PRE-DESIGN INVESTIGATION REPORT

EAST STATION FORMER MGP SITE – 828204

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CERTIFICATION

I, Matthew DeGracia, certify that I am currently a New York state-registered professional engineer and that this Pre-Design Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and DER Green Remediation (DER-31).



NYS Professional Engineer #	Date	Signature
	9/23/2024	

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LIST OF ACRONYMS

ACRONYM	Definition
ALTA	American Land Title Association
ASTM	American Society for Testing and Materials International
bgs	below ground surface
B+L	Bausch + Lomb
bml	below mud line
BMP	Best Management Practices
BTEX	benzene, toluene, ethylbenzene, xylene
CAMP	Community Air Monitoring Plan
CWA	Clean Water Act
DBH	diameter at breast height
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
GPR	ground-penetrating radar
IDW	investigation derived waste
ISS	*in situ* stabilization
mg/kg	milligram per kilogram
mg/L	milligram per liter
MGP	Manufactured Gas Plant
MNA	Monitored Natural Attenuation
NAPL	non-aqueous phase liquid
NAVD88	North American Vertical Datum of 1988
ng/L	nanogram per liter
NWP	Nationwide Permit
NYCRR	New York Codes, Rules, and Regulations
NYNHP	New York Natural Heritage Program
NYSDEC	New York State Department of Environmental Conservation
NYSDOS	New York State Department of State
NYSHPO	New York State Historic Preservation Office
OHWM	ordinary high water mark
PAH	polycyclic aromatic hydrocarbon
PDI	pre-design Investigation
PFAS	Per- and polyfluoroalkyl substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
PGW	Protection of groundwater
PID	photoionization detector
PSHEP	Project Safety, Health, and Environmental Plan
QA/QC	Quality assurance/quality control
RDWP	Remedial Design Work Plan
RGE	Rochester Gas and Electric Corporation
ROD	Record of Decision
SCGs	Standards, Criteria, and Guidance Values
SCO	Soil Cleanup Objective
SGV	Sediment Guidance Value
SMP	Site Management Plan
SOP	Standard Operating Procedures
SPT	standard penetration testing
SVOC	semivolatile organic compound
TCL	target compound list
ug/kg	microgram per kilogram
ug/L	microgram per liter
USACE	U.S. Army Corps of Engineers
USCS	Unified Soil Classification System
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
VOC	volatile organic compound
WOTUS	Waters of the United States
WQC	Water Quality Certification

1.0 INTRODUCTION

This Pre-Design Investigation (PDI) Report serves to present the results of field work conducted during the PDI as proposed in the NYSDEC-approved PDI and Remedial Design Work Plan (PDI/RDWP; Parsons 2023). All work was completed in accordance with the project-specific Project Safety, Health, and Environmental Plan (PSHEP; included in the PDI/RDWP Parsons, 2023).

In addition to this introductory section, this PDI Report is organized as follows:

- Section 2.0 – Background Information
- Section 3.0 – Selected Remedy/Remedial Action
- Section 4.0 – PDI Tasks
- Section 5.0 – PDI Results
- Section 6.0 – Permits
- Section 7.0 – Conclusions
- Section 8.0 – References

2.0 BACKGROUND INFORMATION

The Rochester Gas and Electric Corporation (RGE) East Station Former Manufactured Gas Plant (MGP) site (Site, New York State Department of Environmental Conservation NYSDEC]) Division of Environmental Remediation [DER] Site No. 828204) is located in an industrial/commercial area of Rochester, Monroe County, New York. The Site (Tax Parcel No. 106.53-1-10) is approximately 13.4 acres in size and is bordered to the west by the Genesee River and a New York state-owned parcel (Tax Parcel No. 106.53-1-9), to the north by a former Bausch and Lomb (B+L) manufacturing facility (B+L Property, also referred to as the off-Site property in historical documents, Tax Parcel No. 106.45-1-32), to the east by the Genesee River gorge wall and Suntru Street, and to the south by the Bausch Memorial Bridge.

Due to the presence of MGP-related impacts at the B+L Property and the New York state-owned property, both properties were included in the PDI and will be included in the remedial design and remedial action along with the East Station MGP property and adjacent river sediments. All properties are zoned "M-1 Industrial", and the Site is vacant except for a natural gas regulating station and four remaining buildings that are not used or occupied.

Coal gas manufacturing was performed at the Site from approximately 1872 to 1952, followed by a catalytic reforming process until 1976, when MGP operations ceased. The Site included several gas holders and MGP buildings, which have since been demolished and have had foundations filled in. Prior to April 2018, the Site was tracked under the Voluntary Cleanup Program as Site Number V00358.

A project location map is included as **Figure 1**, and a map of existing Site conditions is included as **Figure 2**.

2.1 Site Topography/Geology/Hydrology

The Site is relatively flat with the gorge wall rising to the east and the river lying to the west.

The properties tend to be underlain by approximately 10 to 20 feet of fill materials over a discontinuous layer of alluvial deposits that are thicker in the eastern portions. Approximately 1 to 3 feet of weathered bedrock is present below the alluvial deposits layer and consists of the Rochester Shale and Irondequoit Limestone formations, which are in turn underlain by several other bedrock formations. Overburden groundwater is typically encountered 6 to 20 feet below ground surface (bgs) and flows westerly toward the Genesee River. The Genesee River, a Class B waterway, flows north adjacent to the Site, eventually discharging to Lake Ontario.

2.2 Nature and Extent of MGP-Related Impacts

A series of investigations have been conducted to determine the nature and extent of contamination at the Site. Contaminants of concern identified in soil, sediment, and groundwater include:

- Volatile organic compounds (VOCs), specifically benzene, toluene, ethylbenzene, and xylenes (BTEX)
- Semivolatile organic compounds (SVOCs), specifically polycyclic aromatic hydrocarbons (PAHs)
- Metals, specifically arsenic, lead, and mercury
- Cyanide
- Coal tar

Additional detail on the nature and extent of contamination can be found in the Record of Decision (ROD), issued in June 2022 (NYSDEC 2022a).

2.3 Human Health Exposure Assessment

A human health exposure assessment was completed as part of the remedial investigation to identify ways in which people may be exposed to site-related contaminants. Contaminants can enter the body through three major pathways - inhalation, dermal contact, or ingestion. This is referred to as exposure.

Access to the Site is restricted by fencing. For people entering the Site, contact with contaminated soil or groundwater is unlikely unless they dig below the ground surface.

People entering the river adjacent to the Site have the potential to come into contact with contaminated river sediments.

People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination.

VOCs in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process is referred to as soil vapor intrusion. Because the Site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern. Soil and groundwater sampling indicates soil vapor intrusion is not a concern for off-site structures.

2.4 Green and Sustainable Remediation

Principles of green and sustainable remediation were considered during implementation of the PDI, and green and sustainable Best Management Practices (BMPs) were performed during the work as appropriate. These BMPs included minimizing vehicle idling, utilizing local subcontractors where possible, and treating and discharging generated wastewater locally at an adjacent site rather than trucking the water farther away for treatment and disposal.

3.0 SELECTED REMEDY/REMEDIAL ACTION

The selected remedy for the Site will include:

- Excavation of impacted soil at the Site, the B+L Property, and the New York state-owned parcel
- Excavation of impacted sediment adjacent to all properties
- Installation and operation of non-aqueous phase liquid (NAPL) recovery systems
- Monitored natural attenuation (MNA) in groundwater.
- Installation of a cover system consisting of clean soil
- Institutional controls in the form of environmental easements for the Site
- Development of a Site Management Plan (SMP)

Both qualitative and quantitative characteristics will be used as the basis for determining if soils and sediments are deemed "impacted" and require removal. Quantitative characteristics will consist of concentrations of chemical parameters and will be compared to standards, criteria, and guidance values (SCGs) including:

- New York state Soil Cleanup Objectives (SCOs) as defined in Title 6, Part 375 of the New York Codes, Rules, and Regulations (6 NYCRR Part 375)
- Hazardous criteria as defined in 6 NYCRR Part 371
- Sediment Guidance Values (SGVs) as defined in "Screening and Assessment of Contaminated Sediment" (NYSDEC 2014)

Additional details on the selected remedy can be found in the ROD (NYSDEC 2022a).

4.0 PRE-DESIGN INVESTIGATION TASKS

4.1 Site Survey

4.1.1 Topographic Survey

Comprehensive topographic and American Land Title Association (ALTA) survey was performed to provide base maps for developing the remedial design. Parsons subcontracted with Bear Land Surveying, a New York state-licensed professional land surveyor, to perform the topographic survey. The topographic survey is included in **Appendix A**.

4.1.2 Bathymetric Survey

A bathymetric survey of the Genesee River was conducted from the concrete bridge pier south of the Smith Street Bridge (located upstream of the Site) to downstream of the railroad bridge at the northern (downstream) end of the Site. The bathymetric survey is included in **Appendix B**. Parsons subcontracted with Aqua Survey, Inc. to perform the bathymetric survey in accordance with United States Army Corps of Engineers (USACE) Engineer Manual EM 1110-2-1003 "Hydrographic Surveying"(USACE 2013).

4.1.3 Geophysical Survey

A geophysical investigation was conducted over the areas slated for investigation work to identify buried utilities and other structures that may be impacted by installing soil borings or during remedial excavations. The geophysical survey was conducted over areas where soil borings were installed and over the anticipated upland excavation limits plus an additional 25 feet extending outward from the excavation limits and boring locations. Any detected utilities were marked out so that their locations can be included in the sitewide topographic survey.

In order to assess the structure and integrity of the concrete retaining wall located on the eastern side of Suntru Street, Ravi Engineering and Land Surveying performed a ground-penetrating radar (GPR) scan of the retaining wall on November 17, 2023. Results of the wall scan will be discussed in the Remedial Design Report for the East Station Site and included as an appendix to that report.

Prior to initiation of Site activities, UDig NY was contacted to locate utility lines that enter and/or cross the property. The geophysical survey was conducted to detect buried structures and subsurface utilities within the specified locations, and/or to trace a particular utility line or system.

4.2 Soil and Sediment Borings

4.2.1 Soil Borings

A total of 28 soil borings were installed to refusal at the Site (**Figure 3A**), and a total of 17 soil borings were installed at the B+L Property (**Figure 3B**). Soil borings were installed to gather information on subsurface materials and to sample for geotechnical characteristics and analytical parameters that will be used in

developing the remedial design. Logs for on-site and off-site soil borings are provided in **Appendix C-1** and **Appendix C-2,** respectively.

4.2.1.1 Soil Boring Installation

Soil borings were advanced using hollow-stem augers, and soils were continuously recovered via split-spoon. Standard penetration testing (SPT) was conducted continuously at all soil borings in accordance with American Society for Testing and Materials (ASTM) D1586. Split-spoon samples were obtained using a standard spoon (2-inch outer diameter and 1.375-inch inner diameter), driven with a 140-pound hammer dropped from 30 inches. The number of hammer blows required to advance the spoon 24 inches was measured in 6-inch increments and recorded. Split-spoon sampling continued until the target depth for each boring was achieved, or refusal was encountered. Refusal was defined as 100 hammer blows required to penetrate 12 inches of material or less.

Soils were visually classified using the Burmister soil classification system (1970) and Unified Soil Classification System (USCS; ASTM International 2018). Soil descriptions were recorded in the field notes or soil boring log forms. Any non-native material present in the soil core was noted and described (type, color, texture, moisture content, etc.) in the field logs. Each soil core was also photographed and screened for the presence of VOCs with a photoionization detector (PID). PID readings were recorded on the boring log and/or field book.

Once all sampling needs were met, each borehole was grouted from total depth to surface. After grouting was complete, the surface and surrounding area was restored to conditions prior to intrusive activities.

Sampling equipment was decontaminated between pushes and soil boring locations by washing equipment using a phosphate-free cleaning solution (e.g., Alconox) along with a distilled water rinse. All “down hole” drilling equipment was decontaminated inside the decontamination pad, using a high-pressure steam wash.

Drill cuttings and decontamination rinsate were containerized in 55-gallon drums and a frac tank and transported to a central waste staging area for further characterization and disposal.

4.2.1.2 Soil Analytical Sampling

Up to four soil samples from each boring were collected and submitted for laboratory analysis based on the following criteria:

- The interval at which the most severe indication of visual or olfactory evidence of NAPL contamination or elevated PID readings is encountered, if any.
- The interval immediately above the shallowest depth at which visual or olfactory evidence of NAPL contamination is encountered, if any.
- The interval directly above the water table, if encountered.
- The bottom of the boring.

Sample intervals and analytical parameters are presented in **Table 1.**

Excess soils and personal protective equipment were placed in U.S. Department of Transportation (USDOT)-approved 55-gallon 17-H type drums. Characterization samples of the investigation derived waste (IDW) were collected and submitted for analyses as presented in **Table 1.**

The IDW was evaluated as nonhazardous based on characterization sample analytical results and was disposed of in accordance with applicable NYSDEC regulations by Clean Harbors Environmental Services, Inc. Bill of Ladings are provided in **Appendix D**.

4.2.1.3 Soil Geotechnical Testing

Geotechnical testing and analysis included logging all soil borings completed at the Site and the B+L Property, including those located near each of the buildings on the Site that have been identified to remain in place during the remedial action, and each of the Bausch Memorial Bridge footings.

Samples were selected based on review of soil boring logs and noted field observations. Geotechnical soil samples were collected and sent to GeoTesting Express for analysis as presented in **Table 1**.

4.2.2 Sediment Sampling

Sediment probing was completed prior to sampling activities to determine the appropriate sampling method. In areas where sediment thickness was greater than one foot, sediment cores were advanced. In areas where sediment was less than or equal to one foot, Ponar dredge sampling was completed. Sampling was attempted at 28 locations as shown in **Table 2** and on **Figure 3C**. Two locations were unable to be sampled due to the presence of zebra mussels and/or insufficient recovery volume. Sediment sampling was conducted to gather information on sediment material characteristics and to sample for total PAHs, which will be used in developing the remedial design.

4.2.2.1 Sediment Core Advancement

Ten sediment cores were collected using direct push methods from a jon boat until refusal was encountered. The sampling vessel was held stationary over the core target by vertical poles (spuds), anchors, or a combination thereof, which were lowered to the river bottom.

Lexan tubes were lowered by hand below mud line (bml) until refusal to retrieve a vertically continuous sediment core sample. Refusal depths ranged from 16 inches to 72 inches bml.

Upon retrieval, each sediment core was logged and classified in the field using the USCS, documented in its entirety via photographs, and screened with a PID. Sediment samples were collected, as described in Section 4.2.2.3 Sediment Analytical Sampling.

4.2.2.2 Sediment Ponar Dredge Sampling Method

In areas where less than one foot of sediment thickness was present and the bottom of the water body was relatively free of macrophytes and woody debris, a Ponar dredge sampler was used to secure sediment samples. Eighteen Ponar dredge samples were collected from a jon boat. The sampling vessel was held stationary over the sampling target by vertical poles (spuds), anchors, or a combination thereof, which were lowered to the river bottom.

The Ponar dredge sampler was connected to a line of sufficient strength to accommodate the weight of the sampler and sample and lowered over the side of the vessel. Tension was maintained on the sampler to keep the jaw mechanism from prematurely closing. Once the sampler contacted the bottom sediments, the tension was relaxed to allow the sampler to release and close. The sampler was retrieved and positioned over a pre-cleaned container of suitable size and composition. Free water was siphoned off from the top of the sediment sample in a manner that avoided loss of sediment. The volume of retrieved sediment was inspected. Where an incomplete sample was retrieved, the material was discarded, and the sampling process was repeated.

Upon retrieval, each Ponar dredge sample was logged and classified in the field using the USCS, documented in its entirety via photographs, and screened with a PID. Sediment logs are included in **Appendix E**. Sediment samples were collected, as described in Section 4.2.2.3 Sediment Analytical Sampling.

4.2.2.3 Sediment Analytical Sampling

Two sediment samples from each sediment core and one sample from each Ponar dredge sampling location were collected and submitted for laboratory analysis for target compound list (TCL) SVOCs by U.S. Environmental Protection Agency (USEPA) SW-846 Method 8270 as listed in **Table 2.** Sediment samples were collected based on the following criteria:

- A depth at which visual or olfactory evidence of NAPL contamination is encountered, if any, or an interval exhibiting elevated PID readings.
- The bottom of the location.

Residual sediments not utilized for laboratory analysis were disposed of in USDOT-approved 55-gallon 17-H type drums along with soil boring cuttings. A characterization sample of the IDW was collected and submitted for as provided in **Table 1.**

4.2.2.4 Sediment Geotechnical Testing

Seven geotechnical sediment samples were collected from finer-grained sediment collected during sediment core and/or Ponar dredge sampling. These samples were analyzed for grain size (sieve analysis) by ASTM D6913 and/or grain size (hydrometer) by ASTM D7928.

