0064 U	<0.015 U
VOCs	Methylcyclohexane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Toluene	0.7	100	100	0.7	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Chlorobenzene	1.1	100	100	1.1	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Cyclohexane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,2,4-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,4-Dioxane	0.1	9.8	13	0.1	mg/kg	<0.11 U*3*+*1	<0.096 U*3*+*1	<0.11 U*+*1F1	<0.27 U*3*+*1	<0.14 U*3*+*1	<0.12 U*3*+*1	<0.12 U*+*1	<0.13 U*+*1	<0.30 U
VOCs	Chlorodibromomethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Tetrachloroethene	1.3	5.5	19	1.3	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	cis-1,2-Dichloroethene	0.25	59	100	0.25	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	trans-1,2-Dichloroethene	0.19	100	100	0.19	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Methyl-tert-butylether	0.93	62	100	0.93	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,3-Dichlorobenzene	2.4	17	49	2.4	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Carbon Tetrachloride	0.76	1.4	2.4	0.76	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	NS	NS	NS	NS	mg/kg	<0.0055 U	<0.0048 U	<0.0057 U	<0.013 U	<0.0070 U	<0.0061 U	<0.0060 U	<0.0064 U	<0.015 U
VOCs	Acetone	0.05	100	100	0.05	mg/kg	0.027	0.042	0.015	0.077	0.042	0.087	0.025	0.022	0.13
VOCs	Chloroform	0.37	10	49	0.37	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Benzene	0.06	2.9	4.8	0.06	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	0.00088 J
VOCs	1,1,1-Trichloroethane	0.68	100	100	0.68	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Bromomethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0019 U	<0.0023 U	<0.0054 U	<0.0028 U	<0.0024 U	<0.0024 U	<0.0026 U	<0.0059 U
VOCs	Chloromethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Bromochloromethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Chloroethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Vinyl chloride	0.02	0.21	0.9	0.02	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Dichloromethane	0.05	51	100	0.05	mg/kg	<0.0022 U	<0.0019 U	<0.0023 U	<0.0054 U	<0.0028 U	<0.0024 U	<0.0024 U	<0.0026 U	<0.0059 U
VOCs	Carbon Disulfide	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	0.0015	<0.0013 U	0.0034
VOCs	Bromoform	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Bromodichloromethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,1-Dichloroethane	0.27	19	26	0.27	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,1-Dichloroethene	0.33	100	100	0.33	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	0.0061
VOCs	CFC-11	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	CFC-12	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,2-Dichloropropane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	2-Butanone (MEK)	0.12	100	100	0.12	mg/kg	<0.0055 U	<0.0048 U	<0.0057 U	<0.013 U	<0.0070 U	<0.0061 U	<0.0060 U	<0.0064 U	0.024
VOCs	1,1,2-Trichloroethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Trichloroethene	0.47	10	21	0.47	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Methyl Acetate	NS	NS	NS	NS	mg/kg	<0.0055 U	<0.0048 U	<0.0057 UF1	<0.013 U	<0.0070 U	<0.0061 U	<0.0060 U	<0.0064 U	<0.015 U
VOCs	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1F2	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,2,3-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U

						Sample Location	B-9	B-9	B-9	B-9	B-9	B-9	B-14	B-14	B-14	B-19
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	0-2	2-4	4-6	0-2
						Sample Date	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/9/2023	8/9/2023	8/9/2023	8/14/2023
						Sample ID	B-9 (0-2)-083023	B-9 (2-4)-083023	DUP-083023	B-9 (4-6)-083023	B-9 (6-8)-083023	B-9 (8-10)-083023	B-14 (0-2)-080923	B-14(2-4)-080923	B-14 (4-6)-080923	B-19(0-2)-081423
						Sample Type	Soil	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 5	Reach 5	Reach 5	Reach 4
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit										
VOCs	Ethylbenzene	1	30	41	1	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Styrene (Monomer)	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	cis-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	trans-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,4-Dichlorobenzene	1.8	9.8	13	1.8	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,2-Dibromoethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,2-Dichloroethane	0.02	2.3	3.1	0.02	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	4-Methyl-2-Pentanone	NS	NS	NS	NS	mg/kg	<0.0062 U	<0.0077 U	<0.0061 U	<0.0062 U	<0.0086 U	<0.0066 U	<0.0079 U	<0.0078 U	<0.0079 U	<0.0087 U
VOCs	Methylcyclohexane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Toluene	0.7	100	100	0.7	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Chlorobenzene	1.1	100	100	1.1	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Cyclohexane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,2,4-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,4-Dioxane	0.1	9.8	13	0.1	mg/kg	<0.12 U	<0.15 U	<0.12 U*3	<0.12 U	<0.17 U*3	<0.13 U*3	<0.16 U	<0.16 U	<0.16 U	<0.17 U
VOCs	Chlorodibromomethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Tetrachloroethene	1.3	5.5	19	1.3	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	cis-1,2-Dichloroethene	0.25	59	100	0.25	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	trans-1,2-Dichloroethene	0.19	100	100	0.19	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Methyl-tert-butylether	0.93	62	100	0.93	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,3-Dichlorobenzene	2.4	17	49	2.4	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Carbon Tetrachloride	0.76	1.4	2.4	0.76	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	NS	NS	NS	NS	mg/kg	<0.0062 U	<0.0077 U	<0.0061 U	<0.0062 U	<0.0086 U	<0.0066 U	<0.0079 U	<0.0078 U	<0.0079 U	<0.0087 U
VOCs	Acetone	0.05	100	100	0.05	mg/kg	0.089	0.062 F1	0.016	0.019	0.038	0.033	0.013	0.028	0.019	<0.010 U
VOCs	Chloroform	0.37	10	49	0.37	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Benzene	0.06	2.9	4.8	0.06	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,1,1-Trichloroethane	0.68	100	100	0.68	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Bromomethane	NS	NS	NS	NS	mg/kg	<0.0025 U	<0.0031 U	<0.0024 U	<0.0025 U	<0.0034 U	<0.0027 U	<0.0031 U	<0.0031 U	<0.0031 U	<0.0035 U*+
VOCs	Chloromethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Bromochloromethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Chloroethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Vinyl chloride	0.02	0.21	0.9	0.02	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Dichloromethane	0.05	51	100	0.05	mg/kg	<0.0025 U	<0.0031 U	<0.0024 U	<0.0025 U	<0.0034 U	<0.0027 U	<0.0031 U	<0.0031 U	<0.0031 U	<0.0035 U
VOCs	Carbon Disulfide	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Bromoform	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Bromodichloromethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,1-Dichloroethane	0.27	19	26	0.27	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,1-Dichloroethene	0.33	100	100	0.33	mg/kg	0.0010 J	<0.0015 U	<0.0012 U	<0.0012 U	0.0013 J	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	CFC-11	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	CFC-12	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,2-Dichloropropane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	2-Butanone (MEK)	0.12	100	100	0.12	mg/kg	<0.0062 U	<0.0077 U	<0.0061 U	<0.0062 U	<0.0086 U	<0.0066 U	<0.0079 U	<0.0078 U	<0.0079 U	<0.0087 U
VOCs	1,1,2-Trichloroethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Trichloroethene	0.47	10	21	0.47	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Methyl Acetate	NS	NS	NS	NS	mg/kg	<0.0062 U	<0.0077 U	<0.0061 U	<0.0062 U	<0.0086 U	<0.0066 U	<0.0079 U	<0.0078 U	<0.0079 U	<0.0087 U
VOCs	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,2,3-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U

						Sample Location	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-22
						Depth (ft bgs)	2-4	2-4	4-6	6-8	8-10	10-12	20-22	65-67	0-2
						Sample Date	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/16/2023	7/17/2023
						Sample ID	B-19(2-4)-081423	DUP081423 SOLID	B-19(4-6)-081423	B-19(6-8)-081423	B-19(8-10)-081423	B-19(10-12)-081423	B-19(20-22)-081423	B-19 (65-67)-081623	B-22(0-2)-071723
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	Ethylbenzene	1	30	41	1	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Styrene (Monomer)	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	cis-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	trans-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,4-Dichlorobenzene	1.8	9.8	13	1.8	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,2-Dibromoethane	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,2-Dichloroethane	0.02	2.3	3.1	0.02	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	4-Methyl-2-Pentanone	NS	NS	NS	NS	mg/kg	<0.0066 U	<0.0072 U*3	<0.0061 U	<0.0072 U	<0.0077 U	<0.0061 U	<0.0049 U	<0.0057 U	<0.0073 U
VOCs	Methylcyclohexane	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Toluene	0.7	100	100	0.7	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Chlorobenzene	1.1	100	100	1.1	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Cyclohexane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,2,4-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,4-Dioxane	0.1	9.8	13	0.1	mg/kg	<0.13 U	<0.14 U*3	<0.12 U	<0.14 U	<0.15 U	<0.12 U*3	<0.097 U	<0.11 U	<0.15 U
VOCs	Chlorodibromomethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Tetrachloroethene	1.3	5.5	19	1.3	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	cis-1,2-Dichloroethene	0.25	59	100	0.25	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	trans-1,2-Dichloroethene	0.19	100	100	0.19	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Methyl-tert-butylether	0.93	62	100	0.93	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,3-Dichlorobenzene	2.4	17	49	2.4	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Carbon Tetrachloride	0.76	1.4	2.4	0.76	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	NS	NS	NS	NS	mg/kg	<0.0066 U	<0.0072 U*3	<0.0061 U	<0.0072 U	<0.0077 U	<0.0061 U	<0.0049 U	<0.0057 U	<0.0073 U
VOCs	Acetone	0.05	100	100	0.05	mg/kg	<0.0080 U	0.022 *3	0.0085	<0.0086 U	<0.0093 U	<0.0073 U	0.014	0.016	0.016
VOCs	Chloroform	0.37	10	49	0.37	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Benzene	0.06	2.9	4.8	0.06	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,1,1-Trichloroethane	0.68	100	100	0.68	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	
VOCs	Bromomethane	NS	NS	NS	NS	mg/kg	<0.0027 UF1*+	<0.0029 U*3*+	<0.0024 U*+	<0.0029 U*+	<0.0031 U*+	<0.0024 U*+	<0.0019 U*+	<0.0023 U	<0.0029 U
VOCs	Chloromethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Bromochloromethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Chloroethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Vinyl chloride	0.02	0.21	0.9	0.02	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Dichloromethane	0.05	51	100	0.05	mg/kg	<0.0027 U	<0.0029 U	<0.0024 U	<0.0029 U	<0.0031 U	<0.0024 U	<0.0019 U	<0.0023 U	<0.0029 U
VOCs	Carbon Disulfide	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	0.00041 J	0.00084 J	<0.0012 U	<0.00097 U	0.0022 *-	<0.0015 U
VOCs	Bromoform	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Bromodichloromethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,1-Dichloroethane	0.27	19	26	0.27	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,1-Dichloroethene	0.33	100	100	0.33	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	CFC-11	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	CFC-12	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,2-Dichloropropane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	2-Butanone (MEK)	0.12	100	100	0.12	mg/kg	<0.0066 U	<0.0072 U*3	<0.0061 U	<0.0072 U	<0.0077 U	<0.0061 U	<0.0049 U	0.0034 J	<0.0073 U
VOCs	1,1,2-Trichloroethane	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Trichloroethene	0.47	10	21	0.47	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Methyl Acetate	NS	NS	NS	NS	mg/kg	<0.0066 UF1F2	<0.0072 U	<0.0061 U	<0.0072 U	<0.0077 U	<0.0061 U	<0.0049 U	<0.0057 U	<0.0073 U
VOCs	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	mg/kg	<0.0013 UF1F2	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,2,3-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U

						Sample Location	B-22	B-22	B-22	B-22	B-22	B-22	B-22	B-27	B-27
						Depth (ft bgs)	2-4	4-6	6-8	8-10	10-12	20-22	59-61	0-2	2-4
						Sample Date	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/18/2023	6/27/2023	6/27/2023
						Sample ID	B-22(2-4)-071723	B-22(4-6)-071723	B-22(6-8)-071723	B-22(8-10)-071723	B-22(10-12)-071723	B-22(20-22)-071723	B-22(59-61)-071823	B-27(0'-2')_062723	B-27(2'-4')_062723
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	Ethylbenzene	1	30	41	1	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	0.0011 J	<0.0012 U	<0.0013 U
VOCs	Styrene (Monomer)	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	cis-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	trans-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,4-Dichlorobenzene	1.8	9.8	13	1.8	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,2-Dibromoethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,2-Dichloroethane	0.02	2.3	3.1	0.02	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	4-Methyl-2-Pentanone	NS	NS	NS	NS	mg/kg	<0.0063 U	<0.0068 U	<0.0059 U	<0.0063 U	<0.0064 U	<0.0052 U	<0.0069 U	<0.0061 U	<0.0065 U
VOCs	Methylcyclohexane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Toluene	0.7	100	100	0.7	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	0.00038 J	<0.0012 U	<0.0013 U
VOCs	Chlorobenzene	1.1	100	100	1.1	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Cyclohexane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,2,4-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,4-Dioxane	0.1	9.8	13	0.1	mg/kg	<0.13 U	<0.14 U	<0.12 U	<0.13 U	<0.13 U	<0.10 U*3	<0.14 U	<0.12 U*+*1	<0.13 U*+*1
VOCs	Chlorodibromomethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Tetrachloroethene	1.3	5.5	19	1.3	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	cis-1,2-Dichloroethene	0.25	59	100	0.25	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	trans-1,2-Dichloroethene	0.19	100	100	0.19	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Methyl-tert-butylether	0.93	62	100	0.93	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,3-Dichlorobenzene	2.4	17	49	2.4	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Carbon Tetrachloride	0.76	1.4	2.4	0.76	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	NS	NS	NS	NS	mg/kg	<0.0063 U	<0.0068 U	<0.0059 U	<0.0063 U	<0.0064 U	<0.0052 U	<0.0069 U	<0.0061 U	<0.0065 U
VOCs	Acetone	0.05	100	100	0.05	mg/kg	0.021	0.028	0.024	0.031	0.019	0.027	0.053	0.073	0.026
VOCs	Chloroform	0.37	10	49	0.37	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Benzene	0.06	2.9	4.8	0.06	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	0.00066 J	<0.0012 U	<0.0013 U
VOCs	1,1,1-Trichloroethane	0.68	100	100	0.68	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Bromomethane	NS	NS	NS	NS	mg/kg	<0.0025 U	<0.0027 U	<0.0024 U	<0.0025 U	<0.0025 U	<0.0021 U	<0.0028 U	<0.0024 U	<0.0026 U
VOCs	Chloromethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Bromochloromethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Chloroethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Vinyl chloride	0.02	0.21	0.9	0.02	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Dichloromethane	0.05	51	100	0.05	mg/kg	<0.0025 U	<0.0027 U	<0.0024 U	<0.0025 U	<0.0025 U	<0.0021 U	<0.0028 U	<0.0024 U	<0.0026 U
VOCs	Carbon Disulfide	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	0.00043 J	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Bromoform	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Bromodichloromethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,1-Dichloroethane	0.27	19	26	0.27	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,1-Dichloroethene	0.33	100	100	0.33	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	0.0035	0.00040 J	<0.0012 U	<0.0013 U
VOCs	CFC-11	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	CFC-12	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,2-Dichloropropane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	2-Butanone (MEK)	0.12	100	100	0.12	mg/kg	<0.0063 U	<0.0068 U	<0.0059 U	<0.0063 U	<0.0064 U	0.0016 J	0.014	<0.0061 U	<0.0065 U
VOCs	1,1,2-Trichloroethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Trichloroethene	0.47	10	21	0.47	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Methyl Acetate	NS	NS	NS	NS	mg/kg	<0.0063 U	<0.0068 U	<0.0059 U	<0.0063 U	<0.0064 U	<0.0052 U	<0.0069 U	<0.0061 U	<0.0065 U
VOCs	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,2,3-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U

						Sample Location	B-27	B-27	B-27	B-27	B-27	B-33	B-33	B-33	B-33
						Depth (ft bgs)	4-6	6-8	8-10	10-12	20-22	0-2	2-4	4-6	6-8
						Sample Date	6/27/2023	6/28/2023	6/28/2023	6/28/2023	6/28/2023	8/10/2023	8/10/2023	8/10/2023	8/10/2023
						Sample ID	B-27(4'-6')_062723	B-27(6'-8')_062823	B-27(8'-10')_062823	B-27(10'-12')_062823	B-27(20'-22')_062823	B-33(0'-2')-081023	B-33(2'-4')-081023	B-33(4'-6')-081023	B-33(6'-8')-081023
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 2	Reach 2	Reach 2	Reach 2
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	Ethylbenzene	1	30	41	1	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Styrene (Monomer)	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	cis-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	trans-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,4-Dichlorobenzene	1.8	9.8	13	1.8	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,2-Dibromoethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,2-Dichloroethane	0.02	2.3	3.1	0.02	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	4-Methyl-2-Pentanone	NS	NS	NS	NS	mg/kg	<0.011 U	<0.0078 U	<0.0072 U	<0.015 U	<0.011 U	<0.0062 U	<0.0064 U	<0.0069 U	<0.0058 U
VOCs	Methylcyclohexane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Toluene	0.7	100	100	0.7	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Chlorobenzene	1.1	100	100	1.1	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Cyclohexane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,2,4-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,4-Dioxane	0.1	9.8	13	0.1	mg/kg	<0.22 U*+*1	<0.16 U*+*1	<0.14 U*+*1	<0.31 U*+*1	<0.21 U*3*+*1	<0.12 U	<0.13 U	<0.14 U	<0.12 U
VOCs	Chlorodibromomethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Tetrachloroethene	1.3	5.5	19	1.3	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	cis-1,2-Dichloroethene	0.25	59	100	0.25	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	trans-1,2-Dichloroethene	0.19	100	100	0.19	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Methyl-tert-butylether	0.93	62	100	0.93	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,3-Dichlorobenzene	2.4	17	49	2.4	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Carbon Tetrachloride	0.76	1.4	2.4	0.76	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	NS	NS	NS	NS	mg/kg	<0.011 U	<0.0078 U	<0.0072 U	<0.015 U	<0.011 U	<0.0062 U	<0.0064 U	<0.0069 U	<0.0058 U
VOCs	Acetone	0.05	100	100	0.05	mg/kg	0.086	0.015	0.032	0.18	0.036	0.014	0.022	0.011	0.0090
VOCs	Chloroform	0.37	10	49	0.37	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Benzene	0.06	2.9	4.8	0.06	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	0.00037 J
VOCs	1,1,1-Trichloroethane	0.68	100	100	0.68	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Bromomethane	NS	NS	NS	NS	mg/kg	<0.0044 U	<0.0031 U	<0.0029 U	<0.0061 U	<0.0043 U	<0.0025 U	<0.0026 U	<0.0028 U	<0.0023 U
VOCs	Chloromethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Bromochloromethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Chloroethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Vinyl chloride	0.02	0.21	0.9	0.02	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Dichloromethane	0.05	51	100	0.05	mg/kg	<0.0044 U	<0.0031 U	<0.0029 U	<0.0061 U	<0.0043 U	<0.0025 U	<0.0026 U	<0.0028 U	<0.0023 U
VOCs	Carbon Disulfide	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	0.0042	<0.0012 U*-	<0.0013 U*-	<0.0014 U*-	<0.0012 U*-
VOCs	Bromoform	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Bromodichloromethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,1-Dichloroethane	0.27	19	26	0.27	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,1-Dichloroethene	0.33	100	100	0.33	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U*-	<0.0013 U*-	<0.0014 U*-	<0.0012 U*-
VOCs	CFC-11	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	CFC-12	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,2-Dichloropropane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	2-Butanone (MEK)	0.12	100	100	0.12	mg/kg	<0.011 U	<0.0078 U	<0.0072 U	<0.015 U	<0.011 U	0.0042 J	0.0031 J	<0.0069 U	<0.0058 U
VOCs	1,1,2-Trichloroethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Trichloroethene	0.47	10	21	0.47	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Methyl Acetate	NS	NS	NS	NS	mg/kg	<0.011 U	<0.0078 U	<0.0072 U	<0.015 U	<0.011 U	<0.0062 U	<0.0064 U	<0.0069 U	<0.0058 U
VOCs	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,2,3-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U