4.2.3 Community Air Monitoring

A Community Air Monitoring Plan (CAMP) was implemented for real-time monitoring of VOCs and particulates (i.e., dust) at the upwind and downwind perimeter of each designated work area during intrusive activities in accordance with Appendix H of the PDI/RDWP (Parsons, 2023). Each CAMP monitoring station consisted of one PID and one DustTrak™ monitor to measure VOC and particulate concentrations, respectively.

Downwind VOC and particulate readings indicated that there were no impacts to downwind receptors due to the intrusive investigation activities.

4.3 Groundwater Sampling

A comprehensive round of groundwater sampling was conducted by sampling the monitoring wells shown on **Figures 3A and 3B**. All accessible monitoring wells (108 total wells), including wells not identified for sampling, were attempted to be opened, inspected for current conditions, and gauged. Wells that were sampled were redeveloped a minimum of 24 hours prior to undergoing sampling. Some sampling locations differ from those proposed in the PDI/RDWP due to conditions of the wells at the time of sampling. Of the 33 wells proposed, 11 wells were not able to be sampled as provided in the table below:

Location	Well ID	Reason For Not Sampling
Site	DW-10-04R	Product present (approximately 2.5 feet thick)
B+L Property	DW-12-02I	Product present (approximately 3.0 feet thick)
Site	DW-12-08R	Product present
Site	DW-1R	Product present
Site	DW-3R	Product present
Site	SW-4	Damaged; not sampleable
Site	SW-5	Dry

Location	Well ID	Reason For Not Sampling
B+L Property	DW-12-03M	Unable to locate
Site	MW-1	Unable to locate
Site	SW-10-06	Product present
B+L Property	SW-10-21	Unable to locate

Replacement wells were identified for sampling and were selected based on viability (no product present). Replacement wells selected for sampling were:

- DW-10-03M
- DW-10-04M
- DW-12-01M
- DW-5
- MW-3DR
- MW-6D
- SW-10-09

Groundwater samples were analyzed for parameters previously collected for groundwater at the Site and MNA parameters as presented in **Table 3**.

4.4 Hydrogeological Testing

Hydrogeologic analyses were completed to support the remedial design including design of dewatering during excavation and development of an appropriate MNA plan. The proposed hydrogeologic analyses were intended to support with gaining a detailed understanding of the groundwater hydrodynamic conditions for Site pre-, during, and post-construction conditions, including quantification of static hydraulic gradients, aquifer transmissivity, and influences from boundary conditions (i.e., Genesee River, in situ stabilization/solidification [ISS], bedrock valley, etc.); and estimate dewatering rates required for excavation during the remedial design.

4.4.1 Field Investigation

The field investigation included locating and inspecting existing monitoring wells, redevelopment of wells identified for monitoring, collecting groundwater hydraulic heads, and aquifer testing. Information on existing monitoring well conditions obtained during the comprehensive well assessment described in Section 4.3 was used to select locations for measurement of hydraulic heads and aquifer testing.

4.4.2 Hydrogeologic Testing

Hydrogeological testing, including transient water level monitoring, was completed to collect pertinent information for the Remedial Design. The scope included two main elements:

- Transient water level monitoring at selected locations
- Aquifer pumping tests

The following sections outline the actions completed as part of this study.

4.4.2.1 Transient Water Level Monitoring

measurements were collected December 15, 2023 through January 24, 2024 at a sampling interval of 15 minutes. Following retrieval of the transducers, the data was logged and processed in HOBOware using the Barometric Compensation Assistant and further analyzed for barometric efficiency utilizing a graphical method for estimating its value.

4.4.2.2 Aquifer Pumping Tests

Two long-term aquifer pumping tests were completed over a two-week period from December 4, 2023 – December 15, 2023. The pumping tests were performed in wells EW-01 and EW-03 for 48 and 36 hours, respectively. Continuous water level readings were collected from December 5 – December 8, 2023 for EW-01 and December 11 – December 15, 2023 for EW-03. Transducers were strategically placed in wells that were upgradient and downgradient to the pumping wells along with wells that were near the Genesee River to monitor for changes in the water column for the duration of the test.

Each of the pumping tests were paired and associated with wells to monitor for drawdown using pressure transducers and hand measurements. One of the three planned tests was not completed due to the presence of NAPL that was encountered when drilling well EW-02. The presence of NAPL during the test reduces the utility of transmissivity estimation and complicates water storage and treatment.

The following wells were included as part of the aquifer pumping tests:

- Pumping well EW-01:
  - Upgradient Wells: MW-6, DW-10-01R, SW-10-09* (*pumping piezometer well)
  - Downgradient Wells: RW-3, RW-4, SW-10-10, SW-12-20, MW-8DR
  - Near-River Wells: SW-10-15, MW-3DR, SW-10-12
- Pumping well EW-03
  - Upgradient Wells: SW-12-06, DW-10-01R, MW-6, MW-7
  - Downgradient Wells: SW-12-05*, SW-12-04, DW-12-06R, SW-12-10 (*pumping piezometer well)
  - Near-River Wells: SW-12-01, SW-10-12

Both pumping tests were conducted as constant-rate pumping tests, to the extent practical. Minor changes in flow and short outages occurred due to power supply changes and pump failure, therefore periods of constant-rate were analyzed and/or the tests were analyzed as variable-rate tests.

4.5 Ecological and Habitat Investigations

4.5.1 Mussel and Relocation Survey

To ensure that populations of rare mussels are not impacted or harmed by the required Site activities, a mussel survey will be conducted approximately one year prior to the start of remedial construction to determine if any imperiled mussel species are present at the Site. The mussel survey will be performed following coordination with the NYSDEC Region 8 Permit Administrator and the Bureau of Ecosystem Health.

Although there is mussel occurrence information upstream and downstream of the project Site, little is known about mussel occurrence in this section of the Genesee River. Thirteen species of mussels considered imperiled in New York are known to exist in the Genesee River basin (**Table 4**), although many occur in habitats

that are not present in the Genesee River gorge. Imperiled mussel species are ranked as S1[1] or S2[2] by the New York Natural Heritage Program.

A mussel survey is needed to provide information on mussel presence/absence to guide further activities. The mussel survey will be based on the *2022 New York State Freshwater Mussel Survey Guidelines for Waterbody Disturbance Projects* (NYSDEC 2022b). These guidelines require a timed-search survey within delineated survey cells of 100 square meters or less. The mussel survey will be conducted by a qualified mussel biologist and cover the area of in-water work and buffer areas as required by NYSDEC. A mussel survey plan will be developed and submitted to NYSDEC for approval and issuance of a License to Collect and Possess for Freshwater Mussels.

NYSDEC prefers that the survey be conducted one year prior to the start of any in-water work. A mussel survey will be conducted approximately one year prior to the start of remedial construction to determine if any imperiled mussel species are present at the Site. If the survey finds imperiled mussel species, a relocation site survey will be conducted, and a relocation plan developed. The relocation effort would be conducted the following year to move imperiled mussel species to a safe location before in-water work is started. The results of the mussel survey will be valid for five years.

4.5.2 Vegetation Survey

The vegetation survey was composed of a tree survey and a qualitative vegetation survey. The objective of the vegetation survey was to document the existing ecological communities on Site and the B+L Property, and to identify any existing native communities to inform the restoration design.

The tree survey was conducted by qualified field biologists. Each tree with a diameter at breast height (DBH) greater than three inches was assigned an identification code, identified to species, measured for DBH, and photographed. Discrete tree communities were recorded on field maps and described in qualitative notes.

The qualitative vegetation survey was performed concurrently with the tree survey and produced an inventory of plant species at the Site and the B+L Property to inform the selection of shrub and herbaceous species in the restoration design. During the qualitative vegetation survey, species encountered were identified to the lowest taxonomic resolution possible in the field. Discrete ecological communities were sketched on field maps, and qualitative notes were recorded identifying dominant species and describing community and Site characteristics.

4.5.3 Wetland Delineation and Waters of the U.S. Survey

The wetland delineation and waters of the United States (WOTUS) survey was completed to identify and delineate potential wetlands and other WOTUS occurring within and immediately adjacent to the Site. Identified wetland resources were documented in terms of wetland type, size, and functional value.

Section 404 of the Clean Water Act (CWA) extends authorization to the USACE to regulate activities that affect WOTUS, including wetlands. The USACE issues Section 404 permits for the discharge of dredged or fill material into wetlands and other WOTUS.

[1] Critically imperiled in the state because of extreme rarity (often five or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the state.
[2] Imperiled in the state because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the state.

The presence of wetlands was examined using the guidelines and procedures defined in the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0 (Manuals) (Environmental Laboratory 1987, USACE 2012) . The Manuals provide technical guidance and procedures for identifying and delineating wetlands that may be subject to regulatory authority under Section 404 of the CWA or Section 10 of the Rivers and Harbors Act. The regional supplement addresses regional wetland characteristics and improves the accuracy and efficiency of wetland delineation procedures.

Wetlands are defined in the 1987 Manual by the USACE as "areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions." The USACE three-parameter approach (hydrology, soils, and vegetation) was applied to make routine wetlands determinations in the field. This approach required an on-site inspection of the vegetative composition, soils, and hydrology of an area. At least one positive wetland indicator for each parameter must be evident for a positive wetland determination.

Field surveys were conducted to identify the presence or absence of wetlands within the Site and, if identified, wetland resources in terms of wetland type, size, and functional value were documented. In addition, the location of the ordinary high water mark (OHWM) in this section of the Genesee River was delineated in the field in accordance with USACE Regulatory Guidance Letter No. 05-05 (USACE 2005) and the National Ordinary High Water Mark Field Delineation Manual for Rivers and Streams: Interim Version (USACE 2022).

5.0 PRE-DESIGN INVESTIGATION RESULTS

5.1 Soil Sampling

5.1.1 On-site Soil Results

Soil boring logs are included in **Appendix C**. Validated results detections for on-site and off-site are shown in **Table 5A**. Validated data were compared against:

- Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006; (Commercial, Protection of Groundwater, and Restricted Residential)
- Per- and polyfluoroalkyl substances (PFAS) Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

VOCs

Six VOCs were detected above their respective SCOs (as shown on **Figure 4A**):

- Acetone
- Benzene
- Ethylbenzene
- Methylene chloride
- Toluene
- Xylenes

Acetone was the only detected above the protection of groundwater (PGW) SCO of 50 microgram per kilogram (ug/kg) in one sample collected from PDI-ONSO-024 (23-25 feet) at a concentration of 76 ug/kg.

Benzene was detected in 18 samples collected. Of those 18 samples, one sample was detected above the Commercial SCO of 44,000 ug/kg in PDI-ONSO-024 (17-19 feet) at a concentration of 86,000 ug/kg. Six samples were detected above the Restricted Residential SCO of 4,800 ug/kg with concentrations ranging from 6,600 ug/kg at PDI-ONSO-025 (11-13 feet) to 26,000 ug/kg at PDI-ONSO-010 (13-15 feet). Eleven samples were detected above the PGW SCO of 60 ug/kg with concentrations ranging from 190 ug/kg at PDI-ONSO-015 (21-21.6 feet) to 4,800 ug/kg at PDI-ONSO-028 (5-7 feet).

Ethylbenzene was detected in 29 samples. Three samples were detected above the Restricted SCO of 41,000 ug/kg with concentrations ranging from 43,000 ug/kg at PDI-ONSO-017 (19-21 feet) to 270,000 ug/kg at PDI-ONSO-024 (17-19 feet). Twenty-six samples exceeded the PGW SCO of 1,000 ug/kg with concentrations ranging from 1,100 ug/kg at PDI-ONSO-009 (10-11 feet) to 38,000 ug/kg at PDI-ONSO-016 (15-17 feet).

Methylene chloride was detected above the PGW SCO of 50 ug/kg in three samples. Concentrations ranged from 58 ug/kg at PDI-ONSO-006 (12-13 feet) to 660 ug/kg at PDI-ONSO-028 (11-13 feet). There were no exceedances of the Restricted Residential SCO (100,000 ug/kg).

Toluene was detected in nine samples collected. One sample was detected above the Commercial SCO of 100,000 ug/kg at a concentration of 250,000 ug/kg at PDI-ONSO-024 (17-19 feet). Eight samples were detected above the PGW SCO of 700 ug/kg. Concentrations ranged from 940 ug/kg at PDI-ONSO-025 (11-13 feet) to 2,300 at PDI-ONSO-027 (11-13 feet).

Xylenes were detected in 19 samples. Five samples were detected above the Commercial SCO of 100,000 ug/kg with concentrations ranging from 110,000 ug/kg at PDI-ONSO-025 (11-13 feet) to 350,000 ug/kg at PDI-ONSO-024 (17-19 feet). Eleven samples were detected above the PGW SCO of 1,600 ug/kg with concentrations ranging from 1,900 ug/kg at PDI-ONSO-028 (11-13 feet) to 84,000 ug/kg at PDI-ONSO-016 (5-7 feet).

SVOCs

Seventeen SVOCs were detected above their respective SCOs (as shown on **Figure 4B**): :

- 2-Methylphenol
- 4-Methylphenol
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Chrysene
- Dibenz(a,h)anthracene
- Dibenzofuran
- Fluoranthene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthrene
- Phenol
- Pyrene

2-Methylphenol was detected above the PGW SCOs of 330 ug/kg in two samples. Concentrations ranged from 600 ug/kg at PDI-ONSO-008 (5-7 feet) to 670 ug/kg at PDI-ONSO-004 (5-7 feet).

4-Methylphenol were detected above the PGW SCOs of 330 ug/kg in two samples. Concentrations ranged from 1,400 ug/kg at PDI-ONSO-008 (5-7 feet) to 2,600 ug/kg at PDI-ONSO-004 (5-7 feet).

Acenaphthene and acenaphthylene were only detected above their Commercial SCO of 100,000 ug/kg in the sample collected from PDI-ONSO-024 (17-19 feet) with concentrations of 290,000 ug/kg and 360,000 ug/kg, respectively. There were no exceedances of these compounds above the Restricted Residential or PGW SCOs.

Anthracene was detected above the Commercial SCO of 100,000 ug/kg in two samples. Concentrations were 120,000 ug/kg at PDI-ONSO-010 (17-17.6 feet) and 190,000 ug/kg at PDI-ONSO-010 (13-15 feet). There were no exceedances of these compounds above the Restricted Residential or PGW SCOs.

Benzo(a)anthracene was detected above SCOs in 56 samples collected. Twenty-nine samples were detected above the Commercial SCO of 5,600 ug/kg with concentrations ranging from 8,700 ug/kg at PDI-ONSO-018 (13-15 feet) to 200,000 ug/kg at PDI-ONSO-025 (8-9.5 feet). Twenty-seven samples were detected above the Restricted Residential and PGW SCO, both of which are 1,000 ug/kg. Concentrations ranged from 1,100 ug/kg at PDI-ONSO-011 (1-4 feet) to 5,600 ug/kg at PDI-ONSO-007 (1-5 feet).

Benzo(a)pyrene was detected in 56 samples. Forty-four samples were detected above Commercial and Restricted Residential SCO, both of which are 1,000 ug/kg. Concentrations ranged from 1,200 ug/kg at PDI-ONSO-011 (1-4 feet) to 22,000 ug/kg and PDI-ONSO-010 (9-11 feet). Twelve samples were detected above the PGW SCO of 22,000 ug/kg with concentrations ranging from 24,000 ug/kg at PDI-ONSO-017 (19-21 feet) to 410,000 ug/kg at PDI-ONSO-019 (13-15 feet).

Benzo(b)fluoranthene was detected above SCOs in 56 samples collected. Twenty-nine samples were detected above the Commercial SCO of 5,600 ug/kg with concentrations ranging from 6,100 ug/kg at PDI-ONSO-023 (23-24 feet) to 200,000 ug/kg at PDI-ONSO-025 (11-13 feet). Twelve samples were detected above the Restricted Residential SCO of 1,000 ug/kg with concentrations ranging from 1,100 ug/kg at PDI-ONSO-006 (15-16.3 feet) to 1,500 ug/kg at PDI-ONSO-017 (15-17 feet). Fifteen samples were detected above the PGW

SCO of 1,700 ug/kg with concentrations ranging from 2,100 ug/kg at PDI-ONSO-014 (17-19 feet) to 4,800 ug/kg at PDI-ONSO-017 (21-22 feet).