						Sample Location	B-33	B-33	B-39	B-39	B-39	B-39A	B-39A	B-44	B-44
						Depth (ft bgs)	8-10	10-12	0-2	2-4	4-6	10-12	20-22	0-2	2-4
						Sample Date	8/10/2023	8/10/2023	9/5/2023	9/6/2023	9/6/2023	9/6/2023	9/6/2023	7/25/2023	7/25/2023
						Sample ID	B-33(8'-10')-081023	B-33(10'-12')-081023	B-39(0-2)-090523	B-39(2-4)-090623	B-39(4-6)-090623	B-39A (10'-12')-090623	B-39A (20'-22')-090623	B-44 (0-2)-072523	B-44 (2-4)-072523
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 2	Reach 2	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	Ethylbenzene	1	30	41	1	mg/kg	<0.0012 U	0.0014	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Styrene (Monomer)	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	cis-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	trans-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,4-Dichlorobenzene	1.8	9.8	13	1.8	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,2-Dibromoethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,2-Dichloroethane	0.02	2.3	3.1	0.02	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	4-Methyl-2-Pentanone	NS	NS	NS	NS	mg/kg	<0.0060 U	<0.0062 U	<0.0097 U	<0.0099 U	<0.0079 U	<0.0044 U	<0.0062 U	<0.0092 U	<0.010 U
VOCs	Methylcyclohexane	NS	NS	NS	NS	mg/kg	<0.0012 U	0.0034	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Toluene	0.7	100	100	0.7	mg/kg	0.00030 J	0.00080 J	0.0032	0.0021	0.0011 J	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Chlorobenzene	1.1	100	100	1.1	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Cyclohexane	NS	NS	NS	NS	mg/kg	<0.0012 U	0.0016	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,2,4-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,4-Dioxane	0.1	9.8	13	0.1	mg/kg	<0.12 U	<0.12 U	<0.19 U	<0.20 U	<0.16 U	<0.088 U	<0.12 U	<0.18 U	<0.21 U
VOCs	Chlorodibromomethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Tetrachloroethene	1.3	5.5	19	1.3	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	cis-1,2-Dichloroethene	0.25	59	100	0.25	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	trans-1,2-Dichloroethene	0.19	100	100	0.19	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Methyl-tert-butylether	0.93	62	100	0.93	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,3-Dichlorobenzene	2.4	17	49	2.4	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Carbon Tetrachloride	0.76	1.4	2.4	0.76	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	NS	NS	NS	NS	mg/kg	<0.0060 U	<0.0062 U	<0.0097 U	<0.0099 U	<0.0079 U	<0.0044 U	<0.0062 U	<0.0092 U	<0.010 U
VOCs	Acetone	0.05	100	100	0.05	mg/kg	0.0086	0.017	0.024	0.028	0.028	0.013	0.030	<0.011 U	<0.012 U
VOCs	Chloroform	0.37	0.012	49	0.37	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Benzene	0.06	2.9	4.8	0.06	mg/kg	0.00054 J	0.00054 J	0.0063	0.0043	0.0025	0.00037 J	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,1,1-Trichloroethane	0.68	100	100	0.68	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Bromomethane	NS	NS	NS	NS	mg/kg	<0.0024 U	<0.0025 U	<0.0039 U	<0.0040 U	<0.0032 U	<0.0018 U	<0.0025 U	<0.0037 U	<0.0041 U
VOCs	Chloromethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Bromochloromethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Chloroethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Vinyl chloride	0.02	0.21	0.9	0.02	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Dichloromethane	0.05	51	100	0.05	mg/kg	<0.0024 U	<0.0025 U	<0.0039 U	<0.0040 U	<0.0032 U	<0.0018 U	<0.0025 U	<0.0037 U	<0.0041 U
VOCs	Carbon Disulfide	NS	NS	NS	NS	mg/kg	<0.0012 U*-	0.0018 *-	0.0022	0.0013 J	0.00068 J	<0.00088 U	0.00053 J	<0.0018 U	<0.0021 U
VOCs	Bromoform	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Bromodichloromethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,1-Dichloroethane	0.27	19	26	0.27	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,1-Dichloroethene	0.33	100	100	0.33	mg/kg	<0.0012 U*-	<0.0012 U*-	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	CFC-11	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	CFC-12	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,2-Dichloropropane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	2-Butanone (MEK)	0.12	100	100	0.12	mg/kg	<0.0060 U	0.0062	<0.0097 U	<0.0099 U	<0.0079 U	<0.0044 U	0.0071	<0.0092 U	<0.010 U
VOCs	1,1,2-Trichloroethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Trichloroethene	0.47	10	21	0.47	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Methyl Acetate	NS	NS	NS	NS	mg/kg	<0.0060 U	<0.0062 U	<0.0097 U	<0.0099 U	<0.0079 U	<0.0044 U	<0.0062 U	<0.0092 U	<0.010 U
VOCs	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,2,3-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U

						Sample Location	B-44	B-44	B-44
						Depth (ft bgs)	4-6	4-6	20-22
						Sample Date	7/25/2023	7/25/2023	7/26/2023
						Sample ID	B-44 (4-6)-072523	DUP-SOIL-072523	B-44 (20-22)-072623
						Sample Type	Soil	Soil Duplicate	Soil
						Reach	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit			
VOCs	Ethylbenzene	1	30	41	1	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	Styrene (Monomer)	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	cis-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	trans-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	1,4-Dichlorobenzene	1.8	9.8	13	1.8	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	1,2-Dibromoethane	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	1,2-Dichloroethane	0.02	2.3	3.1	0.02	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	4-Methyl-2-Pentanone	NS	NS	NS	NS	mg/kg	<0.0085 U	<0.0073 U	<0.0059 U
VOCs	Methylcyclohexane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Toluene	0.7	100	100	0.7	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Chlorobenzene	1.1	100	100	1.1	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	Cyclohexane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	1,2,4-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	1,4-Dioxane	0.1	9.8	13	0.1	mg/kg	<0.17 U	<0.15 U	<0.12 U
VOCs	Chlorodibromomethane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Tetrachloroethene	1.3	5.5	19	1.3	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	cis-1,2-Dichloroethene	0.25	59	100	0.25	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U*-
VOCs	trans-1,2-Dichloroethene	0.19	100	100	0.19	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Methyl-tert-butylether	0.93	62	100	0.93	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	1,3-Dichlorobenzene	2.4	17	49	2.4	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	Carbon Tetrachloride	0.76	1.4	2.4	0.76	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	NS	NS	NS	NS	mg/kg	<0.0085 U	<0.0073 U	<0.0059 U
VOCs	Acetone	0.05	100	100	0.05	mg/kg	<0.010 U	<0.0087 U	0.028
VOCs	Chloroform	0.37	10	49	0.37	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Benzene	0.06	2.9	4.8	0.06	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	1,1,1-Trichloroethane	0.68	100	100	0.68	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Bromomethane	NS	NS	NS	NS	mg/kg	<0.0034 U	<0.0029 U	<0.0024 U
VOCs	Chloromethane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Bromochloromethane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Chloroethane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Vinyl chloride	0.02	0.21	0.9	0.02	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Dichloromethane	0.05	51	100	0.05	mg/kg	<0.0034 U	<0.0029 U	<0.0024 U
VOCs	Carbon Disulfide	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Bromoform	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Bromodichloromethane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	1,1-Dichloroethane	0.27	19	26	0.27	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	1,1-Dichloroethene	0.33	100	100	0.33	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	CFC-11	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	CFC-12	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	1,2-Dichloropropane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	2-Butanone (MEK)	0.12	100	100	0.12	mg/kg	<0.0085 U	<0.0073 U	<0.0059 U
VOCs	1,1,2-Trichloroethane	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	Trichloroethene	0.47	10	21	0.47	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	Methyl Acetate	NS	NS	NS	NS	mg/kg	<0.0085 UF1	<0.0073 U	<0.0059 U
VOCs	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	mg/kg	<0.0017 U	<0.0015 U	<0.0012 U
VOCs	1,2,3-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U

						Sample Location	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-3	B-5
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	10-12	35-37	40-52
						Sample Date	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/27/2023	6/28/2023	6/22/2023
						Sample ID	SB-3(0-2)-062723	DUP-SOIL-062723	SB-3(2-4)-062723	SB-3(4-6)-062723	SB-3(6-8)-062723	SB-3(8-10)-062723	SB-3(10-12)-062723	B-3(35-37)_062823	B-5(40'-52')_06222023
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	o-Xylene	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,2-Dichlorobenzene	1.1	100	100	1.1	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 U	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	Isopropylbenzene	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U
VOCs	m&p-Xylenes	NS	NS	NS	NS	mg/kg	<0.0011 U	<0.00096 U	<0.0011 UF1	<0.0027 U	<0.0014 U	<0.0012 U	<0.0012 U	<0.0013 U	<0.0030 U

Concentrations above (UUSCOs) are shaded blue
Concentrations above (RSCOs) are shaded yellow
Concentrations above (RRSCOs) are shaded pink
Concentrations above (PGWSCOs) are shaded gray

NOTE: SCOs are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCOs because they are the more stringent standards. Trivalent-chromium SCOs are shown in brackets.

Detections are boldfaced

B – Compound was found in the method blank and the sample.
J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value
U - Indicates the analyte was analyzed for but not detected
F1 - MS and/or MSD recovery exceeds control limits
F2 - MS/MSD relative percent difference exceeds control limits
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
*+ LCS and/or LCSD is outside acceptance limits, high biased
*- LCS and/or LCSD is outside acceptance limits, low biased
*1 LCS/LCSD RPD exceeds control limits
*3 ISTD response or retention time outside acceptable limits.
NA - Not analyzed

						Sample Location	B-9	B-9	B-9	B-9	B-9	B-9	B-14	B-14	B-14	B-19
						Depth (ft bgs)	0-2	2-4	2-4	4-6	6-8	8-10	0-2	2-4	4-6	0-2
						Sample Date	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/30/2023	8/9/2023	8/9/2023	8/9/2023	8/14/2023
						Sample ID	B-9 (0-2)-083023	B-9 (2-4)-083023	DUP-083023	B-9 (4-6)-083023	B-9 (6-8)-083023	B-9 (8-10)-083023	B-14 (0-2)-080923	B-14(2-4)-080923	B-14 (4-6)-080923	B-19(0-2)-081423
						Sample Type	Soil	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 5	Reach 5	Reach 5	Reach 4
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit										
VOCs	o-Xylene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,2-Dichlorobenzene	1.1	100	100	1.1	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	Isopropylbenzene	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 UF1	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	<0.0017 U
VOCs	m&p-Xylenes	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0015 U	<0.0012 U	<0.0012 U	<0.0017 U	<0.0013 U	<0.0016 U	<0.0016 U	<0.0016 U	0.00078 J

Concentrations above (UUSCOs) are shaded blue
Concentrations above (RSCOs) are shaded yellow
Concentrations above (RRSCOs) are shaded pink
Concentrations above (PGWSCOs) are shaded gray

NOTE: SCO are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCO because they are the more stringent standards. Trivalent-chromium SCO are shown in brackets.

Detections are boldfaced

B – Compound was found in the method blank and the sample.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an appr

U - Indicates the analyte was analyzed for but not detected

F1 - MS and/or MSD recovery exceeds control limits

F2 - MS/MSD relative percent difference exceeds control limits

p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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*- LCS and/or LCSD is outside acceptance limits, low biased

*1 LCS/LCSD RPD exceeds control limits

*3 ISTD response or retention time outside acceptable limits.

NA - Not analyzed

						Sample Location	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-19	B-22
						Depth (ft bgs)	2-4	2-4	4-6	6-8	8-10	10-12	20-22	65-67	0-2
						Sample Date	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/14/2023	8/16/2023	7/17/2023
						Sample ID	B-19(2-4)-081423	DUP081423 SOLID	B-19(4-6)-081423	B-19(6-8)-081423	B-19(8-10)-081423	B-19(10-12)-081423	B-19(20-22)-081423	B-19 (65-67)-081623	B-22(0-2)-071723
						Sample Type	Soil	Soil Duplicate	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 4	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	o-Xylene	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,2-Dichlorobenzene	1.1	100	100	1.1	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	Isopropylbenzene	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	<0.0012 U	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U
VOCs	m&p-Xylenes	NS	NS	NS	NS	mg/kg	<0.0013 UF1	<0.0014 U	0.00025 J	<0.0014 U	<0.0015 U	<0.0012 U	<0.00097 U	<0.0011 U	<0.0015 U

Concentrations above (UUSCOs) are shaded blue
Concentrations above (RSCOs) are shaded yellow
Concentrations above (RRSCOs) are shaded pink
Concentrations above (PGWSCOs) are shaded gray

NOTE: SCO are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCO because they are the more stringent standards. Trivalent-chromium SCO are shown in brackets.

Detections are boldfaced

B – Compound was found in the method blank and the sample.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an appr

U - Indicates the analyte was analyzed for but not detected

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NA - Not analyzed

						Sample Location	B-22	B-22	B-22	B-22	B-22	B-22	B-22	B-27	B-27
						Depth (ft bgs)	2-4	4-6	6-8	8-10	10-12	20-22	59-61	0-2	2-4
						Sample Date	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/17/2023	7/18/2023	6/27/2023	6/27/2023
						Sample ID	B-22(2-4)-071723	B-22(4-6)-071723	B-22(6-8)-071723	B-22(8-10)-071723	B-22(10-12)-071723	B-22(20-22)-071723	B-22(59-61)-071823	B-27(0'-2')_062723	B-27(2'-4')_062723
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	o-Xylene	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	0.00087 J	<0.0012 U	<0.0013 U
VOCs	1,2-Dichlorobenzene	1.1	100	100	1.1	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	<0.0014 U	<0.0012 U	<0.0013 U
VOCs	Isopropylbenzene	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	0.00082 J*-	<0.0012 U	<0.0013 U
VOCs	m&p-Xylenes	NS	NS	NS	NS	mg/kg	<0.0013 U	<0.0014 U	<0.0012 U	<0.0013 U	<0.0013 U	<0.0010 U	0.00081 J	<0.0012 U	<0.0013 U

Concentrations above (UUSCOs) are shaded blue
Concentrations above (RSCOs) are shaded yellow
Concentrations above (RRSCOs) are shaded pink
Concentrations above (PGWSCOs) are shaded gray

NOTE: SCO's are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCO's because they are the more stringent standards. Trivalent-chromium SCO's are shown in brackets.

Detections are boldfaced

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*1 LCS/LCSD RPD exceeds control limits

*3 ISTD response or retention time outside acceptable limits.

NA - Not analyzed

						Sample Location	B-27	B-27	B-27	B-27	B-27	B-33	B-33	B-33	B-33
						Depth (ft bgs)	4-6	6-8	8-10	10-12	20-22	0-2	2-4	4-6	6-8
						Sample Date	6/27/2023	6/28/2023	6/28/2023	6/28/2023	6/28/2023	8/10/2023	8/10/2023	8/10/2023	8/10/2023
						Sample ID	B-27(4'-6')_062723	B-27(6'-8')_062823	B-27(8'-10')_062823	B-27(10'-12')_062823	B-27(20'-22')_062823	B-33(0'-2')-081023	B-33(2'-4')-081023	B-33(4'-6')-081023	B-33(6'-8')-081023
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 3	Reach 3	Reach 3	Reach 3	Reach 3	Reach 2	Reach 2	Reach 2	Reach 2
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	o-Xylene	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	0.00029 J	<0.0014 U	<0.0012 U
VOCs	1,2-Dichlorobenzene	1.1	100	100	1.1	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	Isopropylbenzene	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	<0.0013 U	<0.0014 U	<0.0012 U
VOCs	m&p-Xylenes	NS	NS	NS	NS	mg/kg	<0.0022 U	<0.0016 U	<0.0014 U	<0.0031 U	<0.0021 U	<0.0012 U	0.00032 J	0.00027 J	0.00031 J

Concentrations above (UUSCOs) are shaded blue
Concentrations above (RSCOs) are shaded yellow
Concentrations above (RRSCOs) are shaded pink
Concentrations above (PGWSCOs) are shaded gray

NOTE: SCOs are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCOs because they are the more stringent standards. Trivalent-chromium SCOs are shown in brackets.

Detections are boldfaced

B – Compound was found in the method blank and the sample.
J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an appr
U - Indicates the analyte was analyzed for but not detected
F1 - MS and/or MSD recovery exceeds control limits
F2 - MS/MSD relative percent difference exceeds control limits
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
*+ LCS and/or LCSD is outside acceptance limits, high biased
*- LCS and/or LCSD is outside acceptance limits, low biased
*1 LCS/LCSD RPD exceeds control limits
*3 ISTD response or retention time outside acceptable limits.
NA - Not analyzed

						Sample Location	B-33	B-33	B-39	B-39	B-39	B-39A	B-39A	B-44	B-44
						Depth (ft bgs)	8-10	10-12	0-2	2-4	4-6	10-12	20-22	0-2	2-4
						Sample Date	8/10/2023	8/10/2023	9/5/2023	9/6/2023	9/6/2023	9/6/2023	9/6/2023	7/25/2023	7/25/2023
						Sample ID	B-33(8'-10')-081023	B-33(10'-12')-081023	B-39(0-2)-090523	B-39(2-4)-090623	B-39(4-6)-090623	B-39A (10'-12')-090623	B-39A (20'-22')-090623	B-44 (0-2)-072523	B-44 (2-4)-072523
						Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
						Reach	Reach 2	Reach 2	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted-Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit									
VOCs	o-Xylene	NS	NS	NS	NS	mg/kg	<0.0012 U	0.0019	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,2-Dichlorobenzene	1.1	100	100	1.1	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	mg/kg	<0.0012 U	<0.0012 U	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	Isopropylbenzene	NS	NS	NS	NS	mg/kg	<0.0012 U	0.00038 J	<0.0019 U	<0.0020 U	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U
VOCs	m&p-Xylenes	NS	NS	NS	NS	mg/kg	0.00022 J	0.0037	<0.0019 U	0.00068 J	<0.0016 U	<0.00088 U	<0.0012 U	<0.0018 U	<0.0021 U

Concentrations above (UUSCOs) are shaded blue
Concentrations above (RSCOs) are shaded yellow
Concentrations above (RRSCOs) are shaded pink
Concentrations above (PGWSCOs) are shaded gray

NOTE: SCOs are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCOs because they are the more stringent standards. Trivalent-chromium SCOs are shown in brackets.