Chrysene was detected above SCOs in 55 samples collected. Seven samples were detected above the Commercial SCO of 56,000 ug/kg with concentrations ranging from 67,00 ug/kg at PDI-ONSO-010 (17-17.6 feet) to 190,000 ug/kg at PDI-ONSO-025 (8-9.5 feet). Twenty-six samples were detected above the Restricted Residential SCO of 3,900 ug/kg with concentrations ranging from 4,300 ug/kg at PDI-ONSO-019 (21-21.6 feet) to 38,000 ug/kg at PDI-ONSO-025 (5.5-7 feet). Twenty-two samples were detected above the PGW SCO of 1,000 ug/kg with concentrations ranging from 1,100 ug/kg at PDI-ONSO-002 (9-11 feet) to 3,700 ug/kg at PDI-ONSO-025 (17-19 feet).

Dibenz(a,h)anthracene was detected above SCOs in 34 samples collected. All 34 samples were detected above both the Commercial SCO of 560 ug/kg and the Restricted Residential SCO of 330 ug/kg with concentrations ranging from 570 ug/kg at PDI-ONSO-019 (21-21.6 feet) to 22,000 ug/kg at PDI-ONSO-005 (9-11 feet). There were no exceedances of the PGW SCO of 1,000,000 ug/kg.

Dibenzofuran was detected in two samples collected but only above the Restricted Residential SCO of 5,900 ug/kg. Concentrations detected are 60,000 ug/kg at PDI-ONSO-024 (17-19 feet) and 78,000 ug/kg at PDI-ONSO-010 (13-15 feet). There were no exceedances of the Commercial SCO (350,000 ug/kg) or the PGW SCO (210,000 ug/kg).

Fluoranthene was detected in eight samples collected but only above the Restricted Residential SCO of 100,000 ug/kg. Concentrations ranged from 110,000 ug/kg at PDI-ONSO-025 (14-14.5 feet) to 370,000 ug/kg at PDI-ONSO-022 (20-21 feet). There were no exceedances of the Commercial SCO (500,000 ug/kg) or the PGW SCO (1,000,000 ug/kg).

Indeno(1,2,3-cd)pyrene was detected above SCOs in 53 samples collected. Nine samples were detected above the Commercial SCO of 5,600 ug/kg at concentrations ranging from 6,000 ug/kg at PDI-ONSO-017 (19-21 feet) to 65,000 ug/kg at PDI-ONSO-005 (9-11 feet). Thirty-four samples were detected above the Restricted Residential SCO of 500 ug/kg with concentrations ranging from 560 ug/kg at PDI-ONSO-012 (5-7 feet) to 4,900 ug/kg at PDI-ONSO-004 (5-5.5 feet). Ten samples were detected above the PGW SCO of 8,200 ug/kg with concentrations ranging from 9,700 ug/kg at PDI-ONSO-019 (7-9 feet) to 72,000 ug/kg at PDI-ONSO-022 (20-21 feet).

Naphthalene was detected in 27 samples collected. Four samples were detected above the Commercial SCO of 500,000 ug/kg with concentrations ranging from 1,100,000 ug/kg at PDI-ONSO-027 (11-13 feet) to 2,700,000 ug/kg at PDI-ONSO-010 (13-15 feet). Seven samples were detected above the Restricted Residential SCO of 100,000 ug/kg with concentrations ranging from 110,000 ug/kg at PDI-ONSO-017 (19-21 feet) to 470,000 ug/kg at PDI-ONSO-025 (14-14.5 feet). Sixteen samples were detected above the PGW SCO of 12,000 ug/kg with concentrations ranging from 13,000 ug/kg at PDI-ONSO-020 (19-21 feet) to 90,000 ug/kg at PDI-ONSO-014 (11-13 feet).

Phenanthrene was detected above SCOs in nine samples collected. Two samples were detected above the Commercial SCO of 500,000 ug/kg at concentrations of 690,000 ug/kg at PDI-ONSO-010 (13-15 feet) and 1,000,000 ug/kg at PDI-ONSO-024 (17-19 feet). Seven samples were detected above the Restricted Residential SCO of 100,000 ug/kg with concentrations ranging from 120,000 ug/kg at PDI-ONSO-005 (9-11 feet) to 420,000 ug/kg at PDI-ONSO-010 (17-71.6 feet). There were no exceedances of the PGW SCO of 1,000,000 ug/kg.

Phenol was only detected above the PGW SCO of 330 ug/kg in two samples collected. Concentrations were 860 ug/kg at PDI-ONSO-008 (5-7 feet) and 1,200 ug/kg at PDI-ONSO-004 (5-7 feet). There were no exceedances of the Commercial SCO of 500,000 ug/kg or the Restricted Residential SCO of 100,000 ug/kg.

Pyrene was detected in seven samples above the Restricted Residential SCO of 100,000 ug/kg. Concentrations ranged from 170,000 ug/kg at PDI-ONSO-010 (17-17.6 feet) to 420,000 ug/kg at PDI-ONSO-024 (17-19 feet). There were no exceedances of the Commercial SCO of 500,000 ug/kg or the PGW SCO of 1,000,000 ug/kg.

Metals

Five metals were detected above their respective SCOs (as shown on **Figure 4C**):

- Arsenic
- Copper
- Lead
- Selenium
- Mercury

Arsenic was detected above SCOs in 36 samples collected. The value for Commercial, Restricted Residential, and PGW SCOs are all 16 mg/kg. Concentrations ranged from 16.1 mg/kg at PDI-ONSO-016 (15-17 feet) to 6,420 mg/kg at PDI-ONSO-008 (5-7 feet).

Copper was detected above both the Commercial and Restricted Residential SCO of 270 mg/kg in one sample which was collected from PDI-ONSO-008 (5-7 feet) at a concentration of 341 mg/kg. There were no exceedances of the PGW SCO of 1,720 mg/kg.

Lead was detected above SCOs in five samples collected. One sample was detected above the Commercial SCO of 1,000 mg/kg at PDI-ONSO-019 (5-7 feet) at a concentration of 1,020 mg/kg. One sample was detected above the Restricted Residential SCO of 400 mg/kg at PDI-ONSO-021 (23-25 feet) at a concentration of 439 mg/kg. Three samples were detected above the PGW SCO of 450 mg/kg with concentrations ranging from 637 mg/kg at PDI-ONSO-010 (13-15 feet) to 780 mg/kg at PDI-ONSO-009 (10-11 feet).

Selenium was detected above the PGW SCO of 4 mg/kg in one sample which was collected from PDI-ONSO-008 (5-7 feet) at a concentration of 12.9 mg/kg. There were no exceedances of the Commercial SCO of 1,500 mg/kg or the Restricted Residential SCO of 180 mg/kg.

Mercury was detected above SCOs in 16 samples collected. Five samples were detected above the Commercial SCO of 2.8 mg/kg with concentrations ranging from 3.7 mg/kg at PDI-ONSO-009 (10-11 feet) to 8.9 mg/kg at PDI-ONSO-016 (7-9 feet). Eight samples were detected above the Restricted Residential SCO of 0.81 mg/kg with concentrations ranging from 1.0 mg/kg at PDI-ONSO-014 (5-7 feet) to 1.3 mg/kg at PDI-ONSO-021 (23-25 feet). Three samples exceeded the PGW SCO of 0.73 mg/kg with concentrations ranging from 0.78 mg/kg at PDI-ONSO-017 (15-17 feet) to 0.80 mg/kg at PDI-ONSO-004 (5-7 feet).

Cyanide

Cyanide was detected above SCOs in nine samples collected. Three samples were detected above both the Commercial and the Restricted Residential SCO of 27 mg/kg with concentrations ranging from 28.6 mg/kg at PDI-ONSO-009 (10-11 feet) to 39.8 mg/kg at PDI-ONSO-013 (5-6 feet). Six samples were detected above the PGW SCO of 40 mg/kg with concentrations ranging from 68.6 mg/kg at PDI-ONSO-010 (9-11 feet) to 268 mg/kg at PDI-ONSO-019 (13-15 feet).

PFAS

There were no exceedances of PFAS SCOs in samples collected.

NAPL Observations

Odors, including petroleum/fuel odors and naphthalene/mothball odors, were observed within at least one interval for all of the installed soil borings. Petroleum/fuel odors were observed in 26 borings located throughout the Site. Naphthalene/mothball odors were observed in 15 borings located throughout the Site with the exception of the northwest portion of the Site on the upland side of the shoreline ISS wall.

Sheens and staining were observed in 15 of the borings and were frequently located at shallower depths above intervals containing NAPL coating, saturation, and blebs. These observations were made at borings spatially located throughout the Site.

NAPL coating, saturation, and blebs were observed in 14 of the borings located spatially throughout much of the Site, with borings in the northwest and southeast portions of the Site less frequently exhibiting these observations.

5.1.2 Off-site Soil Results

Soil boring logs are included in **Appendix C**. Validated results detections are shown in **Table 5B**. Validated data were compared against:

- SCOs from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006 (Unrestricted)
- PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.
- NYSDEC PGW SCOs; NYCRR Part 375-6.8

VOCs

Four VOCs were detected above their respective SCOs (as shown on **Figure 5A**):

- Acetone
- Benzene
- Methyl Chloride
- Xylenes

Acetone was detected in seven samples collected above the Unrestricted and PGW SCO of 50 ug/kg. Concentrations ranged from 110 ug/kg at PDI-OFFSO-016 (5-7 feet) to 1,400 ug/kg at PDI-OFFSO-008 (13-15 feet).

Benzene was detected in 13 samples collected above the Unrestricted and PGW SCO of 50 ug/kg. Concentrations ranged from 130 ug/kg at PDI-OFFSO-005 (17-18.7 feet) to 8,100 ug/kg at PDI-OFFSO-011 (8-11 feet).

Methyl Chloride was detected in four samples above the Unrestricted and PGW SCO of 50 ug/kg. Concentrations ranged from 53 ug/kg at PDI-OFFSO-015 (11-13 feet) to 130 ug/kg at PDI-OFFSO-016 (23-24.1 feet).

Xylenes were detected above the Unrestricted SCO of 260 mg/kg in one sample which was collected from PDI-OFFSO-008 (13-15 feet) at a concentration of 320 ug/kg. There were no exceedances of the PGW SCO of 1,600 ug/kg.

SVOCs

Nine SVOCs were detected above their respective SCOs (as shown on **Figure 5B**):

- Benzo(A) Anthracene
- Benzo(A)Pyrene
- Benzo(B)Fluoranthene
- Benzo(K)Fluoranthene
- Chrysene
- Dibenz(A,H) Anthracene
- Dibenzofuran
- Indeno(1,2,3-C,D)Pyrene
- Naphthalene

Benzo(A) Anthracene was detected above the Unrestricted and PGW SCO of 1,000 ug/kg in 13 samples collected. Concentrations ranged from 1,100 ug/kg at PDI-OFFSO-016 (23-24.1 feet) to 27,000 ug/kg at PDI-OFFSO-006 (7-9 feet).

Benzo(A)Pyrene was detected in 12 samples above the Unrestricted SCO of 1,000 ug/kg. Concentrations ranged from 1,500 ug/kg at PDI-ONSO-005 (15-17 feet) to 20,000 ug/kg and PDI-ONSO-008 (13-15 feet). . There were no exceedances of the PGW SCO of 22,000 ug/kg.

Benzo(B)Fluoranthene was detected above SCOs in 11 samples collected. Three samples were detected above the Unrestricted SCO of 1,000 ug/kg with concentrations ranging from 1,100 ug/kg at PDI-OFFSO-005 (15-17 feet) to 1,700 ug/kg at PDI-OFFSO-015 (5-7 feet). Eight samples were detected above the PGW SCO of 1,700 ug/kg with concentrations ranging from 2,300 ug/kg at PDI-OFFSO-006 (17-17.6 feet) to 42,000 ug/kg at PDI-OFFSO-006 (7-9 feet).

Benzo(K)Fluoranthene was detected above SCOs in 9 samples collected. Five samples were detected above the Unrestricted SCO of 800 ug/kg with concentrations ranging from 920 ug/kg at PDI-OFFSO-015 (5-7 feet) to 1,600 ug/kg at PDI-OFFSO-001 (11-13 feet). Four samples were detected above the PGW SCO of 1,700 ug/kg with concentrations ranging from 2,900 ug/kg at PDI-OFFSO-008 (7-9 feet) to 23,000 ug/kg at PDI-OFFSO-006 (7-9 feet).

Chrysene was detected above the Unrestricted and PGW SCO of 1,000 ug/kg in 12 samples collected. Concentrations ranged from 1,200 ug/kg at PDI-OFFSO-005 (17-18.7 feet) to 38,000 ug/kg at PDI-OFFSO-006 (7-9 feet).

Dibenz(A,H) Anthracene was detected above the Unrestricted SCO of 330 ug/kg in six samples collected. Concentrations ranged from 400 ug/kg at PDI-OFFSO-006 (17-17.6 feet) to 8,300 ug/kg at PDI-OFFSO-006 (7-9 feet). There were no exceedances of the PGW SCO of 1,000,000 ug/kg.

Dibenzofuran was detected above the Unrestricted SCO of 7,000 ug/kg in one sample collected from PDI-OFFSO-008 (13-15 feet) at a concentration of 8,100 ug/kg.

Indeno(1,2,3-C,D)Pyrene was detected above the SCOs in 13 samples collected. Ten samples were detected above the Unrestricted SCO of 500 ug/kg with concentrations ranging from 570 ug/kg at PDI-OFFSO-005 (17-18.7 feet) to 2,700 ug/kg at PDI-OFFSO-013 (5-7 feet). Three samples were detected above the PGW SCO of 8,200 ug/kg with concentrations ranging from 13,000 ug/kg at PDI-OFFSO-008 (13-15 feet) to 23,000 ug/kg at PDI-OFFSO-006 (7-9 feet).

Naphthalene was detected above the Unrestricted and PGW SCOs of 12,000 ug/kg in one sample collected at a concentration of 13,000 ug/kg from PDI-OFFSO-008 (13-15 feet).

Metals

Ten Metals were detected above their respective SCOs (as shown on **Figure 5C**):

- Arsenic
- Barium
- Cadmium
- Total Chromium
- Copper
- Lead
- Mercury
- Nickel
- Silver
- Zinc

Arsenic was detected above the SCOs in 14 samples collected. Five samples were detected above the Unrestricted SCO of 13 mg/kg with concentrations ranging from 13.6 mg/kg at PDI-OFFSO-012 (7-9 feet) to 15.0 mg/kg at PDI-OFFSO-011 (17-18.8 feet). Nine samples were detected above the PGW SCO of 16 mg/kg with concentrations ranging from 16.2 mg/kg at PDI-OFFSO-014 (11-13 feet) to 68.1 mg/kg at PDI-OFFSO-006 (9-11 feet).

Barium was detected above the Unrestricted SCO of 350 mg/kg in one sample collected with a concentration of 681 mg/kg from PDI-OFFSO-006 (7-9 feet). There were no exceedances of the PGW SCO.

Cadmium was detected above the SCOs in three samples collected. One sample was detected above the Unrestricted SCO of 2.5 mg/kg at a concentration of 3.3 mg/kg from PDI-OFFSO-006 (17-17.6 feet). Two samples were detected above the PGW SCO of 7.5 mg/kg with concentrations of 14.1 mg/kg at PDI-OFFSO-006 (9-11 feet) and 15.4 mg/kg at PDI-OFFSO-006 (7-9 feet).

Total Chromium was detected above the Unrestricted SCO of 30 mg/kg in three samples collected. Concentrations ranged from 31.7 mg/kg at PDI-OFFSO-006 (9-11 feet) to 95.3 mg/kg at PDI-OFFSO-006 (7-9 feet). There is currently no PGW SCO criteria for Total Chromium.

Copper was detected above SCOs in nine samples collected. Seven samples were detected above the Unrestricted SCO of 50 mg/kg with concentrations ranging from 72.1 mg/kg at PDI-OFFSO-001 (11-13 feet) to 703 mg.kg at PDI-OFFSO-006 (17-17.6 feet). Two samples were detected above the PGW SCO of 1,720 mg/kg with concentrations of 27,300 mg/kg at PDI-OFFSO-006 (7-9 feet) and 28,400 mg/kg at PDI-OFFSO-006 (9-11 feet).

Lead was detected above the SCOs in 15 samples collected. Thirteen samples were detected above the Unrestricted SCO of 63 mg/kg with concentrations ranging from 64 mg/kg at PDI-OFFSO-008 (13-15 feet) to 366 mg/kg at PDI-OFFSO-015 (5-7 feet). Two samples were detected above the PGW SCO of 450 mg/kg with a concentration of 6,650 mg.kg at PDI-OFFSO-006 (7-9 feet) and 7,660 mg/kg at PDI-OFFSO-006 (9-11 feet).