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B – Compound was found in the method blank and the sample.
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NA - Not analyzed

						Sample Location	B-44	B-44	B-44
						Depth (ft bgs)	4-6	4-6	20-22
						Sample Date	7/25/2023	7/25/2023	7/26/2023
						Sample ID	B-44 (4-6)-072523	DUP-SOIL-072523	B-44 (20-22)-072623
						Sample Type	Soil	Soil Duplicate	Soil
						Reach	Reach 1	Reach 1	Reach 1
BASE_METHOD	Analyte	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Unit			
VOCs	o-Xylene	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	1,2-Dichlorobenzene	1.1	100	100	1.1	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	Isopropylbenzene	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U
VOCs	m&p-Xylenes	NS	NS	NS	NS	mg/kg	<0.0017 UF1	<0.0015 U	<0.0012 U

Concentrations above (UUSCOs) are shaded blue
Concentrations above (RSCOs) are shaded yellow
Concentrations above (RRSCOs) are shaded pink
Concentrations above (PGWSCOs) are shaded gray

NOTE: SCOs are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCOs because they are the more stringent standards. Trivalent-chromium SCOs are shown in brackets.

Detections are boldfaced

B – Compound was found in the method blank and the sample.
J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an apprx
U - Indicates the analyte was analyzed for but not detected
F1 - MS and/or MSD recovery exceeds control limits
F2 - MS/MSD relative percent difference exceeds control limits
p - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
*+ LCS and/or LCSD is outside acceptance limits, high biased
*- LCS and/or LCSD is outside acceptance limits, low biased
*1 LCS/LCSD RPD exceeds control limits
*3 ISTD response or retention time outside acceptable limits.
NA - Not analyzed

			Sample Location	B-5	COMP B-3	COMP B-9	COMP B-9	COMP B-19	COMP B-19	COMP B-27
			Date	6/22/2023	6/28/2023	8/30/2023	8/31/2023	8/14/2023	8/15/2023	6/28/2023
			Sample ID	B-5(TCLP)_06222023	COMP B-3(25-47)-062823	COMP B-9 (0'-17')-083023	COMP B-9(20-55)-083123	COMPB-19(0-35)-081423	COMP B-19 (35-65)-081523	COMP B-27(0'-2')-062823
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil
			Reach	Reach 7	Reach 7	Reach 6	Reach 6	Reach 4	Reach 4	Reach 3
BASE_METHOD	Analyte	TCLP 40 CFR Part 261.24	Unit							
Herbicides	2,4,5-TP (Silvex)	1	mg/l	<0.083 U	<0.083 U	NA	<0.083 U	<0.083 U	<0.083 U	<0.083 U
Herbicides	2,4,5-T	NS	mg/l	<0.083 U	<0.083 U	NA	<0.083 U	<0.083 U	<0.083 U	<0.083 U
Herbicides	2,4-D	10	mg/l	<0.083 U	<0.083 U	NA	<0.083 U	<0.083 U	<0.083 U	<0.083 U
Metals	Lead	5	mg/l	0.29	0.029	0.068	0.067	0.047	0.12	0.17
Metals	Silver	5	mg/l	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
Metals	Arsenic	5	mg/l	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	0.040
Metals	Barium	100	mg/l	0.36	0.10	0.21	0.33	0.29	0.36	0.26
Metals	Cadmium	1	mg/l	0.0076 J	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
Metals	Total Chromium	5	mg/l	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U	0.090	<0.040 U
Metals	Selenium	1	mg/l	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U
Metals	Mercury	0.2	mg/l	0.00010 J	<0.00020 U	0.00064	0.00079	0.00013 J	<0.00020 U	0.00067
OC Pest	Heptachlor epoxide	NS	mg/l	<0.00050 U	<0.00050 U	<0.00050 U	NA	NA	NA	<0.00050 U
OC Pest	Chlordane	0.03	mg/l	<0.0050 U	<0.0050 U	<0.0050 U	NA	NA	NA	<0.0050 U
OC Pest	Gamma-BHC	0.4	mg/l	<0.00050 U	<0.00050 U	<0.00050 U	NA	NA	NA	<0.00050 U
OC Pest	Endrin	0.02	mg/l	<0.00050 U	<0.00050 U	<0.00050 U	NA	NA	NA	<0.00050 U
OC Pest	Methoxychlor	10	mg/l	<0.00050 U	<0.00050 U	<0.00050 U	NA	NA	NA	<0.00050 U
OC Pest	Heptachlor	0.008	mg/l	<0.00050 U	<0.00050 U	<0.00050 U	NA	NA	NA	<0.00050 U
OC Pest	Toxaphene	0.5	mg/l	<0.0050 U	<0.0050 U	<0.0050 U	NA	NA	NA	<0.0050 U
SVOCs	1,4-Dichlorobenzene	7.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	Pyridine	35	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	Hexachlorobenzene	30.13	mg/l	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U
SVOCs	2,4-Dinitrotoluene	30.13	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	3-Methylphenol, 4-Methylphenol	NS	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	Hexachloroethane	3	mg/l	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U
SVOCs	Hexachloro-1,3-butadiene	0.5	mg/l	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U
SVOCs	Pentachlorophenol	100	mg/l	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
SVOCs	2,4,6-Trichlorophenol	2	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	2-Methylphenol	4200	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	2,4,5-Trichlorophenol	400	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	Nitrobenzene	2	mg/l	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U
VOCs	1,2-Dichloroethane	0.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Chlorobenzene	100	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Tetrachloroethene	0.7	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Carbon Tetrachloride	0.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Chloroform	6	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Benzene	0.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Vinyl chloride	0.2	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	1,1-Dichloroethene	0.7	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	2-Butanone (MEK)	200	mg/l	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
VOCs	Trichloroethene	0.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U

No concentrations above the standard TCLP 40 CFR Part 261.24

Detections are boldfaced

B – Compound was found in the method blank and the sample.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

U - Indicates the analyte was analyzed for but not detected

F1 - MS and/or MSD recovery exceeds control limits

F2 - MS/MSD relative percent difference exceeds control limits

*+ LCS and/or LCSD is outside acceptance limits, high biased

*- LCS and/or LCSD is outside acceptance limits, low biased

			Sample Location	COMP B-27	Comp B-33	Comp B-33	Comp B-44	Comp B-44
			Date	6/29/2023	8/10/2023	8/11/2023	7/26/2023	7/27/2023
			Sample ID	COMP-B-27(65-82)-062923	COMP-B-33(0'-70')_081023	COMP-B-33(75'-85')-081123	COMP B-44 (0-57)_072623	COMP B-44 (60-82)_072723
			Sample Type	Soil	Soil	Soil	Soil	Soil
			Reach	Reach 3	Reach 2	Reach 2	Reach 1	Reach 1
BASE_METHOD	Analyte	TCLP 40 CFR Part 261.24	Unit					
Herbicides	2,4,5-TP (Silvex)	1	mg/l	<0.083 U	<0.083 U	<0.083 U	<0.083 U	<0.083 U
Herbicides	2,4,5-T	NS	mg/l	--	<0.083 U	<0.083 U	--	--
Herbicides	2,4-D	10	mg/l	<0.083 U	<0.083 U	<0.083 U	<0.083 U	<0.083 U
Metals	Lead	5	mg/l	0.045	0.018	0.071	0.34	0.022
Metals	Silver	5	mg/l	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
Metals	Arsenic	5	mg/l	0.011 J	0.019 J	<0.020 U	<0.020 U	<0.020 U
Metals	Barium	100	mg/l	0.14	0.10	0.68	1.0	1.6
Metals	Cadmium	1	mg/l	<0.020 U	<0.020 U	<0.020 U	<0.020 U	<0.020 U
Metals	Total Chromium	5	mg/l	<0.040 U	<0.040 U	<0.040 U	<0.040 U	<0.040 U
Metals	Selenium	1	mg/l	<0.025 U	<0.025 U	<0.025 U	<0.025 U	<0.025 U
Metals	Mercury	0.2	mg/l	<0.00020 U	0.00059	0.00024	<0.00020 U	0.00010 J
OC Pest	Heptachlor epoxide	NS	mg/l	<0.00050 U	<0.00050 U	--	<0.00050 U	<0.00050 U
OC Pest	Chlordane	0.03	mg/l	<0.0050 U	<0.0050 U	--	<0.0050 U	<0.0050 U
OC Pest	Gamma-BHC	0.4	mg/l	<0.00050 U	<0.00050 U	--	<0.00050 U	<0.00050 U
OC Pest	Endrin	0.02	mg/l	<0.00050 U	<0.00050 U	--	<0.00050 U	<0.00050 U
OC Pest	Methoxychlor	10	mg/l	<0.00050 U	<0.00050 U	--	<0.00050 U	<0.00050 U
OC Pest	Heptachlor	0.008	mg/l	<0.00050 U	<0.00050 U	--	<0.00050 U	<0.00050 U
OC Pest	Toxaphene	0.5	mg/l	<0.0050 U	<0.0050 U	--	<0.0050 U	<0.0050 U
SVOCs	1,4-Dichlorobenzene	7.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	Pyridine	35	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	Hexachlorobenzene	30.13	mg/l	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U
SVOCs	2,4-Dinitrotoluene	30.13	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	3-Methylphenol, 4-Methylphenol	NS	mg/l	<0.010 U	0.012	<0.010 U	<0.010 U	<0.010 U
SVOCs	Hexachloroethane	3	mg/l	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U
SVOCs	Hexachloro-1,3-butadiene	0.5	mg/l	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U	<0.0020 U
SVOCs	Pentachlorophenol	100	mg/l	<0.030 U	<0.030 U	<0.030 U	<0.030 U	<0.030 U
SVOCs	2,4,6-Trichlorophenol	2	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	2-Methylphenol	4200	mg/l	<0.010 U	0.0055 J	<0.010 U	<0.010 U	<0.010 U
SVOCs	2,4,5-Trichlorophenol	400	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
SVOCs	Nitrobenzene	2	mg/l	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U	<0.0010 U
VOCs	1,2-Dichloroethane	0.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Chlorobenzene	100	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Tetrachloroethene	0.7	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Carbon Tetrachloride	0.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Chloroform	6	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Benzene	0.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	Vinyl chloride	0.2	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	1,1-Dichloroethene	0.7	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U
VOCs	2-Butanone (MEK)	200	mg/l	<0.050 U	<0.050 U	<0.050 U	<0.050 U	<0.050 U
VOCs	Trichloroethene	0.5	mg/l	<0.010 U	<0.010 U	<0.010 U	<0.010 U	<0.010 U

No concentrations above the standard TCLP 40 CFR Part 261.24

Detections are boldfaced

B – Compound was found in the method blank and the sample.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and

U - Indicates the analyte was analyzed for but not detected

F1 - MS and/or MSD recovery exceeds control limits

F2 - MS/MSD relative percent difference exceeds control limits

*+ LCS and/or LCSD is outside acceptance limits, high biased

*- LCS and/or LCSD is outside acceptance limits, low biased

				Sample Location	B(OW)-26	SB-17	SB-21	SB-24	SB-26	SB-29	SB-29
				Date	6/29/2023	6/28/2023	6/29/2023	6/29/2023	6/23/2023	6/26/2023	6/26/2023
				Sample ID	B(OW)-26-062923	SB-17-062823	SB-21-062923	SB-24-062923	SB-26_06232023	DUP-GW-062623	SB-29_062623
				Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater Duplicate	Groundwater
				Reach	Reach 1	Reach 3	Reach 3	Reach 5	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	New York TOGS Ambient Water Quality Standards (NY AWQS)	FRACTION	Unit							
GenChem	Total Dissolved Solids	NS	Total	mg/l	1100	1160	110	922	15900	19300	18100
GenChem	Total Suspended Solids	NS	Total	mg/l	21.1	3.4	30.6	273	6.8	53.1	5.5
Metals	Aluminum	NS	Dissolved	ug/l	<40.0 U	<40.0 U	<40.0 U	<40.0 U	7.7 JB	<40.0 U	<40.0 U
Metals	Aluminum	NS	Total	ug/l	653	75.7	912	36.8 J	383	<800 U	877 F1
Metals	Iron	300	Dissolved	ug/l	<120 U	822	<120 U	1150	<120 U	<120 U	<120 U
Metals	Iron	300	Total	ug/l	1280	826	1640	1990	635 J	<2400 U	2250 F1
Metals	Lead	25	Dissolved	ug/l	<1.2 U	<1.2 U	<1.2 U	<1.2 U	<1.2 U	0.37 J	0.43 J
Metals	Lead	25	Total	ug/l	3.2	1.7	1.6	<1.2 U	1.9	<24.0 U	4.6 J
Metals	Magnesium	35000	Dissolved	ug/l	9190	8210	2680	26000	422000	567000	574000
Metals	Magnesium	35000	Total	ug/l	10300	8060	2940	25100	441000	578000	546000
Metals	Manganese	300	Dissolved	ug/l	2.8 J	457	3.9 J	147	3.8 J	<8.0 U	<8.0 U
Metals	Manganese	300	Total	ug/l	891	440	23.9	179	11.8	14.0 J	22.9 J
Metals	Nickel	100	Dissolved	ug/l	<4.0 U	<4.0 U	<4.0 U	<4.0 U	3.8 J	<4.0 U	<4.0 U
Metals	Nickel	100	Total	ug/l	8.0	2.7 J	8.0	2.9 J	5.9	29.0 J	<20.0 U
Metals	Potassium	NS	Dissolved	ug/l	38900	5520	1540	18700	136000	185000	192000
Metals	Potassium	NS	Total	ug/l	40600 B	5410	1910 B	18500 B	147000	186000	175000
Metals	Silver	50	Dissolved	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
Metals	Silver	50	Total	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<40.0 U	<10.0 U
Metals	Sodium	20000	Dissolved	ug/l	113000 B	152000 B	12300 B	57200 B	3640000 B	4620000 B	4700000 B
Metals	Sodium	20000	Total	ug/l	122000 B	160000	12600 B	58600 B	3720000	4750000	4620000
Metals	Thallium	0.5	Dissolved	ug/l	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U
Metals	Thallium	0.5	Total	ug/l	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<16.0 U	<4.0 U
Metals	Antimony	3	Dissolved	ug/l	<2.0 U	<2.0 UF1	<2.0 U	1.1 J	<2.0 U	<2.0 U	<2.0 UF1
Metals	Antimony	3	Total	ug/l	0.53 J	<2.0 U	<2.0 U	0.85 J	<2.0 U	<40.0 U	<10.0 U
Metals	Arsenic	25	Dissolved	ug/l	<2.0 U	6.5	1.8 J	1.8 J	<2.0 U	1.4 J	1.3 J
Metals	Arsenic	25	Total	ug/l	<2.0 U	5.3	2.4	2.5	1.2 J	<40.0 U	<10.0 U
Metals	Barium	1000	Dissolved	ug/l	39.8	16.6	2.9 J	5.2	25.8	31.3	30.7
Metals	Barium	1000	Total	ug/l	56.2	18.9	7.5	5.4	30.8 J	33.4 J	31.9
Metals	Beryllium	3	Dissolved	ug/l	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U
Metals	Beryllium	3	Total	ug/l	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<0.80 U	<16.0 U	<16.0 U
Metals	Cadmium	5	Dissolved	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
Metals	Cadmium	5	Total	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<40.0 U	<10.0 U
Metals	Total Chromium	50	Dissolved	ug/l	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U
Metals	Total Chromium	50	Total	ug/l	2.8 J	<4.0 U	23.5	<4.0 U	3.1 J	<80.0 U	<20.0 U
Metals	Cobalt	NS	Dissolved	ug/l	<4.0 U	0.50 J	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U
Metals	Cobalt	NS	Total	ug/l	0.89 J	0.76 J	0.59 J	<4.0 U	0.39 J	<80.0 U	<20.0 U
Metals	Copper	200	Dissolved	ug/l	1.3 J	1.1 J	2.2 J	2.6 J	1.2 J	1.3 J	1.5 J
Metals	Copper	200	Total	ug/l	17.0	2.6 J	4.1	1.7 J	2.5 J	<80.0 U	3.9 J
Metals	Vanadium	NS	Dissolved	ug/l	<4.0 U	<4.0 U	<4.0 U	<4.0 U	<4.0 U	1.3 J	1.4 J
Metals	Vanadium	NS	Total	ug/l	2.5 J	1.6 J	3.8 J	1.9 J	1.9 J	<80.0 U	<20.0 U
Metals	Zinc	2000	Dissolved	ug/l	3.4 J	<16.0 U	<16.0 U	<16.0 U	10.6 J	<16.0 U	<16.0 U
Metals	Zinc	2000	Total	ug/l	45.5	5.8 J	6.3 J	<16.0 U	15.2 J	<320 U	<80.0 U
Metals	Calcium	NS	Dissolved	ug/l	89600	132000	18800	126000	226000	215000	219000
Metals	Calcium	NS	Total	ug/l	102000	129000	18600	132000	214000	218000	202000
Metals	Selenium	10	Dissolved	ug/l	1.1 J	1.1 J	<2.5 U	0.59 J	1.3 J	0.38 J	<2.5 U
Metals	Selenium	10	Total	ug/l	1.1 J	1.4 J	<2.5 U	0.55 J	1.4 J	<50.0 U	<12.5 U
Metals	Mercury	0.7	Dissolved	ug/l	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U
Metals	Mercury	0.7	Total	ug/l	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U	<0.20 U

				Sample Location	B(OW)-26	SB-17	SB-21	SB-24	SB-26	SB-29	SB-29
				Date	6/29/2023	6/28/2023	6/29/2023	6/29/2023	6/23/2023	6/26/2023	6/26/2023
				Sample ID	B(OW)-26-062923	SB-17-062823	SB-21-062923	SB-24-062923	SB-26_06232023	DUP-GW-062623	SB-29_062623
				Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater Duplicate	Groundwater
				Reach	Reach 1	Reach 3	Reach 3	Reach 5	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	New York TOGS Ambient Water Quality Standards (NY AWQS)	FRACTION	Unit							
SVOCs	4-Nitroaniline	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	4-Nitrophenol	NS	NA	ug/l	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U
SVOCs	Benzaldehyde	NS	NA	ug/l	<10 U*+	<10 U	<10 U*+	<10 U*+	<10 U	<10 U	<10 U
SVOCs	4-Bromophenyl phenyl ether	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Caprolactam	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2,4-Dimethylphenol	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	4-Methylphenol	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	p-Chloroaniline	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 UF1F2
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Phenol	1	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	bis(2-Chloroethyl)ether	1	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
SVOCs	bis(2-Chloroethoxy)methane	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	bis(2-Ethylhexyl)phthalate	5	NA	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
SVOCs	Di-n-octyl phthalate	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Hexachlorobenzene	0.04	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
SVOCs	Anthracene	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2,4-Dichlorophenol	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2,4-Dinitrotoluene	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Pyrene	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Dimethyl phthalate	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Dibenzofuran	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Atrazine	5	NA	ug/l	<2.0 U*+	<2.0 U*+	<2.0 U*+	<2.0 U*+	<2.0 U	<2.0 U	<2.0 U
SVOCs	Benzo(g,h,i)perylene	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 UF1
SVOCs	Indeno(1,2,3-cd)pyrene	0.002	NA	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 UF1
SVOCs	Benzo(b)fluoranthene	0.002	NA	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
SVOCs	Fluoranthene	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Benzo(k)fluoranthene	0.002	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
SVOCs	Acenaphthylene	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Chrysene	0.002	NA	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
SVOCs	Benzo(a)pyrene	0	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
SVOCs	2,4-Dinitrophenol	10	NA	ug/l	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U	<40 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NA	ug/l	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U

				Sample Location	B(OW)-26	SB-17	SB-21	SB-24	SB-26	SB-29	SB-29
				Date	6/29/2023	6/28/2023	6/29/2023	6/29/2023	6/23/2023	6/26/2023	6/26/2023
				Sample ID	B(OW)-26-062923	SB-17-062823	SB-21-062923	SB-24-062923	SB-26_06232023	DUP-GW-062623	SB-29_062623
				Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater Duplicate	Groundwater
				Reach	Reach 1	Reach 3	Reach 3	Reach 5	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	New York TOGS Ambient Water Quality Standards (NY AWQS)	FRACTION	Unit							
SVOCs	Dibenz(a,h)anthracene	NS	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 UF1
SVOCs	Benz(a)anthracene	0.002	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	4-Chloro-3-Methylphenol	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2,6-Dinitrotoluene	5	NA	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
SVOCs	Hexachloroethane	5	NA	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Hexachlorocyclopentadiene	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Isophorone	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Acenaphthene	20	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Diethyl phthalate	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Di-n-butyl phthalate	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Phenanthrene	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Butyl benzyl phthalate	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	N-Nitrosodiphenylamine	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Fluorene	50	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Carbazole	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Hexachloro-1,3-butadiene	0.5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
SVOCs	Pentachlorophenol	1	NA	ug/l	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U	<20 U
SVOCs	2,4,6-Trichlorophenol	1	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2-Nitroaniline	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2-Nitrophenol	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Naphthalene	10	NA	ug/l	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U	<2.0 U
SVOCs	2-Methylnaphthalene	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2-Chloronaphthalene	10	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	3,3-Dichlorobenzidine	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	1,1-Biphenyl	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2-Methylphenol	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2-Chlorophenol	1	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	1,2,4,5-Tetrachlorobenzene	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	2,4,5-Trichlorophenol	1	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Acetophenone	NS	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U
SVOCs	Nitrobenzene	0.4	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
SVOCs	3-Nitroaniline	5	NA	ug/l	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U	<10 U

				Sample Location	B(OW)-26	SB-17	SB-21	SB-24	SB-26	SB-29	SB-29
				Date	6/29/2023	6/28/2023	6/29/2023	6/29/2023	6/23/2023	6/26/2023	6/26/2023
				Sample ID	B(OW)-26-062923	SB-17-062823	SB-21-062923	SB-24-062923	SB-26_06232023	DUP-GW-062623	SB-29_062623
				Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater Duplicate	Groundwater
				Reach	Reach 1	Reach 3	Reach 3	Reach 5	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	New York TOGS Ambient Water Quality Standards (NY AWQS)	FRACTION	Unit							
VOCs	Ethylbenzene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Styrene (Monomer)	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	cis-1,3-Dichloropropene	0.4	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	trans-1,3-Dichloropropene	0.4	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,4-Dichlorobenzene	3	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dibromoethane	NS	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichloroethane	0.6	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	4-Methyl-2-Pentanone	NS	NA	ug/l	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Methylcyclohexane	NS	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Toluene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chlorobenzene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Cyclohexane	NS	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2,4-Trichlorobenzene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chlorodibromomethane	50	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Tetrachloroethene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	cis-1,2-Dichloroethene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	trans-1,2-Dichloroethene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl-tert-butylether	10	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,3-Dichlorobenzene	3	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Carbon Tetrachloride	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	50	NA	ug/l	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Acetone	50	NA	ug/l	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Chloroform	7	NA	ug/l	0.63 J	<1.0 U	60	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Benzene	1	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,1-Trichloroethane	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromomethane	5	NA	ug/l	<1.0 U	<1.0 U*+	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloromethane	NS	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromochloromethane	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloroethane	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Vinyl chloride	2	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Dichloromethane	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Carbon Disulfide	NS	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromoform	50	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromodichloromethane	50	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1-Dichloroethane	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1-Dichloroethene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	CFC-11	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	CFC-12	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichloropropane	1	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	2-Butanone (MEK)	50	NA	ug/l	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U



				Sample Location	B(OW)-26	SB-17	SB-21	SB-24	SB-26	SB-29	SB-29
				Date	6/29/2023	6/28/2023	6/29/2023	6/29/2023	6/23/2023	6/26/2023	6/26/2023
				Sample ID	B(OW)-26-062923	SB-17-062823	SB-21-062923	SB-24-062923	SB-26_06232023	DUP-GW-062623	SB-29_062623
				Sample Type	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater Duplicate	Groundwater
				Reach	Reach 1	Reach 3	Reach 3	Reach 5	Reach 7	Reach 7	Reach 7
BASE_METHOD	Analyte	New York TOGS Ambient Water Quality Standards (NY AWQS)	FRACTION	Unit							
VOCs	1,1,2-Trichloroethane	1	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Trichloroethene	5	NA	ug/l	<1.0 U	<1.0 U*+	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl Acetate	NS	NA	ug/l	<5.0 U	<5.0 U*+	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	1,1,2,2-Tetrachloroethane	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2,3-Trichlorobenzene	NS	NA	ug/l	<1.0 U	<1.0 U*+	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	o-Xylene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichlorobenzene	3	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dibromo-3-chloropropane	0.04	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Isopropylbenzene	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	m&p-Xylenes	5	NA	ug/l	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U

Concentrations above NY AWQS are shaded gray

Detections are boldfaced

B – Compound was found in the method blank and the sample.

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

U - Indicates the analyte was analyzed for but not detected

F1 - MS and/or MSD recovery exceeds control limits

F2 - MS/MSD relative percent difference exceeds control limits

*+ LCS and/or LCSD is outside acceptance limits, high biased

*- LCS and/or LCSD is outside acceptance limits, low biased

NA - Not applicable

Analytical Data Tables
Sediment Sampling Results
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Sample Location Depth (ft bgs) Sample Date Sample ID Sample Type						B-46 2-4 2/29/2024 TE-B-46 (0'-4')_022924 Sediment	B-46 4-6 2/29/2024 TE-B-46 (4'-6')_022924 Sediment	B-47 4.5-6.5 2/27/2024 TE-B-47(0'-6.5') Sediment	B-47 6.5-8.5 2/27/2024 TE-B-47(6.5'-8.5') Sediment	B-47 9.5-11.3 2/27/2024 TE-B-47(9.5-11.3) Sediment	B-48 0-2 3/2/2024 TE-B-48 (0-2)_030224 Sediment
Reach						Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 4
BASE_METHOD	Analyte	Technical & Operational Guidance Series (TOGS) 5.1.9 Class A Threshold Values	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted-Residential (RRSCOs)	Unit					
Metals	Aluminum	NS	NS	NS	NS	mg/kg	11400	11000	12800	10600	10700
Metals	Iron	NS	NS	NS	NS	mg/kg	25200	25500	29800	24600	23600
Metals	Lead	33	63	400	400	mg/kg	253	221	242	216	124
Metals	Magnesium	NS	NS	NS	NS	mg/kg	5960	5880	6810	5670	6720
Metals	Manganese	NS	1600	2000	2000	mg/kg	274	304	369	287	341
Metals	Nickel	NS	30	140	310	mg/kg	27.9	28.7	40.3	28.5	31.3
Metals	Potassium	NS	NS	NS	NS	mg/kg	2800	2640	3150	2620	3490
Metals	Silver	NS	2	36	180	mg/kg	5.8	4.8	10.4	6.4	4.3
Metals	Sodium	NS	NS	NS	NS	mg/kg	7410	6860	10400	7710	9730
Metals	Thallium	NS	NS	NS	NS	mg/kg	0.33 J	0.30 J	0.26 J	0.27 J	0.42 J
Metals	Antimony	NS	NS	NS	NS	mg/kg	0.69 J	0.64 J	0.73 J	0.81 J	0.82 J
Metals	Arsenic	14	13	16	16	mg/kg	19.7	30.6	19.6	23.7	33.1
Metals	Barium	NS	350	350	400	mg/kg	167	143	121	149	217
Metals	Beryllium	NS	7.2	14	72	mg/kg	0.68	0.63	0.82	0.63 J	0.80
Metals	Cadmium	1.2	2.5	2.5	4.3	mg/kg	2.1	1.4	4.5	3.1	2.2
Metals	Total Chromium (see NOTE)	NS	1 [30]	22 [36]	110 [180]	mg/kg	79.8	73.0	187	107	108
Metals	Cobalt	NS	NS	NS	NS	mg/kg	7.7	7.7	9.4	7.6	9.4
Metals	Copper	33	50	270	270	mg/kg	175	180	246	168	227
Metals	Vanadium	NS	NS	NS	NS	mg/kg	35.0	32.6	55.4	32.1	40.5
Metals	Zinc	NS	109	2200	10000	mg/kg	344	306	337	291	453
Metals	Calcium	NS	NS	NS	NS	mg/kg	3300	4350	10500	3750	5530
Metals	Selenium	NS	3.9	36	180	mg/kg	1.4 J	1.8	1.3 J	1.1 J	1.7 J
Metals	Mercury	0.17	0.18	0.81	0.81	mg/kg	3.3	8.5	1.3	4.2	2.5
OC Pest	Heptachlor epoxide	NS	NS	NS	NS	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.012 U
OC Pest	Endosulfan sulfate	NS	2.4	4.8	24	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	Aldrin	NS	0.005	0.019	0.097	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	Alpha-BHC	NS	0.02	0.097	0.48	mg/kg	<0.0032 U	<0.0031 U	<0.0043 U	<0.0038 U	<0.0043 U
OC Pest	Beta-BHC	NS	0.036	0.072	0.36	mg/kg	<0.0032 U	<0.0031 U	<0.0043 U	<0.0038 U	<0.0043 U
OC Pest	Delta-BHC	NS	0.04	100	100	mg/kg	<0.0032 U	<0.0031 U	<0.0043 U	<0.0038 U	<0.0043 U
OC Pest	Endosulfan II	NS	2.4	4.8	24	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	4,4-DDT	NS	0.0033	1.7	7.9	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	Endrin ketone	NS	NS	NS	NS	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	Chlordane	0.003	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
OC Pest	Gamma-BHC	NS	0.1	0.28	1.3	mg/kg	<0.0032 U	<0.0031 U	<0.0043 U	<0.0038 U	<0.0043 U
OC Pest	Dieldrin	0.11	0.005	0.039	0.2	mg/kg	<0.0032 U	<0.0031 U	<0.0043 U	<0.0038 U	<0.0043 U
OC Pest	Endrin	NS	0.014	2.2	11	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	Methoxychlor	NS	NS	NS	NS	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	4,4-DDD	NS	0.0033	2.6	13	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	4,4-DDE	NS	0.0033	1.8	8.9	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	Endrin aldehyde	NS	NS	NS	NS	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	Heptachlor	NS	0.042	0.42	2.1	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
OC Pest	Toxaphene	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
OC Pest	Endosulfan I	NS	2.4	4.8	24	mg/kg	<0.011 U	<0.010 U	<0.014 U	<0.013 U	<0.014 U
PCBs	Aroclor 1260	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Aroclor 1254	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Aroclor 1268	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Aroclor 1221	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Aroclor 1232	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Aroclor 1248	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Aroclor 1016	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Polychlorinated biphenyls	0.1	0.1	1	1	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Aroclor 1262	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
PCBs	Aroclor 1242	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U

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Sample Location Depth (ft bgs) Sample Date Sample ID Sample Type						B-46 2-4 2/29/2024 TE-B-46 (0'-4')_022924 Sediment	B-46 4-6 2/29/2024 TE-B-46 (4'-6')_022924 Sediment	B-47 4.5-6.5 2/27/2024 TE-B-47(0'-6.5') Sediment	B-47 6.5-8.5 2/27/2024 TE-B-47(6.5'-8.5') Sediment	B-47 9.5-11.3 2/27/2024 TE-B-47(9.5-11.3) Sediment	B-48 0-2 3/2/2024 TE-B-48 (0-2)_030224 Sediment
Reach						Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 4
BASE_METHOD	Analyte	Technical & Operational Guidance Series (TOGS) 5.1.9 Class A Threshold Values	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted-Residential (RRSCOs)	Unit					
SVOCs	4-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	4-Nitrophenol	NS	NS	NS	NS	mg/kg	<1.1 U	<1.0 U	<1.4 U	<1.3 U	<1.4 U
SVOCs	Benzaldehyde	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	4-Bromophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	Caprolactam	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	2,4-Dimethylphenol	NS	NS	NS	NS	mg/kg	<0.52 U*-	<0.52 U*-	<0.71 U	<0.63 U	<0.71 U
SVOCs	4-Methylphenol	NS	0.33	34	100	mg/kg	0.054 J	0.035 J	<0.71 U	<0.63 U	0.096 J
SVOCs	p-Chloroaniline	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	Phenol	NS	0.33	100	100	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	bis(2-Chloroethyl)ether	NS	NS	NS	NS	mg/kg	<0.052 U	<0.052 U	<0.071 U	<0.063 U	<0.071 U
SVOCs	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	0.042 J
SVOCs	Di-n-octyl phthalate	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	Hexachlorobenzene	NS	0.33	0.33	1.2	mg/kg	<0.052 U	<0.052 U	<0.071 U	<0.063 U	<0.071 U
SVOCs	Anthracene	NS	100	100	100	mg/kg	0.11 J	0.50 J	<0.71 U	0.028 J	0.19 J
SVOCs	2,4-Dichlorophenol	NS	NS	NS	NS	mg/kg	<0.21 U	<0.21 U	<0.29 U	<0.25 U	<0.29 U
SVOCs	2,4-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U
SVOCs	Pyrene	NS	100	100	100	mg/kg	0.31 J	1.2	0.019 J	0.12 J	0.71
SVOCs	Dimethyl phthalate	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U
SVOCs	Dibenzofuran	NS	7	14	59	mg/kg	0.024 J	0.038 J	<0.71 U	<0.63 U	<0.71 U
SVOCs	Atrazine	NS	NS	NS	NS	mg/kg	<0.21 U	<0.21 U	<0.29 U	<0.25 U	<0.29 U
SVOCs	Benzo(g,h,i)perylene	NS	100	100	100	mg/kg	0.080 J	0.16 J	<0.71 U	0.044 J	0.19 J
SVOCs	Indeno(1,2,3-cd)pyrene	NS	0.5	0.5	0.5	mg/kg	0.13	0.22	<0.071 U	0.087	0.27
SVOCs	Benzo(b)fluoranthene	NS	1	1	1	mg/kg	0.19	0.42	<0.071 U	0.071	0.44
SVOCs	Fluoranthene	NS	100	100	100	mg/kg	0.27 J	0.81	<0.71 U	0.10 J	0.62 J
SVOCs	Benzo(k)fluoranthene	NS	0.8	1	3.9	mg/kg	0.071	0.16	<0.071 U	0.043 J	0.15
SVOCs	Acenaphthylene	NS	100	100	100	mg/kg	0.088 J	0.16 J	<0.71 U	0.025 J	0.11 J
SVOCs	Chrysene	NS	1	1	3.9	mg/kg	0.23 J	0.59	<0.71 U	0.089 J	0.48 J
SVOCs	Benzo(a)pyrene	NS	1	1	1	mg/kg	0.21	0.52	<0.071 U	0.086	0.47
SVOCs	2,4-Dinitrophenol	NS	NS	NS	NS	mg/kg	<0.42 U	<0.42 U	<0.57 U	<0.50 U	<0.57 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	NS	NS	NS	mg/kg	<0.42 U	<0.42 U	<0.57 U	<0.50 U	<0.57 U
SVOCs	Dibenz(a,h)anthracene	NS	0.33	0.33	0.33	mg/kg	<0.052 U	0.037 J	<0.071 U	<0.063 U	0.051 J

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						Sample Location Depth (ft bgs) Sample Date Sample ID Sample Type	B-46 2-4 2/29/2024 TE-B-46 (0'-4')_022924 Sediment	B-46 4-6 2/29/2024 TE-B-46 (4'-6')_022924 Sediment	B-47 4.5-6.5 2/27/2024 TE-B-47(0'-6.5') Sediment	B-47 6.5-8.5 2/27/2024 TE-B-47(6.5'-8.5') Sediment	B-47 9.5-11.3 2/27/2024 TE-B-47(9.5-11.3) Sediment	B-48 0-2 3/2/2024 TE-B-48 (0-2)_030224 Sediment
						Reach	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 4
BASE_METHOD	Analyte	Technical & Operational Guidance Series (TOGS) 5.1.9 Class A Threshold Values	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Unit						
SVOCs	Benz(a)anthracene	NS	1	1	1	mg/kg	0.22	0.59	<0.071 U	0.090	0.47	0.29
SVOCs	2,3,4,6-Tetrachlorophenol	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	4-Chloro-3-Methylphenol	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	2,6-Dinitrotoluene	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U	<0.12 U
SVOCs	N-Nitrosodi-n-propylamine	NS	NS	NS	NS	mg/kg	<0.052 U	<0.052 U	<0.071 U	<0.063 U	<0.071 U	<0.061 U
SVOCs	Hexachloroethane	NS	NS	NS	NS	mg/kg	<0.052 U	<0.052 U	<0.071 U	<0.063 U	<0.071 U	<0.061 U
SVOCs	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Hexachlorocyclopentadiene	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Isophorone	NS	NS	NS	NS	mg/kg	<0.21 U	<0.21 U	<0.29 U	<0.25 U	<0.29 U	<0.25 U
SVOCs	Acenaphthene	NS	20	100	100	mg/kg	0.057 J	0.26 J	<0.71 U	<0.63 U	0.059 J	0.020 J
SVOCs	Diethyl phthalate	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Di-n-butyl phthalate	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Phenanthrene	NS	100	100	100	mg/kg	0.15 J	0.70	<0.71 U	0.051 J	0.26 J	0.083 J
SVOCs	Butyl benzyl phthalate	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	N-Nitrosodiphenylamine	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Fluorene	NS	30	100	100	mg/kg	0.055 J	0.11 J	<0.71 U	<0.63 U	0.055 J	<0.61 U
SVOCs	Carbazole	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Hexachloro-1,3-butadiene	NS	NS	NS	NS	mg/kg	<0.11 U	<0.10 U	<0.14 U	<0.13 U	<0.14 U	<0.12 U
SVOCs	Pentachlorophenol	NS	0.8	2.4	6.7	mg/kg	<0.42 U	<0.42 U	<0.57 U	<0.50 U	<0.57 U	<0.49 U
SVOCs	2,4,6-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.21 U	<0.21 U	<0.29 U	<0.25 U	<0.29 U	<0.25 U
SVOCs	2-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	2-Nitrophenol	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Naphthalene	NS	12	100	100	mg/kg	0.23 J	0.22 J	<0.71 U	0.035 J	0.12 J	0.040 J
SVOCs	2-Methylnaphthalene	NS	NS	NS	NS	mg/kg	0.12 J	0.17 J	<0.71 U	0.025 J	0.081 J	<0.61 U
SVOCs	2-Chloronaphthalene	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	3,3-Dichlorobenzidine	NS	NS	NS	NS	mg/kg	<0.21 U	<0.21 U	<0.29 U	<0.25 U	<0.29 U	<0.25 U
SVOCs	1,1-Biphenyl	NS	NS	NS	NS	mg/kg	0.025 J	0.045 J	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	2-Methylphenol	NS	0.33	100	100	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	2-Chlorophenol	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	2,4,5-Trichlorophenol	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Acetophenone	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U
SVOCs	Nitrobenzene	NS	NS	NS	NS	mg/kg	<0.052 U	<0.052 U	<0.071 U	<0.063 U	<0.071 U	<0.061 U
SVOCs	3-Nitroaniline	NS	NS	NS	NS	mg/kg	<0.52 U	<0.52 U	<0.71 U	<0.63 U	<0.71 U	<0.61 U