Mercury was detected above SCOs in 12 samples collected. Eight samples were detected above the Unrestricted SCO of 0.18 mg/kg with concentrations ranging from 0.19 mg.kg at PDI-OFFSO-012 (5-7 feet) to 0.53 mg/kg at PDI-OFFSO-010 (9-11 feet). Four samples were detected above the PGW SCO of 0.73 mg/kg with concentrations ranging from 1.0 mg/kg at PDI-OFFSO-015 (5-7 feet) to 38.9 mg/kg at PDI-OFFSO-006 (7-9 feet).

Nickel was detected above the SCOs in three samples collected. Two samples were detected above the Unrestricted SCO of 30 mg/kg with a concentration of 30.6 mg/kg at EW-3 and 130 mg/kg at PDI-OFFSO-006

(9-11 feet). One sample was detected above the PGW SCO of 130 mg/kg with a concentration of 161 mg/kg at PDI-OFFSO-006 (7-9 feet).

Silver was detected above the PGW SCO of 8.3 in two samples collected with a concentration of 63.3 mg/kg at PDI-OFFSO-006 (9-11 feet) and 97.1 mg/kg at PDI-OFFSO-006 (7-9 feet). These samples were also detected above the Unrestricted SCO of 2 mg/kg.

Zinc was detected above SCOs in six samples collected. Four samples were detected above the Unrestricted SCO of 109 mg/kg at concentrations ranging from 140 mg/kg at PDI-OFFSO-008 (13-15 feet) to 1,190 mg/kg at PDI-OFFSO-006 (17-17.6 feet). Two samples were detected above the PGW SCO of 2,480 mg/kg with concentrations of 8,400 mg/kg at PDI-OFFSO-006 (7-9 feet) and 13,700 mg/kg at PDI-OFFSO-006 (9-11 feet).

PFAS

There were no exceedances of PFAS SCOs in samples collected.

NAPL Observations

Odors, including petroleum/fuel odors and naphthalene/mothball odors, were observed within at least one interval for all of the installed soil borings. Petroleum/fuel odors were observed in 14 borings located throughout the investigated portion of the B+L property. Naphthalene/mothball odors were observed in 4 borings.

Sheens and staining were observed in all 17 of the borings and frequently indicated the most visually contaminated intervals of the borings. NAPL coating was observed in 4 of the borings, typically located near the boundary with the RGE property and/or Suntru Street. No borings within the B+L property exhibited NAPL saturation or blebs.

5.1.3 Soil Geotechnical Testing

Thirteen samples were submitted for grain size and moisture content analysis, four samples were submitted for Atterberg limits, and six samples were submitted for organic content as shown in **Table 1**. Sample locations for grain size and moisture content analyses were selected to provide results spatially distributed throughout the Site and were selected among soils that were not grossly contaminated. Among those sample locations selected for grain size and moisture content analysis, locations with significant clay content were selected for Atterberg limits analysis and locations with noticeable organic matter were submitted for organic content analysis. Results from geotechnical analysis of these samples is presented in **Table 6.** Geotechnical Laboratory reports are provided in **Appendix G.**

5.2 Sediment Sampling

5.2.1 Sediment Analytical

Sediment samples were obtained by a combination of push core and ponar dredge methods as stated above in Section 4.2.2. Sampling was attempted at 28 locations (**Figure 3C**). Of the 28 locations, samples were obtained from 26 of them and sampled for TCL SVOCs/Total PAHs.

Up to two sediment samples from each sediment core and one sample from each Ponar dredge sampling location were collected. Twenty-nine (29) samples were submitted for laboratory analysis along with two sets of

QA/QC samples as presented in **Table 2**. Results were compared to the NYSDEC Class C SGV for Total PAHs of 35,000 microgram per kilogram (ug/kg) (NYSDEC 2014).

Total PAHs were detected in 27 of the 29 samples submitted for laboratory analysis.

SGV exceedances were detected in nine samples with concentrations ranging from 35,200 ug/kg at PDI-SED-006 (17-23-inch) to 516,100 ug/kg at PDI-SED-014 (66-72-inch). Two exceedances were detected in the 0-6 inch depth range, six exceedances were detected in the 10-24 inch depth range, and three exceedances detected in the 60-72 inch depth range.

A summary of detected SVOCs and Total PAHs is presented in **Table 7** and shown spatially on **Figure 6**.

NAPL Observations

Petroleum odors were observed within eight sediment cores. Two of these locations were at the far downstream end of the Site near the abandoned railroad bridge, while six of these cores were located on the upstream end of the Site near the Smith Street Bridge. Five of these 6 cores were located along the shoreline.

Sheen was observed in one core (PDI-SED-013), and NAPL coating and blebs were also observed in one core (PDI-SED-014).

5.2.2 Sediment Geotechnical Testing

Twelve samples were submitted for grain size analysis as shown in **Table 2**. Samples were selected from fine-grained sediments collected in the sediment coring effort. Results from geotechnical analysis of these samples is presented in **Table 8.** Geotechnical Laboratory reports are provided in **Appendix G.**

5.3 Groundwater Sampling

5.3.1 Well Reconnaissance

Prior to groundwater sampling, all wells located both on-site and off-site were inspected (**Figures 3A and 3B**). Depth to water, depth to bottom, and any notable observations were recorded. Of the 110 wells estimated in the PDI Work Plan, 20 were unable to be located and 11 were noted to contain product. Details of the well reconnaissance are provided in **Table 9**.

5.3.2 Groundwater Sampling Analytical Results

Wells that were identified for sampling were redeveloped a minimum of 24-hours prior to sampling. Well development logs are included in **Appendix H**. A total of 31 wells were sampled. Wells were selected based on spatial coverage across the area, viability, and no presence of product. Wells were sampled using low flow sample techniques. Well sampling logs are included in **Appendix H**. Validated groundwater detections are shown in **Table 10**. Validated data were compared against NYSDEC, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values (NYSDEC, 1998).

VOCs

Eight VOCs were detected above their respective Groundwater SCGs (as shown on **Figures 7A and 8A**):

- Acetone
- Benzene

- Carbon Disulfide
- Ethyle Benzene
- Methyl Ethyl Ketone (2-Butane)
- Styrene
- Toluene
- Xylenes

Acetone was detected above the SCG of 50 micrograms per liter (ug/L) in 3 samples with concentrations ranging from 53 ug/L in DW-12-02M to 500 ug/L in DW-5.

Benzene was detected above the SCG of 1.0 ug/L in 23 samples with concentrations ranging from 16 ug/L in SW-12-10 to 54,000 ug/L in DW-10-02G.

Carbon Disulfide and methyl ethyl ketone were only detected above their SCGs in the sample collected from DW-5. Carbon disulfide (SCG of 60ug/L) was detected at 110 ug/L.

Ethyle Benzene was detected above the SCG of 5 ug/L in 18 samples. Concentrations ranged from 33 ug/Lin DW-5 to 6,300 ug/L in DW-12-01R.

Methyl Ethyl Ketone (2-Butane) was detected above the SCG of 50 ug/L in the sample collected from DW-5 at a concentration of 140 ug/L.

Styrene was detected above the SCG of 5 ug/L in four samples. Concentrations ranged from 83 ug/L in DW-10-08R to 7,300 ug/L in DW-10-02G.

Toluene was detected above the SCG of 5 ug/L in 15 samples. Concentrations ranged from 6.4 ug/L in SW-10-12 to 27,000 ug/L in DW-10-02G.

Xylenes were detected above the SCG of 5 ug/L in 18 samples. Concentrations ranged from 11 ug/L in DW-12-02M to 7,100 ug/L in DW-10-02G.

SVOCs

Nine SVOCs were detected above their respective Groundwater SCGs (as shown on **Figures 7B and 8B**):

- 2,4-Dimethylphenol
- Acenaphthene
- Benzo(a) anthracene
- Bis (1-chloroethyl) Ether (2-chloro ethyl ether)
- Chrysene
- Naphthalene
- Pentachlorophenol
- Phenol
- 1,4-Dioxane

2,4-Dimethylphenol was detected above the SCG of 1 ug/L in 12 samples collected. Concentrations ranged from 1.3 ug/L in SW-10-15 to 970 ug/L in DW-5.

Acenaphthene was detected above the SCG of 20 ug/L in 13 samples. Concentrations ranged from 61 ug/L in MW-8DR to 170 ug/L in SW-10-15.

Benzo(a) anthracene was detected above the SCG of 0.002 ug/L in one sample with a concentration of 0.42 ug/L in SW-10-15.

Bis (1-chloroethyl) Ether (2-chloro ethyl ether) was detected above the SCG of 1 ug/L in one sample which was collected from DW-12-07R with a concentration of 3.5 ug/L.

Chrysene was detected above the SCG of 1 ug/L in two samples. Concentrations ranged between 0.35 ug/L in SW-10-15 to 0.47 ug/L in DW-12-09M.

Naphthalene was detected above the SCG of 10 ug/L in 18 samples. Concentrations ranged from 18 ug/L in SW-10-09 to 9,900 ug/L in DW-12-09M.

Pentachlorophenol was detected above the SCG of 1 ug/L in one sample which was collected from SW-10-07 at a concentration of 2.8 ug/L.

Phenol was detected above the SCG of 1 ug/L in 12 samples. Concentrations ranged from 3.2 ug/L in DW-10-06G to 940 ug/L in DW-5.

1,4-Dioxane was only detected in one sample above the SCG of 0.35 ug/L in the sample collected from DW-5 at a concentration of 1.9 ug/L.

Metals

Ten metals were detected above their respective Groundwater SCGs (as shown on **Figures 7C and 8C**):

- Arsenic
- Barium
- Total Chromium
- Iron
- Lead
- Magnesium
- Manganese
- Nickel
- Selenium
- Sodium

Arsenic was detected above the SCG of 0.025 mg/L in five samples. Concentrations ranged from 0.04 mg/L vin MW-2R to 0.27 mg/L in SW-10-02.

Barium was detected above the SCG of 1 mg/L in six samples. Concentrations ranged from 1.1 mg/L to 3.0 m /L in DW-12-01R.

Total Chromium was only detected above the SCG of 0.05 mg/L in one sample which was collected from DW-5 with a concentration of 0.65 mg/L.

Iron was detected above the SCG of 0.3 mg/L in 29 samples. Concentrations ranged from 0.4 mg/L in DW-12-02M to 62 mg/L in DW-10-02G.

Lead was detected above the SCG of 0.025 mg/L in two samples. Concentrations were reported as 0.11 mg/L in DW-10-02G and 0.24 mg/L in DW-10-06G.

Magnesium was detected above the SCG of 35 mg/L in 25 samples. Concentrations ranged from 37.5 mg/L in SW-12-20 to 1,550 mg/L in DW-10-06G.

Manganese was detected above the SCG of 0.3 mg/L in 10 samples. Concentrations ranged from 0.37 mg/L in SW-12-21 to 7.5 mg/L in DW-10-02G.

Nickel was only detected above the SCG of 0.1 mg/L in two samples. Concentrations were reported as 0.21 mg/L in DW-10-02G and 0.25 mg/L in DW-5.

Selenium was only detected above the SCG of 0.01 mg/L in one sample which was collected from MW-07 with a concentration of 0.065 mg/L.

Sodium was detected above the SCG of 20 mg/L in every sample collected. Concentrations ranged from 207 mg/L in SW-10-07 to 50,300 in DW-10-06G.

PFAS

Two PFAS compounds were detected above their respective SCGs (as shown on **Figures 7D and 8D**). Several other PFAS compounds were detected but there are currently no criteria associated with those compounds.

- Perfluorooctanesulfonic acid (PFOS)
- Perfluorooctanoic acid (PFOA)

PFOS was detected above the SCG of 2.7 nanograms per liter (ng/L) in 13 samples. Concentrations ranged from 4.1 ng/L in SW-12-21 to 40 ng/L in MW-2R.

PFOA was only detected above the SCG in two samples. Concentrations were reported as 8.1 ng/L in DW-5 and 24.0 ng/L is MW-2R.

MNA Parameters/Nutrients

All samples collected were submitted for MNA parameters as listed in **Table 10**. Sulfate (as SO^4) was the only parameter analyzed for with a Class GA guidance value. Sulfate (as SO^4) was detected above the SGV of 250 mg/L in 10 samples. Concentrations ranged from 254 mg/L in SW-10-12 to 1,590 mg/L in DW-10-03R.

5.4 Data Validation and Reporting

Results from analytical samples collected during site characterization activities were validated and reviewed by Parsons for usability with respect to the following requirements:

- Project Work Plan and Project Quality Assurance Project Plan
- USEPA analytical methodologies
- *National Functional Guidelines for Organic Superfund Methods Data Review*, USEPA 540-R-20-005, November 2020
- *National Functional Guidelines for Inorganic Superfund Methods Data Review*, USEPA 542-R-20-006, November 2020
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review
- *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated April 2023 (NYSDEC 2023)

The quality of the data has been assessed and is documented in the Data Usability Summary Report (DUSR) (**Appendix H**). Validated data have been submitted for loading into the NYSDEC database.

5.5 Hydrogeological Testing

This section includes a summary of the hydrogeological testing which included the transient water level monitoring and the aquifer pumping tests. Further details of these tests are included in **Appendix I**. The results for the first of three synoptic groundwater level measurement events are presented in **Figure 9**. Approximately 20 monitoring wells will be gauged during a single day for each of the events. The remaining two events will be conducted during 2024 and their results will be presented in the Remedial Design Report. The groundwater level measurements will be used to develop groundwater elevation contours, evaluate hydraulic gradients, and provide calibration targets for the groundwater model.

The following observations were made regarding the hydrographic data collected for transient water levels for the duration of each aquifer pumping test (**Figures I-1, 1-13**).

EW-01

- SW-10-09*, SW-12-20, RW-3, and RW-4 exhibited similar hydraulic head measurement trends to one another. (*piezometer well)
    - RW-3 and RW-4 both had steady decreases of 0.15 feet over the pumping test period from December 5 – December 8.
    - SW-10-09* and SW-12-20 had steady decreases of 0.35-0.40 feet, respectively.
- SW-10-12, MW-3DR, and SW-10-15 exhibited similar hydraulic head measurement trends to one another and have been identified as near-river wells with respect to their location. As such, the changes in hydraulic heads recorded in these wells correlates with the changes in the water surface elevation of the Genesee River, as indicated by the Ford Street Bridge United States Geological Service (USGS) stream gage data from December 5 – December 8 presented in Figure 1 of **Appendix I**.

EW-03

- MW-6 and MW-7 exhibited similar hydraulic head measurement trends to one another, with MW-7 sharply increasing 0.1 feet around 24 hours into the data logging compared to MW-6 increasing 0.05 feet during the same time interval.
- SW-12-04, SW-12-05* (piezometer well) and SW-12-06, both located within roughly 100 feet of EW-03 exhibited similar hydraulic head measurement trends to one another, apart from SW-12-04 not reflecting a recovery period following the pumping test.
- SW-12-01 and SW-10-12 have similar trends in their data and have been identified as near-river wells with respect to their location. Therefore, the data could be an indicator that these wells are hydraulically connected to the Genesee River.

Following the completion of the aquifer pumping tests, the data were analyzed for barometric efficiency, transmissivity, and storativity. The barometric efficiencies were calculated using a graphical method for estimating continuous hydraulic head measurements (Gonthier 2007). Long term hydraulic head measurements were processed using a function of ordinary least squares followed by a centered-daily-moving average. These corrected heads were plotted, and the slopes were estimated from prominent ellipses with the inverse average of the slopes being identified as the barometric efficiency value. The values for the barometric efficiencies were included in the analyses of the pumping tests. Additional details regarding the pumping test analyses and results are provided in **Appendix I**.

The values for barometric efficiency are as follows:

- SW-10-09: 0.217
- SW-12-05: 0.192

For both EW-01 and EW-03, the Hantush Leaky Confined Solution (Hantush, 1960) was used in AquiferTest Pro to analyze the drawdown responses in the pumping wells and associated piezometers. For the purposes of these tests and subsequent analyses, the storage coefficient will be treated as storativity due to the use of the Hantush – Leaky Confined pumping analysis. Storativity and transmissivity values were calculated assuming a confined aquifer with a thickness of 19-feet pumping at a variable rate.

Approximate storativity values are as follows:

- EW-01 (early data): 9.90×10^{-1}
- EW-01 (late data): 1.00×10^{-3}

- SW-10-09: 1.18 x 10^{-1}
- EW-03: 5.30 x 10^{-1}
- SW-12-05: 9.61 x 10^{-2}
- SW-12-06: 7.24 x 10^{-4}

Approximate transmissivity values are as follows:

- EW-01: 11.9 square feet per day (ft^2/day) (0.624 feet/day)
- SW-10-09: 6.45 ft^2/day (0.34 feet/day)
- EW-03: 9.66 ft^2/day (0.508 feet/day)
- SW-12-05: 240 ft^2/day (12.6 feet/day)
- SW-12-06: 154 ft^2/day (8.09 feet/day)

Extraction water was containerized on-site in a storage tank and was subsequently trucked to the West Station Former MGP Site (which was undergoing remedial construction at the time of the Site PDI) for treatment and discharge. The extraction water was treated in the West Station Former MGP Site Temporary Construction Water Treatment Plant by D.A. Collins Construction, Inc., and discharged to the Monroe County Sewer system in accordance with County of Monroe Pure Waters District 8575 Specialty Short Term Discharge Permit No. 449 requirements (effective date March 5, 2024). The Specialty Short Term Discharge Permit No, 449, containing authorized effluent rates and parameters requiring monitoring and associated parameter limits, is included as **Appendix K**. Effluent rates and analysis results of extraction water transported to the West Station Former MGP site for treatment and disposal are provided in **Appendix L**.

5.6 Ecological and Habitat Investigations

5.6.1 Mussel Survey Consultation

Consultation with Frances Knickmeyer, NYSDEC Region 8 Permit Administrator and Josh Fisher, NYSDEC Region 8 Bureau of Ecosystem Health, was completed on July 19, 2023, which determined that a mussel survey was not required to complete in-water sediment sampling.

In accordance with Section 4.5.1 Mussel and Relocation Survey, a mussel survey will be conducted approximately one year prior to the start of remedial construction to determine if any imperiled mussel species are present at the Site. The approximated extent of the mussel survey is presented in **Figure 10**.

5.6.2 Vegetation Survey

The vegetation survey, completed from August 14 to August 17, 2023, was composed of a tree survey and a qualitative vegetation survey (**Appendix J**). The objectives of the vegetation survey were to document the existing ecological communities on the Site and the B+L Property, and to identify any existing native communities to inform the restoration design. The extent of the vegetation survey is presented on Figure 1 of **Appendix J.**

The tree survey was conducted by qualified field biologists. Each tree with a DBH greater than three inches was assigned an identification code, identified to species, measured for DBH, and photographed. Discrete tree communities were recorded on field maps and described in qualitative notes.

The qualitative vegetation survey was performed concurrently with the tree survey and an inventory of plant species was produced for the Site and the B+L Property (**Appendix J**). Additionally, discrete ecological communities were identified and described.

A total of 358 trees were identified at the Site and the B+L Property. The dominant tree species were weedy, early successional, or non-native. In total, 23 species were identified during the tree survey. Approximately half of the trees that were observed were non-native, including tree of heaven (*Ailanthus altissima*), Norway maple (*Acer platanoides*), and black locust (*Robinia pseudoacacia*). The most common native species were box elder (*Acer negundo*), eastern cottonwood (*Populus deltoides*), and ash (*Fraxinus* sp.). Less common native species included hackberry (*Celtis occidentalis*), silver maple (*Acer saccharinum*), and eastern sycamore (*Platanus occidentalis*) (**Appendix J**). Additionally, woody vines such as riverbank grape (*Vitis riparia*), oriental bittersweet (*Celastrus orbiculatus*), and poison ivy (*Toxicodendron radicans*) were common throughout the forested areas and were observed choking and overcoming trees. Due to the prevalence of the Emerald Ash Borer, ash species will not be included in the restoration plan.

The dominant ecological communities on the Site and the B+L Property were impervious surface, old field, and urban forest, which accounted for approximately 85 percent of the total area presented in Table 2 of **Appendix J**. The most common herbs in the dominant community types were weedy or non-native including mugwort (*Artemisia vulgaris*), black knapweed (*Centaurea nigra*), common timothy (*Phleum pratense*), turf grasses (*Poa* sp.), and tufted vetch (*Vicia cracca*). The herbaceous plant community was generally poor, but occasional patches of native plants were observed including milkweed (*Asclepias syriaca, Asclepias incarnata*), Canada goldenrod (*Solidago canadensis*), and Virginia wildrye (*Elymus virginicus*).

Additional details of the results of this assessment are included in **Appendix J**.

5.6.3 Wetland Delineation and Waters of the U.S. Survey

A wetland delineation and WOTUS survey was completed from August 14 to August 17, 2023 to identify and delineate potential wetlands and other WOTUS occurring within and immediately adjacent to the Site (**Appendix J**).

No New York State Regulated Freshwater Wetlands or Adjacent Areas exist within the Site or Site vicinity. A total of four USACE wetland determination plots were surveyed throughout the Site to characterize hydrology, soils, and vegetation. Wetland determination plots were performed in areas with plausible wetland characteristics (i.e., swales, low areas). No soil cores displayed prominent redox features or other indicators of hydric soil, and no plots were determined to be wetlands. Wetland determination datasheets are provided in **Appendix J**. The Genessee River borders the Site to the west for approximately 1,600 feet. The Genesee River is listed on U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory maps as riverine lower perennial unconsolidated bottom permanently flooded (R2UBH). At the Site, the Genesee River is approximately 200 feet wide. Flow conditions are highly variable, but water depths within the channel range from approximately six to 20 feet in the reach of the Genesee River adjacent to the Site. The western bank of the Genessee River along this reach consists of steep slopes and cliffs rising above the water. The eastern bank of the Genesee River at the Site is steep, ranging from 10 to 20 feet above the water, and consisting of slopes of hard fill (rock, brick, debris) and concrete retaining walls. The location of the OHWM of the Genesee River adjacent to the Site was delineated in the field in accordance with USACE Regulatory Guidance Letter No. 05-05 (USACE 2005), and the *National Ordinary High Water Mark Field Delineation Manual for Rivers and Streams: Interim Version* (USACE 2022). As previously indicated, the OHWM of the Genesee River along the Site boundary was delineated in August 2023. However, after review of the collected data, it was determined that the identified OHWM was inconsistent with available hydrological data and data from nearby OHWM determinations (i.e., RG&E West Station Former MGP Site - 828205). A verification of the OHWM was performed on August 29, 2024 to

investigate the discrepancy and it was determined that the August 2023 OHWM delineation (average 396 U.S. survey feet of North American Vertical Datum of 1988 [NAVD88]) was inaccurate. The OHWM was re-delineated during the August 2024 field effort. The average elevation of the August 2024 delineated OHWM along this reach of the Genesee River was 391 U.S. survey feet NAVD88.

The approximated extent of the wetland delineation and WOTUS survey is presented in Figure 7 of **Appendix J**.

6.0 PERMITS AND AUTHORIZATIONS

Permits/authorizations obtained for implementation of the PDI are provided in **Appendix K** and consisted of the following:

- USACE Nationwide Permit (NWP) No. 6 for Survey Activities under Sections 10 and 404
- USFWS Section 7 Consultation
- NYSDEC Section 401 Water Quality Certification (WQC)
- NYSDEC Article 15, Title 5, Protection of Waters, substantial equivalency
- NYSDEC New York Natural Heritage Program (NYNHP) Section 7 Consultation
- New York State Historic Preservation Office (NYSHPO) Section 106 Consultation
- New York State Department of State (NYSDOS) Coastal Consistency Concurrence

7.0 CONCLUSIONS

The work performed during the PDI provided data and information that will be used in the development of the remedial design for the East Station Site (On-Site) and Off-Site Property. These data will be used to further define required remedial excavation boundaries and depths both for the upland portion of the Site and for in-river sediments; to inform the design of dewatering operations, excavation shoring and site restoration; and to inform the permitting process for remedial action.

On-Site Soil

A total of 89 analytical samples and 10 geotechnical samples were collected from 28 sample locations On-Site. VOCs that were most commonly detected at concentrations above applicable SCOs were BTEX compounds, particularly benzene and xylenes, and common laboratory contaminants (acetone and methylene chloride). Concentrations of BTEX compounds above SCOs were observed throughout the Site. Eighteen SVOCs consisting primarily of PAHs were detected at concentrations exceeding SCOs at locations distributed throughout the Site. There were no concentrations of PFAS compounds observed above the SCO guidance values (NYSDEC 2022c). Several inorganic parameters including arsenic, lead, mercury, and cyanide were detected at concentrations exceeding SCOs at multiple locations, and copper and selenium were detected at concentrations exceeding SCOs at one location each. Exceedances of arsenic and mercury were distributed throughout the Site, while exceedances of lead and cyanide tended to be located either on the western edge of the Site near the River or near the slurry wall structure located in the southeast portion of the Site. Depth to refusal for soil borings ranged from 14.4 to 29 feet bgs.

Off-Site Soil

A total of 58 analytical samples and 2 geotechnical samples were collected from 17 sample locations on the Off-Site Property. VOCs most commonly detected at concentrations above applicable SCOs were BTEX compounds, particularly benzene and xylenes, and common laboratory contaminants (acetone and methylene chloride). Concentrations of BTEX compounds above SCOs were typically located toward the southern portion of the Off-Site Property. Eight of SVOCs were detected at concentrations exceeding SCOs on the off-Site property. There were no concentrations of PFAS compounds observed above the SCO guidance values (NYSDEC 2022c) Nine metals were detected at concentrations exceeding Unrestricted Use SCOs at locations throughout the sampled portion of the off-Site property. Depth to refusal for soil borings ranged from 11.2 to 34.8 feet bgs.

Sediment

Sediment sampling included a total of 29 analytical samples and seven geotechnical samples collected from 26 sample locations. Nine sediment samples mostly located near the riverbank adjacent to the southern end of the Site exceeded the total PAHs Class C SGV of 35,000 ug/kg, which is the analytical removal criterion for sediment adjacent to the Site. In locations where sufficient sediment thickness for sampling was encountered, sediment depth ranged from 16-72 inches. The grain size of encountered sediment ranged from silt to coarse gravel. The grain size, sediment thickness, and analytical data will be used to develop the remedial design for sediment removals at the Site.

Groundwater

Groundwater sampling indicated that VOCs, SVOCs, and metals are present at concentrations exceeding Class GA standards and guidance values at various locations throughout the Site. Hydrogeological testing provided

estimates of storativity and transmissivity for the overburden aquifer. These data will be used as a baseline for future MNA activities at the Site and will be used to inform the soil removal component of the remedial design.

The ecological and habitat evaluations documented typical plant species existing at the Site and determined that there are no New York State Regulated Freshwater Wetlands or Adjacent Areas existing within the Site or Site vicinity. The Ordinary High Water Mark for the Genesee River was also located in order to determine the limit of WOTUS at the Site. These determinations will inform permitting for the remedial action and the Site restoration design.

8.0 REFERENCES

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TABLES

Table 1
East Station PDI
Soil/Solids Sample Summary

											Analytical						Geotechnical				Waste Characterization															
Location or Sample ID	**Total Depth (ft)**	**Latitude**	**Longitude**	**Field Observations/ Comments**	**Analytical Sample Depth (ft)**	**Matrix**	**Sampling Date**	**MS/MSD**	**Duplicate**	**TAL Metals (6010/7471)**	**TCL SVOCs/1,4D (8270D)**	**Total CN (9012B)**	**TCL VOCs (8260C)**	**Chromium (Tri and Hex) (7196)**	**PFAS (1633)**	**Grain Size**	**Moisture Content**	**Atterberg Limits**	**Organic Content**	**TCLP VOCs 8260C, TCLP SVOCs 8270D**	**TCLP Pest 8081, TCLP Herb 8151**	**TCLP Metals/Hg 6010C/7470A**	**Reactive CN, Reactive Sulfide SW7.3.3.2/SW7.3.4.2**	**Corrosivity, Ignitability 9045/1030**	**PCBs - 8082**	**Cyanide SW9012B**	**TCL SVOCs+1,4-Dioxane SW8270D**	**TCL VOCs SW8260C**	**TPH - DRO SW8015**	**Percent Sulfur ASTM D129-95**	**Heat of Combustion BTU ASTM D240-92**	**Percent Solids 2540G**
ON-SITE SOIL BORINGS																																			
PDI-ONS0-001	17.6	43.168497	-77.622256	Black Staining, Faint petroleum odor	7.0-9.0	Soil	10/26/2023			x	x	x	x	x	x																				
				Black Staining, Faint petroleum odor	9.0-11.0	Soil	10/26/2023	x		x	x	x	x	x	x																				
				Slight Petroleum Odor	15.0-17.0	Soil	10/26/2023			x	x	x	x	x	x																				
PDI-ONS0-002	21	43.168304	-77.621841	No Comment	7.0-9.0	Soil	10/23/2023	x								x	x																		
				No Comment	9.0-11.0	Soil	10/23/2023			x	x	x	x	x	x																				
				Fuel Odor	17.0-19.0	Soil	10/23/2023		x	x	x	x	x	x	x																				
PDI-ONS0-003	16	43.168465	-77.62117	No Comment	7.0-9.0	Soil	10/23/2023		x	x	x	x	x	x	x																				
				10.75'-11' Black staining, Slight Odor	9.0-11.0	Soil	10/23/2023			x	x	x	x	x	x																				
				Petroleum Odor, Staining 15.9'-16.1'	15.0-16.0	Soil	10/23/2023			x	x	x	x	x	x																				
PDI-ONS0-004	17.9	43.168148	-77.620673	No Comment	5.0-5.5	Soil	10/30/2023			x	x	x	x	x	x																				
				Slight Petroleum Odor 5.5-6'	5.5-7.0	Soil	10/30/2023			x	x	x	x	x	x																				
				Faint petroleum odor 9'-9.5', Staining 9'-9.5'	9.0-11.0	Soil	10/30/2023			x	x	x	x	x	x																				
				No Comment	17.0-17.9	Soil	10/30/2023			x	x	x	x	x	x																				
PDI-ONS0-005	21.6	43.168282	-77.620135	Ash, Soot, Wood Debris	9.0-11.0	Soil	10/25/2023	x		x	x	x	x	x	x																				
				Sheen, Blebs, Core Coated with NAPL	17.0-19.0	Soil	10/25/2023			x	x	x	x	x	x																				
				Fuel Odor	19.0-21.6	Soil	10/25/2023			x	x	x	x	x	x																				
PDI-ONS0-006	16.4	43.168063	-77.619982	Petroleum Odor	11.0-12.0	Soil	10/27/2023			x	x	x	x	x	x																				
				Stained, Petroleum Odor, Slight Sheen	12.0-13.0	Soil	10/27/2023			x	x	x	x	x	x																				
				Lenses of Stained Material	15.0-16.3	Soil	10/27/2023			x	x	x	x	x	x																				
PDI-ONS0-007	26	43.168469	-77.619481	No Comment	1.0-5.0	Soil	10/25/2023			x	x	x	x	x	x																				
				Strong Naphthalene Odor, Sheen, Lightly Coated With NAPL	13.0-15.0	Soil	10/25/2023		x	x	x	x	x	x	x																				
				Blebs, Sheen, NAPL, Strong Fuel Odor	25.0-25.6	Soil	10/25/2023			x	x	x	x	x	x																				
PDI-ONS0-008	29	43.168274	-77.619163	No Comment	5.0-7.0	Soil	10/11/2023			x	x	x	x	x	x																				
				Sheen, Strong Fuel Odor	12.0-13.0	Soil	10/11/2023			x	x	x	x	x	x																				
				Fuel Odor	13.0-15.0	Soil	10/11/2023			x	x	x	x	x	x																				
				Geotechnical Sample Collected	21.0-23.0	Soil	10/11/2023									x	x																		
				Blebs, Free Product, Strong Fuel Odor	28.0-29.0	Soil	10/12/2023			x	x	x	x	x	x																				
PDI-ONS0-009	19.7	43.167918	-77.62201	No Comment	1.0-5.0	Soil	10/24/2023	x	x	x	x	x	x	x	x																				
				Strong Naphthalene Odor	10.0-11.0	Soil	10/24/2023			x	x	x	x	x	x																				
				Fuel Odor	18.5-19.5	Soil	10/24/2023	x	x	x	x	x	x	x	x																				
PDI-ONS0-010	17.7	43.167672	-77.621479	Faint Odor Bottom 1 inch	7.0-9.0	Soil	10/24/2023		x	x	x	x	x	x	x																				
				Fuel Odor	9.0-11.0	Soil	10/24/2023			x	x	x	x	x	x																				
				Free Product, Tar Blebs, Strong Fuel Odor	13.0-15.0	Soil	10/24/2023			x	x	x	x	x	x																				
				Free Product, Tar Blebs, Strong Fuel Odor	17.0-17.6	Soil	10/24/2023			x	x	x	x	x	x																				