Sample Location Depth (ft bgs) Sample Date Sample ID Sample Type						B-46 2-4 2/29/2024 TE-B-46 (0'-4')_022924 Sediment	B-46 4-6 2/29/2024 TE-B-46 (4'-6')_022924 Sediment	B-47 4.5-6.5 2/27/2024 TE-B-47(0'-6.5') Sediment	B-47 6.5-8.5 2/27/2024 TE-B-47(6.5'-8.5') Sediment	B-47 9.5-11.3 2/27/2024 TE-B-47(9.5-11.3) Sediment	B-48 0-2 3/2/2024 TE-B-48 (0-2)_030224 Sediment	
Reach						Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 4	
BASE_METHOD	Analyte	Technical & Operational Guidance Series (TOGS) 5.1.9 Class A Threshold Values	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Unit						
VOCs	Ethylbenzene	NS	1	30	41	mg/kg	<0.0030 U	0.0013 J	<0.0035 U	0.0012 J	0.0028 J	<0.0034 UH
VOCs	Styrene (Monomer)	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	cis-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	trans-1,3-Dichloropropene	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,4-Dichlorobenzene	NS	1.8	9.8	13	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,2-Dibromoethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,2-Dichloroethane	NS	0.02	2.3	3.1	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	4-Methyl-2-Pentanone	NS	NS	NS	NS	mg/kg	<0.015 U	<0.016 U	<0.018 U	<0.015 U	<0.021 U	<0.017 UH
VOCs	Methylcyclohexane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Toluene	NS	0.7	100	100	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Chlorobenzene	NS	1.1	100	100	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Cyclohexane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,2,4-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,4-Dioxane	NS	0.1	9.8	13	mg/kg	<0.30 U	<0.31 U	<0.35 U	<0.31 U	<0.43 U	<0.34 UH
VOCs	Chlorodibromomethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Tetrachloroethene	NS	1.3	5.5	19	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	cis-1,2-Dichloroethene	NS	0.25	59	100	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	trans-1,2-Dichloroethene	NS	0.19	100	100	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Methyl-tert-butylether	NS	0.93	62	100	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,3-Dichlorobenzene	NS	2.4	17	49	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Carbon Tetrachloride	NS	0.76	1.4	2.4	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	NS	NS	NS	NS	mg/kg	<0.015 U	<0.016 U	<0.018 U	<0.015 U	<0.021 U	<0.017 UH
VOCs	Acetone	NS	0.05	100	100	mg/kg	0.10	0.14	0.053	0.061	0.076	0.064 H
VOCs	Chloroform	NS	0.37	10	49	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Benzene	0.59	0.06	2.9	4.8	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	0.0011 J	<0.0034 UH
VOCs	1,1,1-Trichloroethane	NS	0.68	100	100	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Bromomethane	NS	NS	NS	NS	mg/kg	<0.0060 U	<0.0062 U	<0.0070 U	<0.0062 U	<0.0085 U	<0.0068 UH
VOCs	Chloromethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Bromochloromethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Chloroethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Vinyl chloride	NS	0.02	0.21	0.9	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Dichloromethane	NS	0.05	51	100	mg/kg	<0.0060 U	<0.0062 U	<0.0070 U	<0.0062 U	<0.0085 U	<0.0068 UH
VOCs	Carbon Disulfide	NS	NS	NS	NS	mg/kg	0.0058	0.0068	0.0034 J	0.0014 J	0.0036 J	0.0029 JH
VOCs	Bromoform	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Bromodichloromethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,1-Dichloroethane	NS	0.27	19	26	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,1-Dichloroethene	NS	0.33	100	100	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	CFC-11	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	CFC-12	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,2-Dichloropropane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	2-Butanone (MEK)	NS	0.12	100	100	mg/kg	0.051	0.030	0.011 J	0.016	0.018 J	0.013 JH
VOCs	1,1,2-Trichloroethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Trichloroethene	NS	0.47	10	21	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Methyl Acetate	NS	NS	NS	NS	mg/kg	<0.015 U	<0.016 U	<0.018 U	<0.015 U	<0.021 U	<0.017 UH
VOCs	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	1,2,3-Trichlorobenzene	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	o-Xylene	NS	NS	NS	NS	mg/kg	<0.0030 U	0.0010 J	<0.0035 U	<0.0031 U	0.0021 J	<0.0034 UH
VOCs	1,2-Dichlorobenzene	NS	1.1	100	100	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH

						Sample Location Depth (ft bgs) Sample Date Sample ID Sample Type	B-46 2-4 2/29/2024 TE-B-46 (0'-4')_022924 Sediment	B-46 4-6 2/29/2024 TE-B-46 (4'-6')_022924 Sediment	B-47 4.5-6.5 2/27/2024 TE-B-47(0'-6.5') Sediment	B-47 6.5-8.5 2/27/2024 TE-B-47(6.5'-8.5') Sediment	B-47 9.5-11.3 2/27/2024 TE-B-47(9.5-11.3) Sediment	B-48 0-2 3/2/2024 TE-B-48 (0-2)_030224 Sediment
						Reach	Reach 6	Reach 6	Reach 6	Reach 6	Reach 6	Reach 4
BASE_METHOD	Analyte	Technical & Operational Guidance Series (TOGS) 5.1.9 Class A Threshold Values	Unrestricted Use Soil Cleanup Objectives (UUSCOs)	Residential Soil Cleanup Objectives (RSCOs)	SO NYSDEC Part 375 Restricted- Residential (RRSCOs)	Unit						
VOCs	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	<0.0043 U	<0.0034 UH
VOCs	Isopropylbenzene	NS	NS	NS	NS	mg/kg	<0.0030 U	<0.0031 U	<0.0035 U	<0.0031 U	0.0016 J	<0.0034 UH
VOCs	m&p-Xylenes	NS	NS	NS	NS	mg/kg	<0.0030 U	0.0011 J	<0.0035 U	<0.0031 U	0.0028 J	<0.0034 UH

Notes:

Concentrations above TOGS 5.1.9 are shaded grey

Concentrations above SO NYSDEC Part 375 Residential are shaded yellow

Concentrations above SO NYSDEC Part 375 Unrestricted Use are shaded blue

Concentrations above RRSCOs are shaded pink

NOTE: SCOs are available for trivalent & hexavalent-chromium, not total chromium. Results are compared to hexavalent-chromium SCOs because they are the more stringent standards. Trivalent-chromium SCOs are shown in brackets.

B – Compound was found in the method blank and the sample.

H – Holding times for preparation or analysis exceeded

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

U - Indicates the analyte was analyzed for but not detected

F1 - MS and/or MSD recovery exceeds control limits

F2 - MS/MSD relative percent difference exceeds control limits

*+ LCS and/or LCSD is outside acceptance limits, high biased

*- LCS and/or LCSD is outside acceptance limits, LOW biased

*1 LCS/LCSD RPD exceeds control limits

*3 ISTD response or retention time outside acceptable limits.

			Sample Location	COMP B-46
			Sample Date	2/29/2024
			Sample ID	COMP TE-B-46 (0-8)_02292024
			Sample Type	Sediment
BASE_METHOD	Analyte	SO NYSDEC Part 371 TCLP Criteria	Unit	
Herbicides	2,4,5-TP (Silvex)	1	mg/l	<0.083 U
Herbicides	2,4,5-T	NS	mg/l	<0.083 U
Herbicides	2,4-D	10	mg/l	<0.083 U
Metals	Lead	5	mg/l	0.65
Metals	Silver	5	mg/l	<0.020 U
Metals	Arsenic	5	mg/l	0.012 J
Metals	Barium	100	mg/l	0.77
Metals	Cadmium	1	mg/l	0.032
Metals	Chromium	5	mg/l	<0.040 U
Metals	Selenium	1	mg/l	<0.025 U
Metals	Mercury	0.2	mg/l	<0.00020 U
OC Pest	Heptachlor epoxide	NS	mg/l	<0.00050 U
OC Pest	Chlordane	0.03	mg/l	<0.0050 U
OC Pest	Gamma-BHC	0.4	mg/l	0.00014 J
OC Pest	Endrin	0.02	mg/l	<0.00050 U
OC Pest	Methoxychlor	10	mg/l	<0.00050 U
OC Pest	Heptachlor	0.008	mg/l	<0.00050 U
OC Pest	Toxaphene	0.5	mg/l	<0.0050 U
SVOCs	1,4-Dichlorobenzene	7.5	mg/l	<0.010 U
SVOCs	Pyridine	35	mg/l	<0.010 U
SVOCs	Hexachlorobenzene	30.13	mg/l	<0.0010 U
SVOCs	2,4-Dinitrotoluene	30.13	mg/l	<0.010 U
SVOCs	3-Methylphenol, 4-Methylphenol	NS	mg/l	0.00099 J
SVOCs	Hexachloroethane	3	mg/l	<0.0020 U
SVOCs	Hexachloro-1,3-butadiene	0.5	mg/l	<0.0020 U
SVOCs	Pentachlorophenol	100	mg/l	<0.030 U
SVOCs	2,4,6-Trichlorophenol	2	mg/l	<0.010 U
SVOCs	2-Methylphenol	4200	mg/l	<0.010 U
SVOCs	2,4,5-Trichlorophenol	400	mg/l	<0.010 U
SVOCs	Nitrobenzene	2	mg/l	<0.0010 U
VOCs	1,2-Dichloroethane	0.5	mg/l	<0.010 U
VOCs	Chlorobenzene	100	mg/l	<0.010 U
VOCs	Tetrachloroethene	0.7	mg/l	<0.010 U
VOCs	Carbon Tetrachloride	0.5	mg/l	<0.010 U
VOCs	Chloroform	6	mg/l	<0.010 U
VOCs	Benzene	0.5	mg/l	<0.010 U
VOCs	Vinyl chloride	0.2	mg/l	<0.010 U
VOCs	1,1-Dichloroethene	0.7	mg/l	<0.010 U
VOCs	2-Butanone (MEK)	200	mg/l	0.020 J
VOCs	Trichloroethene	0.5	mg/l	<0.010 U

No concentrations above the standard SO NYSDEC Part 371 TCLP Criteria

Detections are boldfaced

Qualifiers:

U
J

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/22/2023 FB FB-062223	QAQC 6/23/2023 FB FB-062323	QAQC 6/26/2023 TB TRIP BLANK_062623	QAQC 6/26/2023 FB FB_062623	QAQC 6/27/2023 TB TRIP BLANK-062723	QAQC 6/27/2023 FB FB-062723	QAQC 6/28/2023 TB TRIP BLANK_062823	QAQC 6/28/2023 FB FB_062823	QAQC 6/28/2023 FB FB-062823
Metals	Aluminum (Dissolved)	NS	ug/l	D	--	<40.0 U	--	--	--	--	--	--	--
Metals	Aluminum (Total)	NS	ug/l	T	<40.0 U	<40.0 U	--	<40.0 U	--	16.4 J	--	--	8.5 J
Metals	Antimony (Dissolved)	3	ug/l	D	--	<2.0 U	--	--	--	--	--	--	--
Metals	Antimony (Total)	3	ug/l	T	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
Metals	Arsenic (Dissolved)	25	ug/l	D	--	<2.0 U	--	--	--	--	--	--	--
Metals	Arsenic (Total)	25	ug/l	T	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
Metals	Barium (Dissolved)	1000	ug/l	D	--	<4.0 U	--	--	--	--	--	--	--
Metals	Barium (Total)	1000	ug/l	T	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U	--	--	<4.0 U
Metals	Beryllium (Dissolved)	3	ug/l	D	--	<0.80 U	--	--	--	--	--	--	--
Metals	Beryllium (Total)	3	ug/l	T	<0.80 U	<0.80 U	--	<0.80 U	--	<0.80 U	--	--	<0.80 U
Metals	Cadmium (Dissolved)	5	ug/l	D	--	<2.0 U	--	--	--	--	--	--	--
Metals	Cadmium (Total)	5	ug/l	T	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
Metals	Calcium (Dissolved)	NS	ug/l	D	--	<500 U	--	--	--	--	--	--	--
Metals	Calcium (Total)	NS	ug/l	T	68.0 J	<500 U	--	<500 U	--	<500 U	--	--	<500 U
Metals	Chromium (Dissolved)	50	ug/l	D	--	<4.0 U	--	--	--	--	--	--	--
Metals	Chromium (Total)	50	ug/l	T	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U	--	--	<4.0 U
Metals	Cobalt (Dissolved)	NS	ug/l	D	--	<4.0 U	--	--	--	--	--	--	--
Metals	Cobalt (Total)	NS	ug/l	T	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U	--	--	<4.0 U
Metals	Copper (Dissolved)	200	ug/l	D	--	<4.0 U	--	--	--	--	--	--	--
Metals	Copper (Total)	200	ug/l	T	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U	--	--	<4.0 U
Metals	Iron (Dissolved)	300	ug/l	D	--	<120 U	--	--	--	--	--	--	--
Metals	Iron (Total)	300	ug/l	T	<120 U	<120 U	--	<120 U	--	<120 U	--	--	<120 U
Metals	Lead (Dissolved)	25	ug/l	D	--	<1.2 U	--	--	--	--	--	--	--
Metals	Lead (Total)	25	ug/l	T	<1.2 U	<1.2 U	--	0.30 J	--	0.54 J	--	--	<1.2 U
Metals	Magnesium (Dissolved)	35000	ug/l	D	--	<200 U	--	--	--	--	--	--	--
Metals	Magnesium (Total)	35000	ug/l	T	24.0 J	<200 U	--	<200 U	--	<200 U	--	--	<200 U
Metals	Manganese (Dissolved)	300	ug/l	D	--	<8.0 U	--	--	--	--	--	--	--
Metals	Manganese (Total)	300	ug/l	T	<8.0 U	<8.0 U	--	<8.0 U	--	<8.0 U	--	--	<8.0 U
Metals	Mercury (Dissolved)	0.7	ug/l	D	--	<0.20 U	--	--	--	--	--	--	--
Metals	Mercury (Total)	0.7	ug/l	T	<0.20 U	<0.20 U	--	<0.20 U	--	<0.20 U	--	--	<0.20 U
Metals	Nickel (Dissolved)	100	ug/l	D	--	<4.0 U	--	--	--	--	--	--	--
Metals	Nickel (Total)	100	ug/l	T	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U	--	--	<4.0 U
Metals	Potassium (Dissolved)	NS	ug/l	D	--	<200 U	--	--	--	--	--	--	--
Metals	Potassium (Total)	NS	ug/l	T	<200 U	<200 U	--	<200 U	--	<200 U	--	--	<200 U
Metals	Selenium (Dissolved)	10	ug/l	D	--	<2.5 U	--	--	--	--	--	--	--
Metals	Selenium (Total)	10	ug/l	T	<2.5 U	<2.5 U	--	<2.5 U	--	<2.5 U	--	--	<2.5 U
Metals	Silver (Dissolved)	50	ug/l	D	--	<2.0 U	--	--	--	--	--	--	--
Metals	Silver (Total)	50	ug/l	T	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
Metals	Sodium (Dissolved)	20000	ug/l	D	--	<500 U	--	--	--	--	--	--	--
Metals	Sodium (Total)	20000	ug/l	T	<500 U	<500 U	--	301 J	--	<500 U	--	--	83.0 J
Metals	Thallium (Dissolved)	0.5	ug/l	D	--	<0.80 U	--	--	--	--	--	--	--
Metals	Thallium (Total)	0.5	ug/l	T	<0.80 U	<0.80 U	--	<0.80 U	--	<0.80 U	--	--	<0.80 U
Metals	Vanadium (Dissolved)	NS	ug/l	D	--	<4.0 U	--	--	--	--	--	--	--
Metals	Vanadium (Total)	NS	ug/l	T	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U	--	--	<4.0 U
Metals	Zinc (Dissolved)	2000	ug/l	D	--	<16.0 U	--	--	--	--	--	--	--
Metals	Zinc (Total)	2000	ug/l	T	2.9 J	<16.0 U	--	<16.0 U	--	2.9 J	--	--	<16.0 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	6/29/2023	7/17/2023	7/17/2023	7/18/2023	7/18/2023	7/22/2023	7/25/2023	7/25/2023	7/26/2023
				Type Sample ID	TB TRIP BLANK-062923	TB TRIP BLANK-071723	FB FB071723	TB TRIP BLANK-071823	FB FB071823	TB TRIP BLANK-072223	TB TRIP BLANK-072523	FB FB072523	FB FB072623
FRACTION													
Metals	Aluminum (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Aluminum (Total)	NS	ug/l	T	--	--	<40.0 U	--	<40.0 U	--	--	<40.0 U	<40.0 U
Metals	Antimony (Dissolved)	3	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Antimony (Total)	3	ug/l	T	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
Metals	Arsenic (Dissolved)	25	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Arsenic (Total)	25	ug/l	T	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
Metals	Barium (Dissolved)	1000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Barium (Total)	1000	ug/l	T	--	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	<4.0 U
Metals	Beryllium (Dissolved)	3	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Beryllium (Total)	3	ug/l	T	--	--	<0.80 U	--	<0.80 U	--	--	<0.80 U	<0.80 U
Metals	Cadmium (Dissolved)	5	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Cadmium (Total)	5	ug/l	T	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
Metals	Calcium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Calcium (Total)	NS	ug/l	T	--	--	<500 U	--	<500 U	--	--	<500 U	<500 U
Metals	Chromium (Dissolved)	50	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Chromium (Total)	50	ug/l	T	--	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	<4.0 U
Metals	Cobalt (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Cobalt (Total)	NS	ug/l	T	--	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	<4.0 U
Metals	Copper (Dissolved)	200	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Copper (Total)	200	ug/l	T	--	--	0.96 J	--	<4.0 U	--	--	<4.0 U	<4.0 U
Metals	Iron (Dissolved)	300	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Iron (Total)	300	ug/l	T	--	--	<120 U	--	<120 U	--	--	<120 U	<120 U
Metals	Lead (Dissolved)	25	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Lead (Total)	25	ug/l	T	--	--	<1.2 U	--	<1.2 U	--	--	<1.2 U	<1.2 U
Metals	Magnesium (Dissolved)	35000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Magnesium (Total)	35000	ug/l	T	--	--	<200 U	--	<200 U	--	--	<200 U	<200 U
Metals	Manganese (Dissolved)	300	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Manganese (Total)	300	ug/l	T	--	--	<8.0 U	--	<8.0 U	--	--	<8.0 U	<8.0 U
Metals	Mercury (Dissolved)	0.7	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Mercury (Total)	0.7	ug/l	T	--	--	<0.20 U	--	<0.20 U	--	--	<0.20 U	<0.20 U
Metals	Nickel (Dissolved)	100	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Nickel (Total)	100	ug/l	T	--	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	<4.0 U
Metals	Potassium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Potassium (Total)	NS	ug/l	T	--	--	65.8 J	--	<200 U	--	--	<200 U	<200 U
Metals	Selenium (Dissolved)	10	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Selenium (Total)	10	ug/l	T	--	--	<2.5 U	--	<2.5 U	--	--	<2.5 U	<2.5 U
Metals	Silver (Dissolved)	50	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Silver (Total)	50	ug/l	T	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
Metals	Sodium (Dissolved)	20000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Sodium (Total)	20000	ug/l	T	--	--	<500 U	--	<500 U	--	--	69.1 J	<500 U
Metals	Thallium (Dissolved)	0.5	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Thallium (Total)	0.5	ug/l	T	--	--	<0.80 U	--	<0.80 U	--	--	<0.80 U	<0.80 U
Metals	Vanadium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Vanadium (Total)	NS	ug/l	T	--	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	<4.0 U
Metals	Zinc (Dissolved)	2000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Zinc (Total)	2000	ug/l	T	--	--	<16.0 U	--	<16.0 U	--	--	<16.0 U	<16.0 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 7/28/2023 TB TRIP BLANK-072823	QAQC 8/9/2023 FB FB080923	QAQC 8/10/2023 TB TRIP BLANK-081023	QAQC 8/10/2023 FB FB081023	QAQC 8/11/2023 TB TRIP BLANK-081123	QAQC 8/14/2023 TB TRIP BLANK-081423	QAQC 8/14/2023 FB FB081423	QAQC 8/16/2023 TB TRIP BLANK-081623	QAQC 8/16/2023 FB FB081623
Metals	Aluminum (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Aluminum (Total)	NS	ug/l	T	--	<40.0 U	--	<40.0 U	--	--	<40.0 U	--	<40.0 U
Metals	Antimony (Dissolved)	3	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Antimony (Total)	3	ug/l	T	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
Metals	Arsenic (Dissolved)	25	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Arsenic (Total)	25	ug/l	T	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
Metals	Barium (Dissolved)	1000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Barium (Total)	1000	ug/l	T	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	--	<4.0 U
Metals	Beryllium (Dissolved)	3	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Beryllium (Total)	3	ug/l	T	--	<0.80 U	--	<0.80 U	--	--	<0.80 U	--	<0.80 U
Metals	Cadmium (Dissolved)	5	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Cadmium (Total)	5	ug/l	T	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
Metals	Calcium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Calcium (Total)	NS	ug/l	T	--	<500 U	--	<500 U	--	--	<500 U	--	<500 U
Metals	Chromium (Dissolved)	50	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Chromium (Total)	50	ug/l	T	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	--	<4.0 U
Metals	Cobalt (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Cobalt (Total)	NS	ug/l	T	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	--	<4.0 U
Metals	Copper (Dissolved)	200	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Copper (Total)	200	ug/l	T	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	--	<4.0 U
Metals	Iron (Dissolved)	300	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Iron (Total)	300	ug/l	T	--	<120 U	--	<120 U	--	--	<120 U	--	<120 U
Metals	Lead (Dissolved)	25	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Lead (Total)	25	ug/l	T	--	<1.2 U	--	<1.2 U	--	--	<1.2 U	--	<1.2 U
Metals	Magnesium (Dissolved)	35000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Magnesium (Total)	35000	ug/l	T	--	<200 U	--	<200 U	--	--	<200 U	--	<200 U
Metals	Manganese (Dissolved)	300	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Manganese (Total)	300	ug/l	T	--	<8.0 U	--	<8.0 U	--	--	<8.0 U	--	<8.0 U
Metals	Mercury (Dissolved)	0.7	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Mercury (Total)	0.7	ug/l	T	--	<0.20 U	--	<0.20 U	--	--	<0.20 U	--	<0.20 U
Metals	Nickel (Dissolved)	100	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Nickel (Total)	100	ug/l	T	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	--	<4.0 U
Metals	Potassium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Potassium (Total)	NS	ug/l	T	--	<200 U	--	<200 U	--	--	<200 U	--	85.8 J
Metals	Selenium (Dissolved)	10	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Selenium (Total)	10	ug/l	T	--	<2.5 U	--	<2.5 U	--	--	<2.5 U	--	<2.5 U
Metals	Silver (Dissolved)	50	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Silver (Total)	50	ug/l	T	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
Metals	Sodium (Dissolved)	20000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Sodium (Total)	20000	ug/l	T	--	<500 U	--	<500 U	--	--	<500 U	--	<500 U
Metals	Thallium (Dissolved)	0.5	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Thallium (Total)	0.5	ug/l	T	--	<0.80 U	--	<0.80 U	--	--	<0.80 U	--	<0.80 U
Metals	Vanadium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Vanadium (Total)	NS	ug/l	T	--	<4.0 U	--	<4.0 U	--	--	<4.0 U	--	<4.0 U
Metals	Zinc (Dissolved)	2000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Zinc (Total)	2000	ug/l	T	--	<16.0 U	--	<16.0 U	--	--	<16.0 U	--	<16.0 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 8/30/2023 TB TRIP BLANK-083023	QAQC 8/30/2023 FB FIELD BLANK-083023	QAQC 9/6/2023 TB TRIP BLANK-090623	QAQC 9/6/2023 FB FB090623	QAQC 2/27/2024 FB FB022724	QAQC 2/29/2024 TB TB_022924	QAQC 2/29/2024 FB FB022924	QAQC 3/2/2024 TB TB_030224	QAQC 3/2/2024 FB FB030224
Metals	Aluminum (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Aluminum (Total)	NS	ug/l	T	--	<40.0 U	--	<40.0 U	<40.0 U	--	<40.0 U	--	<40.0 U
Metals	Antimony (Dissolved)	3	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Antimony (Total)	3	ug/l	T	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
Metals	Arsenic (Dissolved)	25	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Arsenic (Total)	25	ug/l	T	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
Metals	Barium (Dissolved)	1000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Barium (Total)	1000	ug/l	T	--	<4.0 U	--	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U
Metals	Beryllium (Dissolved)	3	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Beryllium (Total)	3	ug/l	T	--	<0.80 U	--	<0.80 U	<0.80 U	--	<0.80 U	--	<0.80 U
Metals	Cadmium (Dissolved)	5	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Cadmium (Total)	5	ug/l	T	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
Metals	Calcium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Calcium (Total)	NS	ug/l	T	--	<500 U	--	<500 U	<500 U	--	110 J	--	<500 U
Metals	Chromium (Dissolved)	50	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Chromium (Total)	50	ug/l	T	--	<4.0 U	--	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U
Metals	Cobalt (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Cobalt (Total)	NS	ug/l	T	--	<4.0 U	--	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U
Metals	Copper (Dissolved)	200	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Copper (Total)	200	ug/l	T	--	<4.0 U	--	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U
Metals	Iron (Dissolved)	300	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Iron (Total)	300	ug/l	T	--	<120 U	--	<120 U	<120 U	--	<120 U	--	<120 U
Metals	Lead (Dissolved)	25	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Lead (Total)	25	ug/l	T	--	<1.2 U	--	<1.2 U	<1.2 U	--	<1.2 U	--	<1.2 U
Metals	Magnesium (Dissolved)	35000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Magnesium (Total)	35000	ug/l	T	--	<200 U	--	<200 U	<200 U	--	<200 U	--	<200 U
Metals	Manganese (Dissolved)	300	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Manganese (Total)	300	ug/l	T	--	<8.0 U	--	<8.0 U	<8.0 U	--	<8.0 U	--	<8.0 U
Metals	Mercury (Dissolved)	0.7	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Mercury (Total)	0.7	ug/l	T	--	<0.20 U	--	<0.20 U	<0.20 U	--	<0.20 U	--	<0.20 U
Metals	Nickel (Dissolved)	100	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Nickel (Total)	100	ug/l	T	--	<4.0 U	--	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U
Metals	Potassium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Potassium (Total)	NS	ug/l	T	--	<200 U	--	<200 U	<200 U	--	<200 U	--	<200 U
Metals	Selenium (Dissolved)	10	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Selenium (Total)	10	ug/l	T	--	<2.5 U	--	<2.5 U	<2.5 U	--	<2.5 U	--	<2.5 U
Metals	Silver (Dissolved)	50	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Silver (Total)	50	ug/l	T	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
Metals	Sodium (Dissolved)	20000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Sodium (Total)	20000	ug/l	T	--	<500 U	--	<500 U	<500 U	--	<500 U	--	<500 U
Metals	Thallium (Dissolved)	0.5	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Thallium (Total)	0.5	ug/l	T	--	<0.80 U	--	<0.80 U	<0.80 U	--	<0.80 U	--	<0.80 U
Metals	Vanadium (Dissolved)	NS	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Vanadium (Total)	NS	ug/l	T	--	<4.0 U	--	<4.0 U	<4.0 U	--	<4.0 U	--	<4.0 U
Metals	Zinc (Dissolved)	2000	ug/l	D	--	--	--	--	--	--	--	--	--
Metals	Zinc (Total)	2000	ug/l	T	--	<16.0 U	--	<16.0 U	<16.0 U	--	<16.0 U	--	<16.0 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/22/2023 FB FB-062223	QAQC 6/23/2023 FB FB-062323	QAQC 6/26/2023 TB TRIP BLANK_062623	QAQC 6/26/2023 FB FB_062623	QAQC 6/27/2023 TB TRIP BLANK-062723	QAQC 6/27/2023 FB FB-062723	QAQC 6/28/2023 TB TRIP BLANK_062823	QAQC 6/28/2023 FB FB_062823	QAQC 6/28/2023 FB FB-062823
OC Pest	4,4-DDD	0.3	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	4,4-DDE	0.2	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	4,4-DDT	0.2	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Aldrin	NS	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Alpha-BHC	0.01	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Beta-BHC	0.04	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Chlordane	NS	ug/l	--	<0.50 U	<0.50 U	--	--	--	<0.50 U	--	--	<0.50 U
OC Pest	Delta-BHC	0.04	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Dieldrin	0.004	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Endosulfan I	NS	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Endosulfan II	NS	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Endosulfan sulfate	NS	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Endrin	NS	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Endrin aldehyde	5	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Endrin ketone	5	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Gamma-BHC	0.05	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Heptachlor	0.04	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Heptachlor epoxide	0.03	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Methoxychlor	35	ug/l	--	<0.020 U	<0.020 U	--	--	--	<0.020 U	--	--	<0.020 U
OC Pest	Toxaphene	0.06	ug/l	--	<0.50 U	<0.50 U	--	--	--	<0.50 U	--	--	<0.50 U
PCBs	Aroclor 1016	0.09	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Aroclor 1221	0.09	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Aroclor 1232	0.09	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Aroclor 1242	0.09	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Aroclor 1248	0.09	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Aroclor 1254	0.09	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Aroclor 1260	0.09	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Aroclor 1262	NS	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Aroclor 1268	NS	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U
PCBs	Polychlorinated biphenyls	NS	ug/l	--	<0.40 U	<0.40 U	--	--	--	<0.40 U	--	--	<0.40 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	6/29/2023	7/17/2023	7/17/2023	7/18/2023	7/18/2023	7/22/2023	7/25/2023	7/25/2023	7/26/2023
				Type Sample ID	TB TRIP BLANK-062923	TB TRIP BLANK-071723	FB FB071723	TB TRIP BLANK-071823	FB FB071823	TB TRIP BLANK-072223	TB TRIP BLANK-072523	FB FB072523	FB FB072623
FRACTION													
OC Pest	4,4-DDD	0.3	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	4,4-DDE	0.2	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	4,4-DDT	0.2	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Aldrin	NS	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Alpha-BHC	0.01	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Beta-BHC	0.04	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Chlordane	NS	ug/l	--	--	--	<0.50 U	--	<0.50 U	--	--	<0.50 U	<0.50 U
OC Pest	Delta-BHC	0.04	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Dieldrin	0.004	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Endosulfan I	NS	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Endosulfan II	NS	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Endosulfan sulfate	NS	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Endrin	NS	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Endrin aldehyde	5	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Endrin ketone	5	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Gamma-BHC	0.05	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Heptachlor	0.04	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Heptachlor epoxide	0.03	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Methoxychlor	35	ug/l	--	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	<0.020 U
OC Pest	Toxaphene	0.06	ug/l	--	--	--	<0.50 U	--	<0.50 U	--	--	<0.50 U	<0.50 U
PCBs	Aroclor 1016	0.09	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Aroclor 1221	0.09	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Aroclor 1232	0.09	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Aroclor 1242	0.09	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Aroclor 1248	0.09	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Aroclor 1254	0.09	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Aroclor 1260	0.09	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Aroclor 1262	NS	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Aroclor 1268	NS	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U
PCBs	Polychlorinated biphenyls	NS	ug/l	--	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	<0.40 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	7/28/2023	8/9/2023	8/10/2023	8/10/2023	8/11/2023	8/14/2023	8/14/2023	8/16/2023	8/16/2023
				Type Sample ID	TB TRIP BLANK-072823	FB FB080923	TB TRIP BLANK-081023	FB FB081023	TB TRIP BLANK-081123	TB TRIP BLANK-081423	FB FB081423	TB TRIP BLANK-081623	FB FB081623
FRACTION													
OC Pest	4,4-DDD	0.3	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	4,4-DDE	0.2	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	4,4-DDT	0.2	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Aldrin	NS	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Alpha-BHC	0.01	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Beta-BHC	0.04	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Chlordane	NS	ug/l	--	--	<0.50 U	--	<0.50 U	--	--	<0.50 U	--	<0.50 U
OC Pest	Delta-BHC	0.04	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Dieldrin	0.004	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Endosulfan I	NS	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Endosulfan II	NS	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Endosulfan sulfate	NS	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Endrin	NS	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Endrin aldehyde	5	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Endrin ketone	5	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Gamma-BHC	0.05	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Heptachlor	0.04	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Heptachlor epoxide	0.03	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Methoxychlor	35	ug/l	--	--	<0.020 U	--	<0.020 U	--	--	<0.020 U	--	<0.020 U
OC Pest	Toxaphene	0.06	ug/l	--	--	<0.50 U	--	<0.50 U	--	--	<0.50 U	--	<0.50 U
PCBs	Aroclor 1016	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1221	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1232	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1242	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1248	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1254	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1260	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1262	NS	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1268	NS	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U
PCBs	Polychlorinated biphenyls	NS	ug/l	--	--	<0.40 U	--	<0.40 U	--	--	<0.40 U	--	<0.40 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	8/30/2023	8/30/2023	9/6/2023	9/6/2023	2/27/2024	2/29/2024	2/29/2024	3/2/2024	3/2/2024
				Type	TB	FB	TB	FB	FB	TB	FB	TB	FB
				Sample ID	TRIP BLANK-083023	FIELD BLANK-083023	TRIP BLANK-090623	FB090623	FB022724	TB_022924	FB022924	TB_030224	FB030224
				FRACTION									
OC Pest	4,4-DDD	0.3	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	4,4-DDE	0.2	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	4,4-DDT	0.2	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Aldrin	NS	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Alpha-BHC	0.01	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Beta-BHC	0.04	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Chlordane	NS	ug/l	--	--	<0.50 U	--	<0.50 U	<0.50 U	--	<0.50 U	--	<0.50 U
OC Pest	Delta-BHC	0.04	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Dieldrin	0.004	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Endosulfan I	NS	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Endosulfan II	NS	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Endosulfan sulfate	NS	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Endrin	NS	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Endrin aldehyde	5	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Endrin ketone	5	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Gamma-BHC	0.05	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Heptachlor	0.04	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Heptachlor epoxide	0.03	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Methoxychlor	35	ug/l	--	--	<0.020 U	--	<0.020 U	<0.020 U	--	<0.020 U	--	<0.020 U
OC Pest	Toxaphene	0.06	ug/l	--	--	<0.50 U	--	<0.50 U	<0.50 U	--	<0.50 U	--	<0.50 U
PCBs	Aroclor 1016	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1221	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1232	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1242	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1248	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1254	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1260	0.09	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1262	NS	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Aroclor 1268	NS	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U
PCBs	Polychlorinated biphenyls	NS	ug/l	--	--	<0.40 U	--	<0.40 U	<0.40 U	--	<0.40 U	--	<0.40 U