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Soil/Solids Sample Summary

Location or Sample ID	Total Depth (ft)	Latitude	Longitude	Field Observations/ Comments	Analytical Sample Depth (ft)	Matrix	Sampling Date	MS/MSD	Duplicate	TAL Metals (6010/7471)	TCL SVOCs/1,4D (8270D)	Total CN (9012B)	TCL VOCs (8260C)	Chromium (Tri and Hex) (7196)	PFAS (1633)	Grain Size	Moisture Content	Atterberg Limits	Organic Content	TCLP VOCs 8260C, TCLP SVOCs 8270D	TCLP Pest 8081, TCLP Herb 8151	TCLP Metals/Hg 6010C/7470A	Reactive CN, Reactive Sulfide SW7.3.3.2/SW7.3.4.2	Corrosivity, Ignitability 9045/1030	PCBs - 8082	Cyanide SW9012B	TCL SVOCs+1,4-Dioxane SW8270D	TCL VOCs SW8260C	TPH - DRO SW8015	Percent Sulfur ASTM D129-95	Heat of Combustion BTU ASTM D240-92	Percent Solids 2540G
PDI-ONSO-011	14.4	43.167686	-77.620943	Petroleum Odor Bottom 6"	1.0-4.0	Soil	10/26/2023			x	x	x	x	x	x																
				Black Staining, Lightly Coated, Petroleum Odor	13.0-14.0	Soil	10/26/2023			x	x	x	x	x	x																
				No Comment	14.0-14.5	Soil	10/26/2023			x	x	x	x	x	x																
PDI-ONSO-012	19.66	43.167508	-77.620617	No Comment	5.0-7.0	Soil	10/19/2023			x	x	x	x	x	x																
				Fuel Odor	13.0-15.0	Soil	10/19/2023			x	x	x	x	x	x																
				Faint Fuel Odor	19.0-19.66	Soil	10/19/2023			x	x	x	x	x	x																
PDI-ONSO-013	19	43.167184	-77.621462	No Comment	5.0-6.0	Soil	10/17/2023			x	x	x	x	x	x																
				Slight Naphthalene Odor	7.0-9.0	Soil	10/17/2023			x	x	x	x	x	x																
				NAPL Saturated, Strong Fuel Odor	15.0-19.0	Soil	10/17/2023			x	x	x	x	x	x																
PDI-ONSO-014	20	43.167907	-77.619358	Slight Naphthalene Odor	5.0-7.0	Soil	10/6/2023			x	x	x	x	x	x																
				Strong Fuel Odor, Sheen	11.0-13.0	Soil	10/6/2023			x	x	x	x	x	x																
				Strong Naphthalene Odor, 18'-19' NAPL Saturated	17.0-19.0	Soil	10/10/2023			x	x	x	x	x	x																
				Strong Naphthalene Odor, 19'-20' NAPL Saturated	19.0-20.0	Soil	10/10/2023			x	x	x	x	x	x																
PDI-ONSO-015	21.66	43.167819	-77.620274	No Comment	11.0-13.0	Soil	10/19/2023			x	x	x	x	x	x																
				Fuel Odor	17.0-19.0	Soil	10/19/2023			x	x	x	x	x	x																
				Fuel Odor, Sheen Coated	21.0-21.66	Soil	10/19/2023			x	x	x	x	x	x																
PDI-ONSO-016	21	43.167503	-77.620007	No Comment	7.0-9.0	Soil	10/18/2023			x	x	x	x	x	x																
				Geotechnical Sample Collected	9.0-11.0	Soil	10/18/2023									x	x	x													
				Fuel and Mothball Odor	15.0-17.0	Soil	10/18/2023			x	x	x	x	x	x																
				Slight Mothball Odor, Reddish NAPL Saturated	19.0-21.0	Soil	10/18/2023			x	x	x	x	x	x																
PDI-ONSO-017	22.17	43.167163	-77.620507	No Comment	9.0-11.0	Soil	10/17/2023			x	x	x	x	x	x																
				Sheen, NAPL Odor	15.0-17.0	Soil	10/17/2023			x	x	x	x	x	x																
				Blebs, Sheen, Strong Mothball Odor	19.0-21.0	Soil	10/17/2023			x	x	x	x	x	x																
				21'-21.5' Blebs, Sheen, mothball Odor	21.0-22.0	Soil	10/17/2023			x	x	x	x	x	x																
PDI-ONSO-018	18	43.166669	-77.62044	Geotechnical Sample Collected	7.0-9.0	Soil	10/16/2023									x	x														
				No Comment	11.0-13.0	Soil	10/16/2023			x	x	x	x	x	x																
				Naphthalene and Fuel Odor, Soot	13.0-15.0	Soil	10/16/2023			x	x	x	x	x	x																
				NAPL Saturated, Blebs, Fuel Odor	17.0-18.0	Soil	10/16/2023			x	x	x	x	x	x																
PDI-ONSO-019	21.8	43.166169	-77.619872	Geotechnical Sample Collected	2.0-3.0	Soil	09/27/2023									x	x		x												
				Naphthalene Odor, Ash, Burnt Coal	5.0-7.0	Soil	09/27/2023			x	x	x	x	x																		
				Strong Naphthalene Odor, Ash, Burnt Coal	7.0-9.0	Soil	09/27/2023			x	x	x	x	x																		
				Strong Naphthalene Odor	13.0-15.0	Soil	09/27/2023			x	x	x	x	x																		
				Naphthalene Odor	21-21.6	Soil	09/27/2023			x	x	x	x	x																		

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PDI-ONSO-020	21	43.166466	-77.619274	Geotechnical Sample Collected	4.0-5.0	Soil	09/28/2023									x	x		x													
				No Comment	12.0-13.0	Soil	09/28/2023			x	x	x	x	x																		
				Strong Asphalt Odor	13.0-15.0	Soil	09/28/2023			x	x	x	x	x																		
				Blebs, Sheen, Mothball Odor	19.0-21.0	Soil	09/28/2023			x	x	x	x	x																		
PDI-ONSO-021	25	43.16678	-77.61861	No Comment	4.0-5.0	Soil	10/04/2023			x	x	x	x	x																		
				Geotechnical Sample Collected	13.0-14.0	Soil	10/04/2023									x	x															
				Slight Naphthalene Odor, Sheen	23.0-25.0	Soil	10/04/2023			x	x	x	x	x																		
PDI-ONSO-022	28	43.167044	-77.618482	Geotechnical Sample Collected	18.0-19.0	Soil	09/28/2023									x	x		x													
				Glass and Coal	19.0-20.0	Soil	09/28/2023			x	x	x	x	x																		
				Burnt Tar Odor	20.0-21.0	Soil	09/29/2023			x	x	x	x	x	x																	
PDI-ONSO-023	24	43.166834	-77.619293	Geotechnical Sample Collected	10.0-11.0	Soil	10/02/2023									x	x	x	x													
				No Comment	14.0-15.0	Soil	10/02/2023			x	x	x	x	x	x																	
				Blebs, Tar Odor	17.0-18.0	Soil	10/02/2023			x	x	x	x	x	x																	
				Blebs, NAPL Coated, Strong Naphthalene Odor	23.0-24.0	Soil	10/02/2023			x	x	x	x	x	x																	
PDI-ONSO-024	19	43.166832	-77.619853	Slight Odor	5.0-7.0	Soil	10/12/2023			x	x	x	x	x	x																	
				Slight Odor, Burnt Coal	7.0-9.0	Soil	10/12/2023			x	x	x	x	x	x																	
				Strong Naphthalene Odor, Sheen, Refusal due to metal in hole	17.0-19.0	Soil	10/12/2023			x	x	x	x	x	x																	
PDI-ONSO-025	19	43.167171	-77.619288	Slight Odor	8.0-9.5	Soil	10/05/2023			x	x	x	x	x	x																	
				Strong Naphthalene Odor, NAPL Saturated, Wood	11.0-13.0	Soil	10/05/2023			x	x	x	x	x	x																	
				NAPL Present, Strong Odor	14.0-14.5	Soil	10/05/2023			x	x	x	x	x	x																	
				Naphthalene Odor, Sheen	17.0-19.0	Soil	10/05/2023			x	x	x	x	x	x																	
PDI-ONSO-026	18.5	43.167187	-77.619773	Strong Petroleum Odor	4.0-5.0	Soil	10/04/2023			x	x	x	x	x	x																	
				Strong Tar Odor	5.5-7.0	Soil	10/04/2023			x	x	x	x	x	x																	
				Geotechnical Sample Collected	7.5-9.0	Soil	10/04/2023									x	x	x	x													
				Slight Odor	16.5-17.0	Soil	10/04/2023			x	x	x	x	x	x																	
				Faint Naphthalene Odor	17.5-18.5	Soil	10/04/2023			x	x	x	x	x	x																	
PDI-ONSO-027	20.92	43.167528	-77.619356	No Comment	5.0-7.0	Soil	10/11/2023			x	x	x	x	x	x																	
				Strong Petroleum Odor 10'-11', NAPL Coated 11'-12'	11.0-13.0	Soil	10/11/2023			x	x	x	x	x	x																	
				Petroleum odor	18.0-20.0	Soil	10/11/2023			x	x	x	x	x	x																	
PDI-ONSO-028	24	43.167778	-77.618965	Slight Mothball Odor	5.0-7.0	Soil	10/05/2023			x	x	x	x	x	x																	
				Strong Diesel fuel Odor, Stained	11.0-13.0	Soil	10/05/2023	x		x	x	x	x	x	x																	
				Fuel Odor	15.0-17.0	Soil	10/05/2023		x	x	x	x	x	x	x																	
				21'-22.5' Strong Fuel Odor	21.0-24.0	Soil	10/05/2023			x	x	x	x	x	x																	

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OFF-SITE SOIL BORINGS																															
PDI-OFFSO-001	28.3	43.168757	-77.619817	No Comment	11.0-13.0	Soil	11/10/2023			x	x	x	x	x	x																
				17'-18' Black Staining, Slight Odor. 18'-19' Petroleum Odor.	17.0-19.0	Soil	11/10/2023			x	x	x	x	x	x																
				Stained, Sheen, Petroleum Odor	27.0-28.3	Soil	11/10/2023			x	x	x	x	x	x																
PDI-ONSO-002	26.6	43.16896	-77.620003	Sligth Petroleum Odor	17.0-19.0	Soil	11/09/2023			x	x	x	x	x	x																
				Petroleum Odor, Sheen	21.0-23.0	Soil	11/09/2023			x	x	x	x	x	x																
				Staining, Faint Petroleum Odor	25.0-26.6	Soil	11/09/2023			x	x	x	x	x	x																
PDI-OFFSO-003	27.88	43.169107	-77.620124	No Comment	13.0-15.0	Soil	11/09/2023			x	x	x	x	x	x																
				Black Staining, Sheen, Strong Naphthalene Odor	19.0-21.0	Soil	11/09/2023			x	x	x	x	x	x																
				No Comment	27.0-27.8	Soil	11/09/2023			x	x	x	x	x	x																
PDI-OFFSO-004	34.8	43.169102	-77.620399	No Comment	13.0-15.0	Soil	11/07/2023		x	x	x	x	x	x	x																
				Black Staining, Slight Petroleum Odor	25.0-26.0	Soil	11/07/2023			x	x	x	x	x	x																
				Organic Odor	31.0-33.0	Soil	11/07/2023			x	x	x	x	x	x																
				Slight Petroleum Odor	33.0-34.8	Soil	11/07/2023			x	x	x	x	x	x																
PDI-OFFSO-005	18.7	43.169043	-77.620874	No Comment	5.0-7.0	Soil	11/06/2023			x	x	x	x	x	x																
				Black Stained, Faint Petroleum Odor	9.0-11.0	Soil	11/06/2023			x	x	x	x	x	x																
				Sheen, Strong Petroleum Odor	15.0-17.0	Soil	11/06/2023			x	x	x	x	x	x																
				Black Staining	17.0-18.7	Soil	11/06/2023			x	x	x	x	x	x																
PDI-OFFSO-006	17.6	43.169108	-77.621129	No Comment	7.0-9.0	Soil	10/31/2023			x	x	x	x	x	x																
				Lightly Coated, Sheen, Petroleum Odor	9.0-11.0	Soil	10/31/2023			x	x	x	x	x	x																
				Sheen, Petroleum Odor	17.0-17.6	Soil	10/31/2023			x	x	x	x	x	x																
PDI-OFFSO-007	20.5	43.169233	-77.621099	No Comment	7.0-8.75	Soil	10/31/2023		x	x	x	x	x	x	x																
				Black Staining, Naphthalene Odor	13.0-14.5	Soil	10/31/2023			x	x	x	x	x	x																
				No Comment	19.0-20.5	Soil	10/31/2023			x	x	x	x	x	x																
PDI-OFFSO-008	18.9	43.169125	-77.62147	7'-8' Red Staining	7.0-9.0	Soil	11/01/2023			x	x	x	x	x	x																
				Faint petroleum odor	13.0-15.0	Soil	11/01/2023			x	x	x	x	x	x																
				Faint Petroleum Odor, Lenses Of Staining	17.0-18.9	Soil	11/01/2023			x	x	x	x	x	x																
PDI-OFFSO-009	11.2	43.168882	-77.621436	No Comment	5.0-7.0	Soil	11/01/2023			x	x	x	x	x	x																
				Black Staining, Strong Petroleum Odor	7.0-9.0	Soil	11/01/2023	x		x	x	x	x	x	x																
				Some Staining	9.0-11.2	Soil	11/01/2023			x	x	x	x	x	x																

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PDI-OFFSO-010	21.1	43.168671	-77.621108	No Comment	9.0-11.0	Soil	11/02/2023		x	x	x	x	x	x	x																
				Black Staining, Lightly Coated at 15', Petroleum Odor	13.0-15.0	Soil	11/02/2023			x	x	x	x	x	x																	
				Some Ash	19.0-21.0	Soil	11/02/2023			x	x	x	x	x	x																	
PDI-OFFSO-011	18.8	43.168683	-77.62088	No Comment	1.0-5.0	Soil	11/02/2023			x	x	x	x	x	x																	
				Lightly Coated, Naphthalene Odor	8.0-11.00	Soil	11/02/2023			x	x	x	x	x	x																	
				Staining, Faint Petroleum Odor	17.0-18.8	Soil	11/02/2023			x	x	x	x	x	x																	
PDI-OFFSO-012	18.7	43.168715	-77.620557	No Comment	5.0-7.0	Soil	11/06/2023			x	x	x	x	x	x																	
				Faint Organic Odor	7.0-9.0	Soil	11/06/2023			x	x	x	x	x	x																	
				Slight Naphthalene Odor	15.0-16.0	Soil	11/06/2023			x	x	x	x	x	x																	
				Black Staining, Fainty Naphthalene Odor	16.0-18.7	Soil	11/06/2023			x	x	x	x	x	x																	
PDI-OFFSO-013	20	43.16845	-77.620485	No Comment	5.0-7.0	Soil	11/14/2023			x	x	x	x	x	x																	
				No Comment	9.0-11.0	Soil	11/14/2023			x	x	x	x	x	x																	
				Staining, Petroleum Odor	13.0-15.0	Soil	11/14/2023			x	x	x	x	x	x																	
				Lenses of Stained Material	19.0-20.0	Soil	11/14/2023			x	x	x	x	x	x																	
PDI-OFFSO-014	21.25	43.168594	-77.620208	No Comment	7.0-9.0	Soil	11/13/2023			x	x	x	x	x	x																	
				Staining, Petroleum Odor	11.0-13.0	Soil	11/13/2023			x	x	x	x	x	x																	
				Staining, Petroleum Odor	17.0-19.0	Soil	11/13/2023			x	x	x	x	x	x																	
				Lenses of Stained Material, Petroleum Odor	19.0-21.3	Soil	11/13/2023			x	x	x	x	x	x																	
PDI-OFFSO-015	24.3	43.16883	-77.620299	Ash top and bottom 2 inches	5.0-7.0	Soil	11/08/2023			x	x	x	x	x	x																	
				Black Stained, Petroleum Odor	11.0-13.0	Soil	11/08/2023			x	x	x	x	x	x																	
				Lenses Of Black Stained Material	23.0-24.3	Soil	11/08/2023	x		x	x	x	x	x	x																	
PDI-OFFSO-016	24.1	43.168895	-77.620516	No Comment	5.0-7.0	Soil	11/08/2023			x	x	x	x	x	x																	
				Petroleum Odor	11.0-13.0	Soil	11/08/2023			x	x	x	x	x	x																	
				Lenses Of Stained Material, NAPL Coated, Sheen, Petroleum Odor	23.0-24.1	Soil	11/08/2023			x	x	x	x	x	x																	
PDI-OFFSO-017	18.5	43.168897	-77.620801	Staining, Strong Petroleum Odor	5.0-7.0	Soil	11/03/2023			x	x	x	x	x	x																	
				Faint Petroleum Odor	17.0-18.5	Soil	11/03/2023			x	x	x	x	x	x																	
Extraction Well Boring																															
PDI-EW-03	29	43.168728	-77.620290		9.0-10.5	Soil	11/16/2023			x	x	x	x	x	x	x	x															
					10.5-11	Soil	11/16/2023			x	x	x	x	x	x																	
					15-17	Soil	11/16/2023			x	x	x	x	x	x																	
					25-26.7	Soil	11/16/2023			x	x	x	x	x	x	x	x															
Waste Chracterization																															
PDI-WC-SW1-102623	-			Composite sample from 12 Solids/Soils drums	-	Soil	10/26/2023													x	x	x	x	x	x	x	x	x	x	x	x	x