BASE_METHODOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/22/2023 FB FB-062223	QAQC 6/23/2023 FB FB-062323	QAQC 6/26/2023 TB TRIP BLANK_062623	QAQC 6/26/2023 FB FB_062623	QAQC 6/27/2023 TB TRIP BLANK-062723	QAQC 6/27/2023 FB FB-062723	QAQC 6/28/2023 TB TRIP BLANK_062823	QAQC 6/28/2023 FB FB_062823	QAQC 6/28/2023 FB FB-062823
SVOCs	1,1-Biphenyl	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	1,2,4,5-Tetrachlorobenzene	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2,3,4,6-Tetrachlorophenol	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2,4,5-Trichlorophenol	1	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2,4,6-Trichlorophenol	1	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2,4-Dichlorophenol	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2,4-Dimethylphenol	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2,4-Dinitrophenol	10	ug/l	--	<40 U	<40 U	--	<40 U	--	<40 U	--	--	<40 U
SVOCs	2,4-Dinitrotoluene	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2,6-Dinitrotoluene	5	ug/l	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
SVOCs	2-Chloronaphthalene	10	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2-Chlorophenol	1	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	ug/l	--	<20 U	<20 U	--	<20 U	--	<20 U	--	--	<20 U
SVOCs	2-Methylnaphthalene	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2-Methylphenol	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2-Nitroaniline	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	2-Nitrophenol	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	3,3-Dichlorobenzidine	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	3-Nitroaniline	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	4-Bromophenyl phenyl ether	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	4-Chloro-3-Methylphenol	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	4-Chlorophenyl phenyl ether	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	4-Methylphenol	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	4-Nitroaniline	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	4-Nitrophenol	NS	ug/l	--	<20 U	<20 U	--	<20 U	--	<20 U	--	--	<20 U
SVOCs	Acenaphthene	20	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Acenaphthylene	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Acetophenone	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Anthracene	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Atrazine	5	ug/l	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U*+	--	--	<2.0 U*+
SVOCs	Benz(a)anthracene	0.002	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	Benzaldehyde	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U*+
SVOCs	Benzo(a)pyrene	NS	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	Benzo(b)fluoranthene	0.002	ug/l	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
SVOCs	Benzo(g,h,i)perylene	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Benzo(k)fluoranthene	0.002	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	bis(2-Chloroethoxy)methane	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	bis(2-Chloroethyl)ether	1	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	bis(2-Ethylhexyl)phthalate	5	ug/l	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/29/2023 TB TRIP BLANK-062923	QAQC 7/17/2023 TB TRIP BLANK-071723	QAQC 7/17/2023 FB FB071723	QAQC 7/18/2023 TB TRIP BLANK-071823	QAQC 7/18/2023 FB FB071823	QAQC 7/22/2023 TB TRIP BLANK-072223	QAQC 7/25/2023 TB TRIP BLANK-072523	QAQC 7/25/2023 FB FB072523	QAQC 7/26/2023 FB FB072623
SVOCs	1,1-Biphenyl	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	1,2,4,5-Tetrachlorobenzene	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2,3,4,6-Tetrachlorophenol	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2,4,5-Trichlorophenol	1	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2,4,6-Trichlorophenol	1	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2,4-Dichlorophenol	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2,4-Dimethylphenol	50	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2,4-Dinitrophenol	10	ug/l	--	--	--	<40 U	--	<40 U	--	--	<40 U	<40 U
SVOCs	2,4-Dinitrotoluene	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2,6-Dinitrotoluene	5	ug/l	--	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
SVOCs	2-Chloronaphthalene	10	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2-Chlorophenol	1	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	ug/l	--	--	--	<20 U	--	<20 U	--	--	<20 U	<20 U
SVOCs	2-Methylnaphthalene	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2-Methylphenol	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2-Nitroaniline	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	2-Nitrophenol	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	3,3-Dichlorobenzidine	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	3-Nitroaniline	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	4-Bromophenyl phenyl ether	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	4-Chloro-3-Methylphenol	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	4-Chlorophenyl phenyl ether	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	4-Methylphenol	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	4-Nitroaniline	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	4-Nitrophenol	NS	ug/l	--	--	--	<20 U	--	<20 U	--	--	<20 U	<20 U
SVOCs	Acenaphthene	20	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	Acenaphthylene	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	Acetophenone	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	Anthracene	50	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	Atrazine	5	ug/l	--	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U*
SVOCs	Benz(a)anthracene	0.002	ug/l	--	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
SVOCs	Benzaldehyde	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U*
SVOCs	Benzo(a)pyrene	NS	ug/l	--	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
SVOCs	Benzo(b)fluoranthene	0.002	ug/l	--	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
SVOCs	Benzo(g,h,i)perylene	NS	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	Benzo(k)fluoranthene	0.002	ug/l	--	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
SVOCs	bis(2-Chloroethoxy)methane	5	ug/l	--	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
SVOCs	bis(2-Chloroethyl)ether	1	ug/l	--	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
SVOCs	bis(2-Ethylhexyl)phthalate	5	ug/l	--	--	--	<2.0 U*	--	<2.0 U	--	--	<2.0 U	<2.0 U

BASE_METHODOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 7/28/2023 TB TRIP BLANK-072823	QAQC 8/9/2023 FB FB080923	QAQC 8/10/2023 TB TRIP BLANK-081023	QAQC 8/10/2023 FB FB081023	QAQC 8/11/2023 TB TRIP BLANK-081123	QAQC 8/14/2023 TB TRIP BLANK-081423	QAQC 8/14/2023 FB FB081423	QAQC 8/16/2023 TB TRIP BLANK-081623	QAQC 8/16/2023 FB FB081623
SVOCs	1,1-Biphenyl	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	1,2,4,5-Tetrachlorobenzene	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2,3,4,6-Tetrachlorophenol	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2,4,5-Trichlorophenol	1	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2,4,6-Trichlorophenol	1	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2,4-Dichlorophenol	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2,4-Dimethylphenol	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2,4-Dinitrophenol	10	ug/l	--	--	<40 U	--	<40 U	--	--	<40 U	--	<40 U
SVOCs	2,4-Dinitrotoluene	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2,6-Dinitrotoluene	5	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
SVOCs	2-Chloronaphthalene	10	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2-Chlorophenol	1	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	ug/l	--	--	<20 U	--	<20 U	--	--	<20 U	--	<20 U
SVOCs	2-Methylnaphthalene	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2-Methylphenol	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2-Nitroaniline	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	2-Nitrophenol	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	3,3-Dichlorobenzidine	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	3-Nitroaniline	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	4-Bromophenyl phenyl ether	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	4-Chloro-3-Methylphenol	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	4-Chlorophenyl phenyl ether	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	4-Methylphenol	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	4-Nitroaniline	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	4-Nitrophenol	NS	ug/l	--	--	<20 U	--	<20 U	--	--	<20 U	--	<20 U
SVOCs	Acenaphthene	20	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Acenaphthylene	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Acetophenone	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Anthracene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Atrazine	5	ug/l	--	--	<2.0 U	--	<2.0 U*	--	--	<2.0 U	--	<2.0 U
SVOCs	Benz(a)anthracene	0.002	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	Benzaldehyde	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Benzo(a)pyrene	NS	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	Benzo(b)fluoranthene	0.002	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
SVOCs	Benzo(g,h,i)perylene	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Benzo(k)fluoranthene	0.002	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	bis(2-Chloroethoxy)methane	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	bis(2-Chloroethyl)ether	1	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	bis(2-Ethylhexyl)phthalate	5	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	8/30/2023	8/30/2023	9/6/2023	9/6/2023	2/27/2024	2/29/2024	2/29/2024	3/2/2024	3/2/2024
				Type	TB	FB	TB	FB	FB	TB	FB	TB	FB
				Sample ID	TRIP BLANK-083023	FIELD BLANK-083023	TRIP BLANK-090623	FB090623	FB022724	TB_022924	FB022924	TB_030224	FB030224
				FRACTION									
SVOCs	1,1-Biphenyl	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	1,2,4,5-Tetrachlorobenzene	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2,2-Oxybis(1-Chloropropane)	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2,3,4,6-Tetrachlorophenol	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2,4,5-Trichlorophenol	1	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2,4,6-Trichlorophenol	1	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2,4-Dichlorophenol	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2,4-Dimethylphenol	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2,4-Dinitrophenol	10	ug/l	--	--	<40 U	--	<40 U	<40 U*	--	<40 U	--	<40 U
SVOCs	2,4-Dinitrotoluene	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2,6-Dinitrotoluene	5	ug/l	--	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
SVOCs	2-Chloronaphthalene	10	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2-Chlorophenol	1	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2-Methyl-4,6-dinitrophenol	NS	ug/l	--	--	<20 U	--	<20 U	<20 U	--	<20 U	--	<20 U
SVOCs	2-Methylnaphthalene	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2-Methylphenol	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2-Nitroaniline	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	2-Nitrophenol	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	3,3-Dichlorobenzidine	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	3-Nitroaniline	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	4-Bromophenyl phenyl ether	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	4-Chloro-3-Methylphenol	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	4-Chlorophenyl phenyl ether	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	4-Methylphenol	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	4-Nitroaniline	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	4-Nitrophenol	NS	ug/l	--	--	<20 U	--	<20 U	<20 U	--	<20 U	--	<20 U
SVOCs	Acenaphthene	20	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Acenaphthylene	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Acetophenone	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Anthracene	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Atrazine	5	ug/l	--	--	<2.0 U*	--	<2.0 U*	<2.0 U*	--	<2.0 U	--	<2.0 U
SVOCs	Benz(a)anthracene	0.002	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	Benzaldehyde	NS	ug/l	--	--	<10 U*	--	<10 U*	<10 U*	--	<10 U	--	<10 U
SVOCs	Benzo(a)pyrene	NS	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	Benzo(b)fluoranthene	0.002	ug/l	--	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
SVOCs	Benzo(g,h,i)perylene	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Benzo(k)fluoranthene	0.002	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	bis(2-Chloroethoxy)methane	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	bis(2-Chloroethyl)ether	1	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	bis(2-Ethylhexyl)phthalate	5	ug/l	--	--	<2.0 U	--	<2.0 U	<2.0 U	--	<1.0 U	--	<2.0 U

BASE_METHODOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/22/2023 FB FB-062223	QAQC 6/23/2023 FB FB-062323	QAQC 6/26/2023 TB TRIP BLANK_062623	QAQC 6/26/2023 FB FB_062623	QAQC 6/27/2023 TB TRIP BLANK-062723	QAQC 6/27/2023 FB FB-062723	QAQC 6/28/2023 TB TRIP BLANK_062823	QAQC 6/28/2023 FB FB_062823	QAQC 6/28/2023 FB FB-062823
SVOCs	Butyl benzyl phthalate	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Caprolactam	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Carbazole	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Chrysene	0.002	ug/l	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
SVOCs	Dibenz(a,h)anthracene	NS	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	Dibenzofuran	NS	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Diethyl phthalate	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Dimethyl phthalate	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Di-n-butyl phthalate	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Di-n-octyl phthalate	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Fluoranthene	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Fluorene	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Hexachloro-1,3-butadiene	0.5	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	Hexachlorobenzene	0.04	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	Hexachlorocyclopentadiene	5	ug/l	--	<10 U*	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Hexachloroethane	5	ug/l	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
SVOCs	Indeno(1,2,3-cd)pyrene	0.002	ug/l	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
SVOCs	Isophorone	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Naphthalene	10	ug/l	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U	--	--	<2.0 U
SVOCs	Nitrobenzene	0.4	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	N-Nitrosodi-n-propylamine	NS	ug/l	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U	--	--	<1.0 U
SVOCs	N-Nitrosodiphenylamine	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	p-Chloroaniline	5	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Pentachlorophenol	1	ug/l	--	<20 U	<20 U	--	<20 U	--	<20 U	--	--	<20 U
SVOCs	Phenanthrene	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Phenol	1	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U
SVOCs	Pyrene	50	ug/l	--	<10 U	<10 U	--	<10 U	--	<10 U	--	--	<10 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	6/29/2023	7/17/2023	7/17/2023	7/18/2023	7/18/2023	7/22/2023	7/25/2023	7/25/2023	7/26/2023
				Type	TB	TB	FB	TB	FB	TB	TB	FB	FB
			Sample ID	TRIP BLANK-062923	TRIP BLANK-071723	FB071723	TRIP BLANK-071823	FB071823	TRIP BLANK-072223	TRIP BLANK-072523	FB072523	FB072623	
			FRACTION										
	SVOCs	Butyl benzyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Caprolactam	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Carbazole	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Chrysene	0.002	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
	SVOCs	Dibenz(a,h)anthracene	NS	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
	SVOCs	Dibenzofuran	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Diethyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Dimethyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Di-n-butyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Di-n-octyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Fluoranthene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Fluorene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Hexachloro-1,3-butadiene	0.5	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
	SVOCs	Hexachlorobenzene	0.04	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
	SVOCs	Hexachlorocyclopentadiene	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Hexachloroethane	5	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
	SVOCs	Indeno(1,2,3-cd)pyrene	0.002	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
	SVOCs	Isophorone	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Naphthalene	10	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	<2.0 U
	SVOCs	Nitrobenzene	0.4	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
	SVOCs	N-Nitrosodi-n-propylamine	NS	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	<1.0 U
	SVOCs	N-Nitrosodiphenylamine	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	p-Chloroaniline	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Pentachlorophenol	1	ug/l	--	--	<20 U	--	<20 U	--	--	<20 U	<20 U
	SVOCs	Phenanthrene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Phenol	1	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U
	SVOCs	Pyrene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	<10 U

BASE_METHODOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 7/28/2023 TB TRIP BLANK-072823	QAQC 8/9/2023 FB FB080923	QAQC 8/10/2023 TB TRIP BLANK-081023	QAQC 8/10/2023 FB FB081023	QAQC 8/11/2023 TB TRIP BLANK-081123	QAQC 8/14/2023 TB TRIP BLANK-081423	QAQC 8/14/2023 FB FB081423	QAQC 8/16/2023 TB TRIP BLANK-081623	QAQC 8/16/2023 FB FB081623
SVOCs	Butyl benzyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Caprolactam	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Carbazole	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Chrysene	0.002	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
SVOCs	Dibenz(a,h)anthracene	NS	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	Dibenzofuran	NS	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Diethyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Dimethyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Di-n-butyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Di-n-octyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Fluoranthene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Fluorene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Hexachloro-1,3-butadiene	0.5	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	Hexachlorobenzene	0.04	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	Hexachlorocyclopentadiene	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Hexachloroethane	5	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
SVOCs	Indeno(1,2,3-cd)pyrene	0.002	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
SVOCs	Isophorone	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Naphthalene	10	ug/l	--	--	<2.0 U	--	<2.0 U	--	--	<2.0 U	--	<2.0 U
SVOCs	Nitrobenzene	0.4	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	N-Nitrosodi-n-propylamine	NS	ug/l	--	--	<1.0 U	--	<1.0 U	--	--	<1.0 U	--	<1.0 U
SVOCs	N-Nitrosodiphenylamine	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	p-Chloroaniline	5	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Pentachlorophenol	1	ug/l	--	--	<20 U	--	<20 U	--	--	<20 U	--	<20 U
SVOCs	Phenanthrene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Phenol	1	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U
SVOCs	Pyrene	50	ug/l	--	--	<10 U	--	<10 U	--	--	<10 U	--	<10 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	8/30/2023	8/30/2023	9/6/2023	9/6/2023	2/27/2024	2/29/2024	2/29/2024	3/2/2024	3/2/2024
				Type Sample ID	TB TRIP BLANK-083023	FB FIELD BLANK-083023	TB TRIP BLANK-090623	FB FB090623	FB FB022724	TB TB_022924	FB FB022924	TB TB_030224	FB FB030224
				FRACTION									
SVOCs	Butyl benzyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Caprolactam	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Carbazole	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Chrysene	0.002	ug/l	--	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
SVOCs	Dibenz(a,h)anthracene	NS	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	Dibenzofuran	NS	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Diethyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Dimethyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Di-n-butyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Di-n-octyl phthalate	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Fluoranthene	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Fluorene	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Hexachloro-1,3-butadiene	0.5	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	Hexachlorobenzene	0.04	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	Hexachlorocyclopentadiene	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Hexachloroethane	5	ug/l	--	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
SVOCs	Indeno(1,2,3-cd)pyrene	0.002	ug/l	--	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
SVOCs	Isophorone	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Naphthalene	10	ug/l	--	--	<2.0 U	--	<2.0 U	<2.0 U	--	<2.0 U	--	<2.0 U
SVOCs	Nitrobenzene	0.4	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	N-Nitrosodi-n-propylamine	NS	ug/l	--	--	<1.0 U	--	<1.0 U	<1.0 U	--	<1.0 U	--	<1.0 U
SVOCs	N-Nitrosodiphenylamine	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	p-Chloroaniline	5	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Pentachlorophenol	1	ug/l	--	--	<20 U	--	<20 U	<20 U	--	<20 U	--	<20 U
SVOCs	Phenanthrene	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Phenol	1	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U
SVOCs	Pyrene	50	ug/l	--	--	<10 U	--	<10 U	<10 U	--	<10 U	--	<10 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/22/2023 FB FB-062223	QAQC 6/23/2023 FB FB-062323	QAQC 6/26/2023 TB TRIP BLANK_062623	QAQC 6/26/2023 FB FB_062623	QAQC 6/27/2023 TB TRIP BLANK-062723	QAQC 6/27/2023 FB FB-062723	QAQC 6/28/2023 TB TRIP BLANK_062823	QAQC 6/28/2023 FB FB_062823	QAQC 6/28/2023 FB FB-062823
VOCs	1,1,1-Trichloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--	<1.0 U	--
VOCs	1,1,2,2-Tetrachloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,1,2-Trichloroethane	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,1-Dichloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,1-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,2,3-Trichlorobenzene	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*+	<1.0 U*+	<1.0 U	<1.0 U	--
VOCs	1,2,4-Trichlorobenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,2-Dibromo-3-chloropropane	0.04	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,2-Dibromoethane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,2-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,2-Dichloroethane	0.6	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,2-Dichloropropane	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,3-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	1,4-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	2-Butanone (MEK)	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	--
VOCs	4-Methyl-2-Pentanone	NS	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	--
VOCs	Acetone	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	--
VOCs	Benzene	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Bromochloromethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Bromodichloromethane	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Bromoform	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Bromomethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*+	<1.0 U*+	<1.0 U	<1.0 U	--
VOCs	Carbon Disulfide	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Carbon Tetrachloride	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	CFC-11	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	CFC-12	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Chlorobenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Chlorodibromomethane	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Chloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Chloroform	7	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Chloromethane	NS	ug/l	--	0.46 J	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	cis-1,2-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	cis-1,3-Dichloropropene	0.4	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Cyclohexane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Dichloromethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/29/2023 TB TRIP BLANK-062923	QAQC 7/17/2023 TB TRIP BLANK-071723	QAQC 7/17/2023 FB FB071723	QAQC 7/18/2023 TB TRIP BLANK-071823	QAQC 7/18/2023 FB FB071823	QAQC 7/22/2023 TB TRIP BLANK-072223	QAQC 7/25/2023 TB TRIP BLANK-072523	QAQC 7/25/2023 FB FB072523	QAQC 7/26/2023 FB FB072623
VOCs	1,1,1-Trichloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2,2-Tetrachloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2-Trichloroethane	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1-Dichloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2,3-Trichlorobenzene	NS	ug/l	--	<1.0 U	<1.0 U*+	<1.0 U*+	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2,4-Trichlorobenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dibromo-3-chloropropane	0.04	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dibromoethane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*	<1.0 U	<1.0 U	<1.0 U*
VOCs	1,2-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*+	<1.0 U*+	<1.0 U
VOCs	1,2-Dichloroethane	0.6	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichloropropane	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,3-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,4-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	2-Butanone (MEK)	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	4-Methyl-2-Pentanone	NS	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Acetone	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Benzene	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromochloromethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromodichloromethane	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromoform	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromomethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*+	<1.0 U*+	<1.0 U
VOCs	Carbon Disulfide	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Carbon Tetrachloride	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	CFC-11	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*+	<1.0 U*+	<1.0 U
VOCs	CFC-12	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*+	<1.0 U*+	<1.0 U
VOCs	Chlorobenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chlorodibromomethane	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloroform	7	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloromethane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	cis-1,2-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	cis-1,3-Dichloropropene	0.4	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Cyclohexane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Dichloromethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 7/28/2023 TB TRIP BLANK-072823	QAQC 8/9/2023 FB FB080923	QAQC 8/10/2023 TB TRIP BLANK-081023	QAQC 8/10/2023 FB FB081023	QAQC 8/11/2023 TB TRIP BLANK-081123	QAQC 8/14/2023 TB TRIP BLANK-081423	QAQC 8/14/2023 FB FB081423	QAQC 8/16/2023 TB TRIP BLANK-081623	QAQC 8/16/2023 FB FB081623
VOCs	1,1,1-Trichloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2,2-Tetrachloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2-Trichloroethane	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1-Dichloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2,3-Trichlorobenzene	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2,4-Trichlorobenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dibromo-3-chloropropane	0.04	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dibromoethane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*	<1.0 U*	<1.0 U*	<1.0 U	<1.0 U
VOCs	1,2-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichloroethane	0.6	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichloropropane	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,3-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,4-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	2-Butanone (MEK)	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	4-Methyl-2-Pentanone	NS	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Acetone	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Benzene	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromochloromethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromodichloromethane	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromoform	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromomethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Carbon Disulfide	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U*	<1.0 U*	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Carbon Tetrachloride	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	CFC-11	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	CFC-12	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chlorobenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chlorodibromomethane	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloroform	7	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloromethane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	0.67 J	<1.0 U	0.40 J	<1.0 U
VOCs	cis-1,2-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	cis-1,3-Dichloropropene	0.4	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*	<1.0 U*	<1.0 U*	<1.0 U	<1.0 U
VOCs	Cyclohexane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Dichloromethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	8/30/2023	8/30/2023	9/6/2023	9/6/2023	2/27/2024	2/29/2024	2/29/2024	3/2/2024	3/2/2024
				Type	TB	FB	TB	FB	FB	TB	FB	TB	FB
Sample ID				TRIP BLANK-083023	FIELD BLANK-083023	TRIP BLANK-090623	FB090623	FB022724	TB_022924	FB022924	TB_030224	FB030224	
FRACTION													
VOCs	1,1,1-Trichloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2,2-Tetrachloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2-trichloro-1,2,2-trifluoroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1,2-Trichloroethane	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1-Dichloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,1-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2,3-Trichlorobenzene	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2,4-Trichlorobenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dibromo-3-chloropropane	0.04	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dibromoethane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichloroethane	0.6	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,2-Dichloropropane	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,3-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	1,4-Dichlorobenzene	3	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	2-Butanone (MEK)	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	4-Methyl-2-Pentanone	NS	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Acetone	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Benzene	1	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromochloromethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromodichloromethane	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromoform	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Bromomethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Carbon Disulfide	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Carbon Tetrachloride	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	CFC-11	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	CFC-12	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chlorobenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chlorodibromomethane	50	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloroethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloroform	7	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Chloromethane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	cis-1,2-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	cis-1,3-Dichloropropene	0.4	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Cyclohexane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Dichloromethane	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U