Table 2
East Station PDI Report
Sediment Sample Summary

Location or Sample ID	Total Depth (Inches)	Latitude	Longitude	Collection Method	Field Observations/ Comments	Analytical Sample Depth (Inches)	Matrix	Sampling Date	MS/MSD	Duplicate	TCL SVOCs/1,4D (8270D)	Grain Size
PDI-SED-001	19.5	43.169689	-77.622211	Push core	Slight Odor	0.0-6.0	SED	10/23/2023			x	
					No Comment	13.0-19.0	SED	10/23/2023			x	
PDI-SED-002	6	43.169489	-77.622234	Ponar	No Comment	0.0-6.0	SED	10/24/2023		x	x	
PDI-SED-003	8	43.169212	-77.622419	Ponar	No Comment	0.0-8.0	SED	10/24/2023	x		x	
PDI-SED-004	6	43.169191	-77.622252	Ponar	No Comment	0.0-6.0	SED	10/24/2023		x	x	
PDI-SED-005	16	43.169368	-77.62237	Push core	Geotechnical Sample Collected	0.0-16.0	SED	10/23/2023				x
					No Comment	10.0-16.0	SED	10/23/2023			x	
PDI-SED-006	23	43.169376	-77.622189	Push core	Geotechnical Sample Collected	0.0-23.0	SED	10/23/2023				x
					Organic Odor	17.0-23.0	SED	10/23/2023			x	
PDI-SED-007	2	43.169027	-77.622475	Ponar	No Comment	0.0-2.0	SED	10/24/2023			x	
PDI-SED-008	22	43.169007	-77.622315	Push core	Geotechnical Sample Collected	0.0-22.0	SED	10/23/2023				x
					No Comment	16.0-22.0	SED	10/23/2023			x	
PDI-SED-009	6	43.168827	-77.622458	Ponar	No Comment	0.0-6.0	SED	10/24/2023			x	
PDI-SED-010	8	43.168348	-77.622406	Ponar	No Comment	0.0-8.0	SED	10/24/2023			x	
PDI-SED-011	-	-	-		No sample collected; volume obtained was less than 1 pint of zebra mussels/shells	-	-	-				
PDI-SED-012	2	43.167687	-77.622169	Ponar	No Comment	0.0-2.0	SED	10/24/2023			x	
PDI-SED-013	3	43.16714	-77.621564	Ponar	Slight Organic Odor, Sheen	0.0-3.0	SED	10/24/2023			x	
PDI-SED-014	72	43.166828	-77.621036	Push core	Strong Petroleum Odor	60.0-66.0	SED	10/24/2023			x	
					Strong Petroleum Odor, Blebs, NAPL Coated	66.0-72.0	SED	10/24/2023			x	
PDI-SED-015	1	43.166681	-77.620898	Ponar	No Comment	0.0-1.0	SED	10/24/2023	x		x	
PDI-SED-016	-	-	-	-	No recovery after 3 attempts to obtain adequate sample volume/material. No sample collected	-	-	-				
PDI-SED-017	1	43.166465	-77.620808	Ponar	No Comment	0.0-1.0	SED	10/24/2023			x	
PDI-SED-018	16	43.166472	-77.620508	Ponar	Strong Petroleum Odor	10.0-16.0	SED	10/23/2023			x	
PDI-SED-019	2	43.166311	-77.620517	Ponar	No Comment	0.0-2.0	SED	10/24/2023			x	

Table 2
East Station PDI Report
Sediment Sample Summary

Location or Sample ID	Total Depth (Inches)	Latitude	Longitude	Collection Method	Field Observations/ Comments	Analytical Sample Depth (Inches)	Matrix	Sampling Date	MS/MSD	Duplicate	TCL SVOCs/1,4D (8270D)	Grain Size
PDI-SED-020	16	43.166374	-77.620383	Push core	Chemical Odor	0.0-6.0	SED	10/23/2023			x	
					Petroleum Odor	10.0-16.0	SED	10/23/2023			x	
PDI-SED-021	4	43.166183	-77.620299	Ponar	No Comment	0.0-4.0	SED	10/24/2023			x	
PDI-SED-022	72	43.166216	-77.620212	Push core	Geotechnical Sample Collected	0.0-66.0	SED	10/24/2023				x
					Strong Petroleum Odor	66.0-72.0	SED	10/24/2023			x	
PDI-SED-023	24	43.166004	-77.620008	Push core	Geotechnical Sample Collected	0.0-18.0	SED	10/24/2023				x
					No Comment	18.0-24.0	SED	10/24/2023			x	
PDI-SED-024	5	43.165947	-77.620116	Ponar	Strong Petro Odor	3.0-5.0	SED	10/24/2023			x	
PDI-SED-025	2	43.167927	-77.622279	Ponar	No Comment	0.0-2.0	SED	10/24/2023			x	
PDI-SED-026	3	43.167017	-77.621419	Ponar	No Comment	0.0-3.0	SED	10/24/2023			x	
PDI-SED-027	22	43.166586	-77.620699	Push core	Geotechnical Sample Collected	10.0-16.0	SED	10/24/2023				x
					Petroleum Odor	16.0-22.0	SED	10/24/2023			x	
PDI-SED-028	33	43.170038	-77.622222	Push core	Geotechnical Sample Collected	0.0-33.0	SED	10/23/2023				x
					Petroleum Odor	14.0-20.0	SED	10/23/2023			x	

Table 3
East Station PDI
Groundwater/Liquids Sample Summary

								Analytical										Waste Characterization												
Well	DTW (ft)	DTB (ft)	Developed	Sampled	Property	MS/MSD	Duplicate	Alkalinity	Ammonia/COD	PAHs + 1,4-Dioxane	Chl/Tds/Bro/SO4	TOC	TDS	VOCs	Mod. Bsln Metals / Hardness	PFAS	PAHs	TCL VOCs	TCL SVOCs	TCL Pesticides	TCL Herbicides	TAL Metals/Mercury	Total Cyanide	pH	Flashpoint	Reactive Cyanide/Reactive Sulfide	PCBs	PFAS
DW-10-01R	30.28	42.80	9/21/2023	12/19/2023	RG&E	x		x	x	x	x	x	x	x	x	x	x											
DW-10-02G	11.80	139.60	9/20/2023	12/20/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-10-03M	8.90	84.00	11/13/2023	12/21/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-10-03R	8.82	68.10	10/4/2023	12/21/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-10-04M	20.25	104.70	11/14/2023	1/8/2024	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-10-06G	50.55	163.30	9/27/2023	12/20/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-10-08R	37.00	118.70	11/14/2023	12/21/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-12-01M	10.40	88.10	11/6/2023	1/9/2024	B&L			x	x	x	x	x	x	x	x	x	x											
DW-12-01R	10.35	70.85	11/6/2023	1/9/2024	B&L			x	x	x	x	x	x	x	x	x	x											
DW-12-02M	31.60	106.60	11/7/2023	1/9/2024	B&L			x	x	x	x	x	x	x	x	x	x											
DW-12-06R	16.20	72.00	9/19/2023	12/19/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-12-07I	28.24	69.65	9/26/2023	12/19/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-12-07R	36.15	91.00	9/26/2023	12/20/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-12-09M	2.54	100.00	9/20/2023	12/21/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
DW-5	34.65	60.20	11/10/2023	1/8/2024	RG&E			x	x	x	x	x	x	x	x	x	x											
MW-2R	10.97	17.90	10/3/2023	1/8/2024	RG&E			x	x	x	x	x	x	x	x	x	x											
MW-3DR	10.42	35.46	11/14/2023	1/10/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
MW-06D	14.70	44.05	11/9/2023	1/10/2024	RG&E			x	x	x	x	x	x	x	x	x	x											
MW-7	18.85	29.95	9/27/2023	12/20/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
MW-8DR	18.98	38.00	9/29/2023	12/18/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
SW-10-02	12.12	24.33	9/19/2023	11/15/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
SW-10-07	14.50	24.66	9/25/2023	11/16/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
SW-10-08	13.75	20.60	9/25/2023	11/16/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
SW-10-09	19.20	30.70	11/15/2023	1/8/2024	RG&E			x	x	x	x	x	x	x	x	x	x											
SW-10-12	12.40	21.42	10/2/2023	11/15/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
SW-10-15	19.06	26.75	9/28/2023	12/18/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
SW-12-01	10.75	23.05	11/8/2023	1/10/2024	B&L		x	x	x	x	x	x	x	x	x	x	x											
SW-12-04	4.25	15.60	11/9/2023	1/9/2024	B&L			x	x	x	x	x	x	x	x	x	x											
SW-12-13	10.88	21.15	11/9/2023	1/9/2024	B&L			x	x	x	x	x	x	x	x	x	x											
SW-12-20	19.37	73.55	9/28/2023	11/17/2023	RG&E			x	x	x	x	x	x	x	x	x	x											
SW-12-21	19.94	30.35	9/25/2023	11/17/2023	RG&E			x	x	x	x	x	x	x	x	x	x											

Table 3
East Station PDI
Groundwater/Liquids Sample Summary

Well	DTW (ft)	DTB (ft)	Developed	Sampled	Property	MS/MSD	Duplicate	Alkalinity	Ammonia/COD	PAHs + 1,4-Dioxane	Chl/Tds/Bro/SO4	TOC	TDS	VOCs	Mod. Bsln Metals / Hardness	PFAS	PAHs	TCL VOCs	TCL SVOCs	TCL Pesticides	TCL Herbicides	TAL Metals/Mercury	Total Cyanide	pH	Flashpoint	Reactive Cyanide/Reactive Sulfide	PCBs	PFAS
WC-LIQUID	-	-	-	10/13/2023	-													x	x	x	x	x	x	x	x	x	x	
PDI-WC-LW-1	-	-	-	11/6/2023	-													x	x	x	x	x	x	x	x	x	x	
PDI-WC-LW-2	-	-	-	11/6/2023	-													x	x	x	x	x	x	x	x	x	x	
IDW-01292024	-	-	-	1/29/2024	-																							x
IDW-01292024-1	-	-	-	1/29/2024	-																							x
PDI-WC-LW1-032724	-	-	-	3/27/2023	-																							x
PDI-WC-LW2-032724	-	-	-	3/27/2023	-																							x

Table 4
East Station PDI
Summary of Imperiled Freshwater Mussel Species Known to Inhabit the Genesee River Basin

Common Name	Scientific Name	State	State	Federal	Habitat
Green Floater	*Lasmigona subviridis*	S1S2	THR	-	Inhabits small to medium size streams and rivers. Found in a variety of different flowing-water systems but is more likely to be found where there are stable, fine substrate particles including gravel, sand, and silt. It is intolerant of strong currents and often is found in slow runs and eddies with gravel and sand substrate, often near stream margins.
Fragile Papershell	*Leptodea fragilis*	S2S3	-	-	Inhabits large streams, rivers, and lakes and uses a wide range of substrates from sandy mud to cobble.
Deertoe	*Truncilla truncate*	S1	-	-	Prefers habitats within rivers with moderately swift current and firm mud, sand, and gravel; occasionally found in small streams.
Lilliput	*Toxolasma parvum*	S1	-	-	Found in backwater areas of lower reaches of rivers, lakes, ponds and slower moving areas of streams and medium rivers. Typically found in sandy and muddy substrates or fine gravel.
Paper Pondshell	*Utterbackia imbecillis*	S1	-	-	Usually found in ponds, lakes, or mud-bottomed pools and backwater areas of creeks and rivers.
Threeridge	*Amblema plicata*	S1	-	-	Found in small to large rivers with a wide variety of substrates including mud, sand, and gravel.
Wabash Pigtoe	*Fusconaia flava*	S2	-	-	Prefers creeks, streams, and rivers with moderate current up to depths of 15 feet. Prefers stable, firm bottoms consisting of mud, coarse sand, and gravel but tolerates a variety of substrates.
Black Sandshell	*Ligumia recta*	S2	-	-	Found in large streams, rivers, and lakes. In rivers and streams, usually in fast current areas including riffles and raceways. Preferred substrates include sandy mud, firm mud, coarse sand and gravel, and cobble.
Eastern Pondmussel	*Ligumia nasuta*	S2	-	-	Usually found in protected areas of lakes and ponds, in slackwater areas of rivers, slow moving streams, and in canals over a wide range of substrates but seems to prefer fine sand and mud. Usually found in depths ranging from one to 15 feet.
Pink Heelsplitter	*Potamilus alatus*	S2	-	-	Inhabits medium to large rivers and lakes and is often found in mud, sand, and gravel substrates.
Plain Pocketbook	*Lampsilis cardium*	S2S3	-	-	Found in flowing waters with moderate to strong current, and stable substrates of mud, silt, sand, or gravel.
Rainbow	*Villosa iris*	S2S3	-	-	May occur in a broad range of habitats with substrates ranging from gravel to soft silt or clay in areas of low to strong current velocity. Is sometimes found along the edges of emergent vegetation beds.
Yellow Lampmussel	*Lampsilis cardium*	S2S3	-	-	Occurs in small to large rivers, especially in or near riffles. Uses clean, firm substrates of gravel, fine gravel, and sand, often in combination with cobble.

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-001	PDI-ONSO-001	PDI-ONSO-001	PDI-ONSO-002	PDI-ONSO-002	PDI-ONSO-002	PDI-ONSO-003	PDI-ONSO-003	PDI-ONSO-003
					Start Depth	7-9	9-11	15-17	9-11	17-19	17-19	7-9	7-9	9-11
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-001-7-9	PDI-ONSO-001-9-11	PDI-ONSO-001-15-17	PDI-ONSO-002-9-11	PDI-ONSO-002-17-19	PDI-ONSO-002-17-19 DUP	PDI-ONSO-003-7-9	PDI-ONSO-003-7-9 DUP	PDI-ONSO-003-9-11
					SDG	4802142381	4802142381	4802142381	4802140671	4802140671	4802140671	4802140671	4802140671	4802140671
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/26/2023	10/26/2023	10/26/2023	10/23/2023	10/23/2023	10/23/2023	10/23/2023	10/23/2023	10/23/2023
					Sample Type Code	N	N	N	N	N	FD	N	FD	N
VOCs														
Acetone	ug/kg	**50**	100000	500000		32	47 J	16 J	22 J	7.2 J	7.7 J	11 J	3.2 J	7.7 J
Benzene	ug/kg	**60**	4800	44000		0.71 J	0.34 J	0.4 J	3.2 U	7.7	7	0.19 J	3.4 U	6.1 U
Carbon Disulfide	ug/kg					3.6 U	3.8 U	4 U	3.2 U	4.7 U	5.1 U	3.9 U	3.4 U	6.1 U
Cyclohexane	ug/kg					3.6 UJ	3.8 UJ	4 UJ	3.2 UJ	4.7 UJ	5.1 UJ	3.9 UJ	3.4 UJ	6.1 UJ
Ethylbenzene	ug/kg	**1000**	41000	390000		3.6 U	0.28 J	4 U	3.2 U	1.5 J	1.6 J	3.9 U	3.4 U	6.1 U
Isopropylbenzene (Cumene)	ug/kg					3.6 U	3.8 UJ	4 U	3.2 U	4.5 J	4.3 J	3.9 U	3.4 U	6.1 U
Methyl Acetate	ug/kg					18 U	19 U	20 U	16 U	23 U	26 U	19 U	17 U	30 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		18 U	5.4 J	20 U	4.7 J	23 U	26 U	19 U	17 U	30 U
Methylcyclohexane	ug/kg					3.6 UJ	3.8 UJ	4 UJ	3.2 UJ	4.7 UJ	5.1 UJ	3.9 UJ	3.4 UJ	6.1 UJ
Methylene Chloride	ug/kg	**50**	100000	500000		3.6 U	2.5 J	4 U	3.2 U	4.7 U	5.1 U	3.9 U	3.4 U	6.1 U
Styrene	ug/kg					3.6 U	3.8 UJ	4 U	3.2 UJ	4.7 U	5.1 U	3.9 U	3.4 U	6.1 U
Toluene	ug/kg	**700**	100000	500000		3.6 U	0.69 J	0.77 J	0.28 J	0.88 J	1.1 J	0.67 J	0.53 J	1.3 J
Xylenes	ug/kg	**1600**	100000	500000		7.2 U	7.7 UJ	8 U	6.4 U	1.9 J	10 U	7.8 U	6.9 U	12 U
SVOCs														
2,4-Dimethylphenol	ug/kg					190 U	210 U	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
2-Methylnaphthalene	ug/kg					190 U	210 U	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		190 U	210 U	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		380 U	400 U	360 U	2000 U	370 U	370 U	3800 U	7400 U	390 U
Acenaphthene	ug/kg	**98000**	100000	500000		190 U	210 U	190 U	1000 U	210	220	2000 U	3800 U	200 U
Acenaphthylene	ug/kg	**107000**	100000	500000		42 J	38 J	190 U	1000 U	190 U	190 U	2000 U	490 J	200 U
Acetophenone	ug/kg					190 U	210 U	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
Anthracene	ug/kg	1000000	100000	500000		96 J	95 J	190 U	1000 U	190 U	190 U	2000 U	1300 J	200 U
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		230	160 J	190 U	**1100 J**	190 U	190 U	2000 U	**3600 J**	200 U
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		260	170 J	190 U	1600 J	190 U	190 U	2000 U	3500 J	200 U
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		250	150 J	190 U	**1400 J**	190 U	190 U	2000 U	**2600 J**	63 J
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		130 J	82 J	190 U	1000 J	190 U	190 U	2000 U	2400 J	65 J
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		150 J	88 J	190 U	520 J	190 U	190 U	2000 U	**2000 J**	27 J
Benzyl Butyl Phthalate	ug/kg					190 U	210 U	190 U	1000 UJ	190 UJ	190 UJ	2000 UJ	3800 UJ	200 UJ
Biphenyl (Diphenyl)	ug/kg					190 U	210 U	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
Caprolactam	ug/kg					190 U	75 J	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
Carbazole	ug/kg					190 U	210 U	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
Chrysene	ug/kg	**1000**	3900	56000		230	170 J	190 U	**1100 J**	190 U	190 U	2000 U	**3400 J**	200 U
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		190 U	210 U	190 U	240 J	190 U	190 U	2000 U	3800 U	200 U
Dibenzofuran	ug/kg	210000	59000	350000		28 J	33 J	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
Fluoranthene	ug/kg	1000000	100000	500000		350	270	30 J	940 J	190 U	190 U	2000 U	10000 J	97 J
Fluorene	ug/kg	386000	100000	500000		57 J	69 J	190 U	1000 U	190 U	190 U	2000 U	690 J	200 U
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		120 J	78 J	190 U	840 J	190 U	190 U	2000 U	2200 J	200 U
Naphthalene	ug/kg	**12000**	100000	500000		27 J	29 J	190 U	1000 U	75 J	73 J	2000 U	3800 U	460
N-Nitrosodiphenylamine	ug/kg					190 U	210 U	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
Phenanthrene	ug/kg	1000000	100000	500000		320	350	40 J	1000 U	190 U	190 U	2000 U	9600 J	83 J
Phenol	ug/kg	**330**	100000	500000		190 U	210 U	190 U	1000 U	190 U	190 U	2000 U	3800 U	200 U
Pyrene	ug/kg	1000000	100000	500000		380	330	33 J	1900 J	190 U	190 U	320 J	9400 J	110 J
Total SVOCs	ug/kg					2670	2187	103	10640	285	293	320	51180	905