BASE_METHODOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/22/2023 FB FB-062223	QAQC 6/23/2023 FB FB-062323	QAQC 6/26/2023 TB TRIP BLANK_062623	QAQC 6/26/2023 FB FB_062623	QAQC 6/27/2023 TB TRIP BLANK-062723	QAQC 6/27/2023 FB FB-062723	QAQC 6/28/2023 TB TRIP BLANK_062823	QAQC 6/28/2023 FB FB_062823	QAQC 6/28/2023 FB FB-062823
VOCs	Ethylbenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Isopropylbenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	m&p-Xylenes	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Methyl Acetate	NS	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U*+	<5.0 U*+	<5.0 U*+	<5.0 U*+	--
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	--
VOCs	Methylcyclohexane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Methyl-tert-butylether	10	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	o-Xylene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Styrene (Monomer)	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Tetrachloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Toluene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	trans-1,2-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	trans-1,3-Dichloropropene	0.4	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Trichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--
VOCs	Vinyl chloride	2	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	--

Detections are boldfaced

TB - Trip Blank

FB - Field Blank

-- Not Analyzed

D - Dissolved

T - Total

Qualifiers:	
U	The analyte was not detected above the reported sample detection limit. The associated value is the analyte reporting limit.
J	The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
B	Compound was found in sample as well as associated blank
*+	LCS and/or LCSD is outside acceptance limits, high biased
*-	LCS and/or LCSD is outside acceptance limits, low biased

BASE_METHODOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 6/29/2023 TB TRIP BLANK-062923	QAQC 7/17/2023 TB TRIP BLANK-071723	QAQC 7/17/2023 FB FB071723	QAQC 7/18/2023 TB TRIP BLANK-071823	QAQC 7/18/2023 FB FB071823	QAQC 7/22/2023 TB TRIP BLANK-072223	QAQC 7/25/2023 TB TRIP BLANK-072523	QAQC 7/25/2023 FB FB072523	QAQC 7/26/2023 FB FB072623
VOCs	Ethylbenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Isopropylbenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	m&p-Xylenes	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl Acetate	NS	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U*+	<5.0 U*+	<5.0 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Methylcyclohexane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl-tert-butylether	10	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	o-Xylene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U*+	<1.0 U*+	<1.0 U
VOCs	Styrene (Monomer)	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Tetrachloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Toluene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	trans-1,2-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	trans-1,3-Dichloropropene	0.4	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Trichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Vinyl chloride	2	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U

Detections are boldfaced

TB - Trip Blank

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D - Dissolved

T - Total

Qualifiers:	
U	The analyte was not detected above the reported sample detection limit. The associated value is the analyte detection limit.
J	The analyte was positively identified; however, the associated numerical value is an estimated concentration.
B	Compound was found in sample as well as associated blank.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*-	LCS and/or LCSD is outside acceptance limits, low biased.

BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID Date Type Sample ID FRACTION	QAQC 7/28/2023 TB TRIP BLANK-072823	QAQC 8/9/2023 FB FB080923	QAQC 8/10/2023 TB TRIP BLANK-081023	QAQC 8/10/2023 FB FB081023	QAQC 8/11/2023 TB TRIP BLANK-081123	QAQC 8/14/2023 TB TRIP BLANK-081423	QAQC 8/14/2023 FB FB081423	QAQC 8/16/2023 TB TRIP BLANK-081623	QAQC 8/16/2023 FB FB081623
VOCs	Ethylbenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Isopropylbenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	m&p-Xylenes	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl Acetate	NS	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Methylcyclohexane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl-tert-butylether	10	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	o-Xylene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Styrene (Monomer)	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Tetrachloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Toluene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	trans-1,2-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	trans-1,3-Dichloropropene	0.4	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Trichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Vinyl chloride	2	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U

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BASE_METHOD	Analyte	Protection of Groundwater Soil Cleanup Objectives (PGWSCOs)	Units	Location ID	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC	QAQC
				Date	8/30/2023	8/30/2023	9/6/2023	9/6/2023	2/27/2024	2/29/2024	2/29/2024	3/2/2024	3/2/2024
				Type Sample ID	TB TRIP BLANK-083023	FB FIELD BLANK-083023	TB TRIP BLANK-090623	FB FB090623	FB FB022724	TB TB_022924	FB FB022924	TB TB_030224	FB FB030224
				FRACTION									
VOCs	Ethylbenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Isopropylbenzene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	m&p-Xylenes	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl Acetate	NS	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Methyl N-Butyl Ketone (2-Hexanone)	50	ug/l	--	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U	<5.0 U
VOCs	Methylcyclohexane	NS	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Methyl-tert-butylether	10	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	o-Xylene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Styrene (Monomer)	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Tetrachloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Toluene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	trans-1,2-Dichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	trans-1,3-Dichloropropene	0.4	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Trichloroethene	5	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U
VOCs	Vinyl chloride	2	ug/l	--	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U	<1.0 U

Detections are boldfaced

TB - Trip Blank

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-- Not Analyzed

D - Dissolved

T - Total

Qualifiers:	
U	The analyte was not detected above the reported sample detection limit. The associated value is the analyte detection limit.
J	The analyte was positively identified; however, the associated numerical value is an estimated concentration.
B	Compound was found in sample as well as associated blank.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*-	LCS and/or LCSD is outside acceptance limits, low biased.

Appendix E

Appendix F



Wastewater Quality Control Application for
Discharges Over 10,000 Gallons Per Day

PLEASE PRINT OR TYPE. APPLICANT MUST COMPLETE BOTH PAGES OF THIS FORM. INCORRECT OR INCOMPLETE APPLICATIONS WILL NOT BE REVIEWED. WRITE N/A IF NOT APPLICABLE. PLEASE RETURN COMPLETED FORM TO:

New York City Department of Environmental Protection
Bureau of Wastewater Treatment
Division of Pollution Prevention and Monitoring
Industrial Resource Management and Permitting Section
Wastewater Resource Management Unit
96-05 Horace Harding Expressway, 4th Floor
Corona, NY 11368

1. LOCATION		TAX BLOCK #	LOT#:
PROJECT NAME:			BOROUGH:
HOUSE#:	STREET NAME:		ZIP:
IS THIS A DEP PROJECT? ☐ YES ☐ NO		IS THIS PROJECT DEP FUNDED? ☐ YES ☐ NO	

2. APPLICANT			
LAST NAME:		FIRST NAME:	
LEGAL BUSINESS NAME:		TELEPHONE: ()	
ADDRESS:		CITY:	STATE: ZIP:
CONTACT PERSON:		TELEPHONE: ()	

3. OWNER			
TYPE OF OWNERSHIP: ☐ INDIVIDUAL ☐ CORPORATION ☐ PARTNERSHIP ☐ GOVERNMENT			
☐ OTHER:			
LAST NAME:		FIRST NAME:	
LEGAL BUSINESS NAME/AGENCY:		TELEPHONE: ()	
ADDRESS:		CITY:	STATE: ZIP:

4. PROJECT USE			
☐ RESIDENTIAL		NUMBER OF DWELLING UNITS:	
☐ COMMERCIAL TYPE:		GROSS FLOOR AREA: SQ. FT.	
☐ INDUSTRIAL TYPE:		GROSS FLOOR AREA: SQ. FT.	
☐ OTHER, EXPLAIN:			

5. LOCATION			
OBTAIN FROM BOROUGH OFFICE AND INDICATE THE CORRECT STREET LINES FROM THE CITY PLAN;THE PLOT TO BE BUILT UPON IN RELATION TO THE STREET LINES AND THE PORTION OF THE LOT TO BE OCCUPIED BY THE BUILDING; THE HOUSE NUMBERS AND THE BLOCK AND LOT NUMBERS.			
BLOCK:		LOT(S):	HOUSE NO(S):
DIAGRAM (SHOW ARROW INDICATING NORTH)			

6. WASTEWATER & SEWAGE			
EXISTING AVERAGE:		GALLONS/DAY	PROPOSED AVERAGE: GALLONS/DAY
PROPOSED HOURLY PEAK:		GALLONS/HR.	
IF NO SEWERS AVAILABLE, INDICATE THE METHOD OF DISPOSAL OF WASTEWATER & SEWAGE:			

7. INDUSTRIAL/COMMERCIAL/MANUFACTURING ONLY	
TYPE OF ESTABLISHMENT:	FLOOR AREA: SQ. FT.
WORK AREA: SQ. FT.	STORAGE AREA: SQ. FT.
☐ NEW SEWER CONNECTION AT:	
☐ EXISTING SEWER CONNECTION AT:	
CONNECTION TO: ☐ SANITARY ☐ COMBINED ☐ STORM ☐ OTHER:	
LIST ALL CHEMICALS OR HAZARDOUS WASTES, IF ANY:	
MSDS ATTACHED? ☐ YES ☐ NO	

8. DEWATERING/SPECIAL DISCHARGES	For discharges over 10,000 gallons per day (gpd)	
☐ GROUNDWATER		☐ WASTEWATER
DISCHARGE FLOW RATE: GPD	DURATION: DAYS --OR-- ONE YEAR	(PLEASE INDICATE NUMBER OF DAYS IF LESS THAN ONE YEAR)
☐ GRAVITY	☐ PUMP	PUMP CAPACITY: GPM
DISCHARGE TO (NAME OF WASTEWATER RESOURCE RECOVERY FACILITY):		
DISCHARGE SEWER SIZE: IN.	☐ SANITARY	☐ COMBINED ☐ STORM
MSDS OF CHEMICALS USED ATTACHED: ☐ YES ☐ NO		
NYS LABORATORY ANALYTICAL RESULTS: ☐ ATTACHED ☐ NOT AVAILABLE		
NYSDEC PERMIT: ☐ ATTACHED ☐ NOT AVAILABLE		

9. PRETREATMENT EQUIPMENT		
☐ GREASE INTERCEPTOR	NO. OF UNIT:	SIZE/RATE:
☐ OIL/WATER SEPARATOR	NO. OF UNIT:	SIZE/RATE:
☐ CARBON UNIT	NO. OF UNIT:	SIZE/RATE:
☐ AIR STRIPPER	NO. OF UNIT:	SIZE/RATE:
☐ SETTLING TANK/BASIN	NO. OF UNIT:	SIZE/RATE:
☐ pH NEUTRALIZATION	NO. OF UNIT:	SIZE/RATE:
☐ WIRE BASKET	NO. OF UNIT:	SIZE/RATE:
☐ PLASTER TRAP	NO. OF UNIT:	SIZE/RATE:
☐ AMALGAM SEPARATOR	NO. OF UNIT:	SIZE/RATE:
☐ OTHER, EXPLAIN:		
MANUFACTURER:		SERIAL NUMBER:
MEA/BSA NUMBER:		REAGENT(S):
		GROSS FLOOR AREA: SQ FT.

10. PROJECT DESCRIPTION/HISTORY:

11. STATEMENTS AND SIGNATURES:		
OWNER'S NAME:	OWNER'S SIGNATURE:	DATE:
APPLICANT'S NAME:	APPLICANT'S SIGNATURE:	DATE:
NAME OF NYS PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT:		
SEAL & SIGNATURE (NYS P.E. OR R.A.)	I HAVE PREPARED OR SUPERVISED THE PREPARATION OF THE PLANS, SPECIFICATIONS AND OTHER DOCUMENTS HEREWITH SUBMITTED AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE PLANS AND WORK SHOWN THEREIN COMPLY WITH THE PROVISIONS OF ALL NEW YORK CITY AND STATE CODES AND OTHER APPLICABLE LAWS AND REGULATIONS. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBLILITY OF FINE AND/OR IMPRISONMENT.	
SIGNATURE OF NYS P.E. OR R.A.:		
DATE:		

**NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTEWATER TREATMENT (BWT)
INDUSTRIAL RESOURCE MANAGEMENT AND PERMITTING SECTION**

**PROCEDURE FOR OBTAINING BWT LETTER OF APPROVAL FOR GROUNDWATER
DISCHARGE OVER 10,000 GALLONS PER DAY TO SANITARY OR COMBINED SEWER**

Applicant must submit:

1. One cover letter describing the project in details.
2. One complete Wastewater Quality Control (WQC) application.*
3. One Site Plan (to scale)*. The site plan must indicate, at a minimum:
 - *Location, type (sanitary or combined), and size of the public sewer.*
 - *Existing and proposed sewer connections from the project site to the public sewer line (indicate whether the connecting pipe is above or below ground level).*
 - *Adjacent streets around the project site.*
 - *Location of equipment: pumps, pipes, pretreatment equipment, etc.*
 - *Location(s) of point(s) of discharge (POD).*
 - *Location and description of sampling point location(s).*
 - *Pump capacity (capacities) in gallons per minute (gpm).*
 - *Properly sized and approved pretreatment systems. Manufacturer specifications and engineering must also be submitted.*
 - *A detailed flow/layout diagram of the different types of pretreatment equipment used.*
 - *Clearly drawn property lines of the project site.*
4. An analytical report of the groundwater to be discharged. Samples must be taken downstream from pretreatment equipment if such exists, and be representative of nature of proposed groundwater discharge. All laboratory analyses must be conducted by a New York State Department of Health certified wastewater laboratory for the parameters listed in Table A. The results must be certified by the laboratory and submitted on the laboratory's letterhead. For each sample, the laboratory report must indicate, at a minimum: the date of sampling, time sample was taken, sample location, chain of custody, sampling preservation procedures, analytical techniques used, date of analysis, units of measurement, and the laboratory's sample identification. Where the analytical result reported is below the method detection level, the laboratory report must also indicate the method detection level.

The project name referenced on the analytical report must be identified exactly as it is in the WQC application.
5. If the proposed discharge is **10,000 gallons per day or less**, a Self-Certification Form must be submitted to NYCDEP Bureau of Customer Services, Borough Operations. Any inquiry should be forwarded to dewatering@dep.nyc.gov.
6. If the proposed discharge exceeds 10,000 gallons per day, additional approval must be obtained from the NYCDEP Bureau of Water and Sewer Operations, Chief of Permitting and Compliance. The contact person is Mr. Suresh Kumar, Engineer-In-Charge, and can be reached at (718) 595-5205.
7. Prior to commencement of discharge, the permittee must obtain a Dewatering Permit from respective Borough Office contingent to presenting the Letter(s) of Approval and upfront payment of sewer charges, if required.
8. The Letter of Approval is contingent upon the permittee's compliance with any federal, state, or local requirements applicable to the permitted activity.
9. The application must be signed by:
 - i. The officer or director if owner/applicant is a corporation; or
 - ii. The partner, general and limited, if owner/applicant is a partnership; or
 - iii. The officer, director, partner, or owner if owner/applicant is a limited liability company; or
 - iv. The owner, if owner/applicant is a sole proprietorship
10. All inquiries should be directed to the attention of Sean H. Hulbert, P.E. at (718) 595-4715.

* This document must include **original** stamp and signature of a New York State (NYS) Professional Engineer (P.E.) or Registered Architect (R.A.).

TABLE A

LIMITATIONS FOR EFFLUENT TO *SANITARY OR COMBINED* SEWERS

Parameter¹	Daily Limit	Units	Sample Type	Monthly Limit
Non-polar material ²	50	mg/l	Instantaneous	---
pH	5-12	SUs	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2 0.69	mg/l mg/l	Instantaneous Composite	--- ---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCBs (Total) ³	1	ppb	Composite	---
Total Suspended Solids (TSS)	350	mg/l	Instantaneous	---
CBOD	---	---	Composite	---
Chloride	---	---	Instantaneous	---
Total Nitrogen ⁴	---	---	Composite	---
Total Solids	---	---	Instantaneous	---
Other				

- 1** All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the method detection limit (MDL) and limit of quantitation (LOQ) required by the analytical method that is used to analyze the parameter. If the method does not contain an MDL or LOQ, the lab must use an approved method that does contain an MDL or LOQ. If none of the approved methods contain an MDL or LOQ for that parameter then the lab must develop its own LOQ, and report it with the analytical results.
- 2** Non-polar material means that portion of the oil and grease that is not eliminated from a solution containing N-Hexane, or any other extractant the EPA shall prescribe, by silica gel or any other means of adsorption the EPA shall prescribe.
- 3** Analysis for PCBs is required if duration of a discharge is greater than 10 days. Analysis for PCBs must be done by EPA method 608 with MDL=<65 ppt. PCBs (total) is the sum of PCB-1242 (Arochlor 1242), PCB-1254 (Arochlor 1254), PCB-1221 (Arochlor 1221), PCB-1232 (Arochlor 1232), PCB-1248 (Arochlor 1248), PCB-1260 (Arochlor 1260) and PCB-1016 (Arochlor 1016).
- 4** Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO₂) + Nitrate (NO₃).