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-001	PDI-ONSO-001	PDI-ONSO-001	PDI-ONSO-002	PDI-ONSO-002	PDI-ONSO-002	PDI-ONSO-003	PDI-ONSO-003	PDI-ONSO-003
					Start Depth	7-9	9-11	15-17	9-11	17-19	17-19	7-9	7-9	9-11
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-001-7-9	PDI-ONSO-001-9-11	PDI-ONSO-001-15-17	PDI-ONSO-002-9-11	PDI-ONSO-002-17-19	PDI-ONSO-002-17-19 DUP	PDI-ONSO-003-7-9	PDI-ONSO-003-7-9 DUP	PDI-ONSO-003-9-11
					SDG	4802142381	4802142381	4802142381	4802140671	4802140671	4802140671	4802140671	4802140671	4802140671
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/26/2023	10/26/2023	10/26/2023	10/23/2023	10/23/2023	10/23/2023	10/23/2023	10/23/2023	10/23/2023
					Sample Type Code	N	N	N	N	N	FD	N	FD	N
Metals														
Chromium III	mg/kg		180	1500		13.3	12.6	9.2	89	12.4	12.5	17.2	24.8	15.7
Aluminum	mg/kg					11000	11000	7790	9290 J	10700	11300	7490	8700	8460
Antimony	mg/kg					4.8 J	5.6 J	1.2 J	1.1 J	0.77 J	0.6 J	1 J	1.1 J	0.51 J
Arsenic	mg/kg	**16**	16	16		5.9	8.8	12.3	11.7	10	9.5	7.1	9.2	6.3
Barium	mg/kg	820	400	400		38	73.2 J	30.4	39.4 J	37.2	41.2	40.7	46.6	64.3
Beryllium	mg/kg	47	72	590		0.49	0.64	0.4	0.54	0.69	0.73	0.42	0.5	0.42
Cadmium	mg/kg	7.5	4.3	9.3		0.092 J	0.13 J	0.098 J	0.12 J	0.23 U	0.23 U	0.85 J	2.1 J	0.098 J
Calcium	mg/kg					1290	1420 J	88700	18800	126000	116000	73000 J	43200 J	65600
Chromium, Total	mg/kg		180	1500		13.3	12.6	9.2	89 J	12.4	12.5	17.2	24.8	15.7
Cobalt	mg/kg					7.3	7.5	6.3	6.8	6.7	7.7	5.4	6	4.1
Copper	mg/kg	1720	270	270		12.4	12.6	8.5	186 J	10.4	10.2	20.7	21.7	15.6
Iron	mg/kg					16800	19800	11500	17800	20000	19100	14500	17200	13000
Lead	mg/kg	**450**	400	1000		14.8	18.2 J	12.9	72.1 J	7.7	7.2	31.3	38.4	13.7
Magnesium	mg/kg					2470	2370 J	36600	8970	44800	40100	29800 J	12300 J	17300
Manganese	mg/kg	2000	2000	10000		194	125 J	775	444	883	778	413	337	514
Nickel	mg/kg	130	310	310		16.6	17.1	12.3	21.8	13.1	14.1	12.6	14	10.4
Potassium	mg/kg					1440	2250 J	3410	2540 J	6000	6220	1990	2970	2300
Selenium	mg/kg	**4**	180	1500		4.6 U	4.8 U	0.93 J	4.8 U	4.7 U	4.7 U	4.8 U	4.3 U	5 U
Silver	mg/kg	8.3	180	1500		0.69 U	0.73 U	0.69 U	0.72 U	0.7 U	0.7 U	0.72 U	0.65 U	0.75 U
Sodium	mg/kg					81.7 J	74.5 J	322	415	472	504	216	255	360
Thallium	mg/kg					6.9 U	7.3 U	6.9 U	7.2 U	7 U	0.37 J	7.2 U	6.5 U	7.5 U
Vanadium	mg/kg					19.5	19.4	13	17.4 J	19.8	20	17	17.8	13.6
Zinc	mg/kg	2480	10000	10000		44.3	66.9 J	38.4	78 J	15.8	15.3	51.5	59.6	32.5
Chromium, Hexavalent	mg/kg	19	110	400		2.3 U	2.4 U	2.2 U	2.4 UJ	2.2 U	2.2 U	2.3 U	2.2 U	2.4 U
Mercury	mg/kg	**0.73**	0.81	2.8		0.048	0.17 J	0.0073 J	0.095	0.009 J	0.0073 J	0.11	0.078	0.078
Cyanide	mg/kg	**40**	27	27		0.91 J	1 J	1.1	1.1 J	1.1 U	1.1 U	2.5 J	1 UJ	0.98 J
PFAS														
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.1 U	2.2 U	2.2 U	2.2 U	2.2 U	2.3 U	2.2 U	2 U	2.4 U
3-Perfluoropropyl propanoic acid	ug/kg					1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1.2 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.84 U	0.89 U	0.89 U	0.88 U	0.86 U	0.9 U	0.87 U	0.82 U	0.97 U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.42 U	0.44 U	0.45 U	0.44 U	0.43 U	0.45 U	0.43 U	0.41 U	0.49 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluorobutanoic Acid	ug/kg					0.84 U	0.89 U	0.89 U	0.88 U	0.86 U	0.9 U	0.87 U	0.82 U	0.97 U
Perfluorodecane Sulfonic Acid	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluorononanoic acid (PFNA)	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.017 J	0.017 J	0.24 U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.21 U	0.22 U	0.093 J	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.21 U	0.22 U	0.22 U	0.14 J	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U
Perfluoropentanesulfonic Acid (PF	ug/kg					0.21 U	0.22 U	0.22 U	0.22 U	0.22 U	0.23 U	0.22 U	0.2 U	0.24 U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-002		PDI-ONSO-002		PDI-ONSO-002		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003	
				Start Depth	7-9		9-11		15-17		9-11		17-19		17-19		7-9		7-9		9-11	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-001-7-9		PDI-ONSO-001-9-11		PDI-ONSO-001-15-17		PDI-ONSO-002-9-11		PDI-ONSO-002-17-19		PDI-ONSO-002-17-19 DUP		PDI-ONSO-003-7-9		PDI-ONSO-003-7-9 DUP		PDI-ONSO-003-9-11	
				SDG	4802142381		4802142381		4802142381		4802140671		4802140671		4802140671		4802140671		4802140671		4802140671	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/26/2023		10/26/2023		10/26/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023	
				Sample Type Code	N		N		N		N		N		FD		N		FD		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO																		
PFAS (Cont'd)																						
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.42	U	0.024	JN	0.45	U	0.44	U	0.43	U	0.45	U	0.43	U	0.41	U	0.49	U
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.21	U	0.22	U	0.22	U	0.22	U	0.22	U	0.23	U	0.031	J	0.033	J	0.24	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.21	U	0.22	U	0.22	U	0.22	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Commercial Use SCOs

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Restricted Residential Use SCOs

Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-003		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-005		PDI-ONSO-005		PDI-ONSO-005		PDI-ONSO-006	
				Start Depth	15-16		5-5.5		5.5-7		9-11		17-17.9		9-11		17-19		19-21.6		11-12	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-003-15-16		PDI-ONSO-004-5-5.5		PDI-ONSO-004-5.5-7		PDI-ONSO-004-9-11		PDI-ONSO-004-17-17.9		PDI-ONSO-005-9-11		PDI-ONSO-005-17-19		PDI-ONSO-005-19-21.6		PDI-ONSO-006-11-12	
				SDG	4802140671		4802143101		4802143101		4802143101		4802143101		4802142331		4802142331		4802142331		4802142871	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/23/2023		10/30/2023		10/30/2023		10/30/2023		10/30/2023		10/25/2023		10/25/2023		10/25/2023		10/27/2023	
				Sample Type Code	N		N		N		N		N		N		N		N		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO																		
VOCs																						
Acetone	ug/kg	**50**	100000	500000	11	J	740	U	490	U	490	U	6.5	J	14000	U	7300	U	2400	U	270	U
Benzene	ug/kg	**60**	4800	44000	0.72	J	150	U	99	U	98	U	0.56	J	2800	U	1500	U	**1000**		**240**	
Carbon Disulfide	ug/kg				3.7	U	150	U	99	U	98	U	4.2	U	2800	U	1500	U	470	U	98	
Cyclohexane	ug/kg				3.7	UJ	150	U	99	U	98	U	4.2	UJ	2800	U	1500	U	470	U	54	U
Ethylbenzene	ug/kg	**1000**	41000	390000	0.28	J	150	U	99	U	98	U	0.29	J	2800	U	**2000**		260	J	140	
Isopropylbenzene (Cumene)	ug/kg				3.7	U	150	U	99	U	98	U	1.1	J	2800	U	900	J	470	U	210	
Methyl Acetate	ug/kg				18	U	740	U	490	U	490	U	21	U	14000	UJ	7300	UJ	2400	UJ	160	J
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000	18	U	740	U	490	U	490	U	21	U	14000	U	7300	U	2400	U	270	U
Methylcyclohexane	ug/kg				0.69	J	150	U	99	U	98	U	4.2	UJ	2800	U	1500	U	470	U	34	J
Methylene Chloride	ug/kg	**50**	100000	500000	3.7	U	150	U	99	U	98	U	4.2	U	2800	U	1500	U	470	U	54	U
Styrene	ug/kg				3.7	U	150	U	99	U	98	U	4.2	U	2800	U	1500	U	470	U	54	U
Toluene	ug/kg	**700**	100000	500000	1.8	J	250		99	U	98	U	0.71	J	2800	U	1500	U	470	U	86	
Xylenes	ug/kg	**1600**	100000	500000	1.3	J	170	J	200	U	200	U	8.4	U	5600	U	2900	U	950	U	56	J
SVOCs																						
2,4-Dimethylphenol	ug/kg				200	U	1900	U	1600	J	170	J	190	U	45000	U	1000	U	970	U	200	U
2-Methylnaphthalene	ug/kg				200	U	2400		13000		1000		190	U	40000	J	1600		260	J	200	U
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000	200	U	1900	U	**670**	J	90	J	190	U	45000	U	1000	U	970	U	200	U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000	390	U	230	J	**2600**	J	300	J	380	U	87000	U	2000	U	1900	U	390	U
Acenaphthene	ug/kg	**98000**	100000	500000	200	U	1300	J	3800	J	320		68	J	45000	U	6100		2900		260	
Acenaphthylene	ug/kg	**107000**	100000	500000	200	U	5100		16000		1100		40	J	20000	J	1100		660	J	26	J
Acetophenone	ug/kg				200	U	1900	U	4000	U	210	U	190	U	45000	U	1000	U	970	U	200	U
Anthracene	ug/kg	1000000	100000	500000	200	U	11000		25000		2200		190	U	29000	J	3700		2400		130	J
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600	200	U	**16000**		**25000**		**2200**		27	J	**120000**		**1900**		**1400**		100	J
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000	200	U	13000		20000		1700		190	U	**120000**		2000		1400		180	J
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600	33	J	**13000**		**18000**		1700		190	U	**140000**		1300		950	J	120	J
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000	200	U	4400		7300		590		190	U	60000		600	J	450	J	160	J
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000	200	U	**5300**		**11000**		620		190	U	**80000**		460	J	350	J	71	J
Benzyl Butyl Phthalate	ug/kg				200	UJ	1900	U	4000	U	210	U	190	U	45000	U	1000	U	970	U	200	U
Biphenyl (Diphenyl)	ug/kg				200	U	740	J	3200	J	300		190	U	14000	J	1500		1200		200	U
Caprolactam	ug/kg				200	U	1900	U	4000	U	210	U	190	U	45000	U	1000	U	970	U	200	U
Carbazole	ug/kg				200	U	3000		8000		690		190	U	9800	J	1000	U	970	U	27	J
Chrysene	ug/kg	**1000**	3900	56000	200	U	**14000**		**22000**		**1900**		190	U	**110000**		**1900**		**1300**		100	J
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560	200	U	1700	J	2700	J	240		190	U	22000	J	1000	U	970	U	200	U
Dibenzofuran	ug/kg	210000	59000	350000	200	U	4900		15000		1300		190	U	19000	J	260	J	140	J	47	J
Fluoranthene	ug/kg	1000000	100000	500000	61	J	37000		62000		4500		50	J	220000		4500		3000		210	
Fluorene	ug/kg	386000	100000	500000	200	U	5600		19000		1400		26	J	9400	J	3700		2300		67	J
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600	200	U	4900		7800		630		190	U	**65000**		450	J	320	J	98	J
Naphthalene	ug/kg	**12000**	100000	500000	200	U	2700		**22000**		1900		190	U	**81000**		5800		4100		43	J
N-Nitrosodiphenylamine	ug/kg				200	U	1900	U	4000	U	210	U	190	U	45000	U	1000	U	970	U	200	U
Phenanthrene	ug/kg	1000000	100000	500000	200	U	43000		95000		7900		87	J	120000		15000		9900		100	J
Phenol	ug/kg	**330**	100000	500000	200	U	1900	U	**1200**	J	190	J	190	U	45000	U	1000	U	970	U	200	U
Pyrene	ug/kg	1000000	100000	500000	71	J	30000		49000		4400		49	J	200000		6100		4600		340	
Total SVOCs	ug/kg				165		219270		450870		37340		347		1479200		57970		37630		2079	

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-003	PDI-ONSO-004	PDI-ONSO-004	PDI-ONSO-004	PDI-ONSO-004	PDI-ONSO-005	PDI-ONSO-005	PDI-ONSO-005	PDI-ONSO-006
					Start Depth	15-16	5-5.5	5.5-7	9-11	17-17.9	9-11	17-19	19-21.6	11-12
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-003-15-16	PDI-ONSO-004-5-5.5	PDI-ONSO-004-5.5-7	PDI-ONSO-004-9-11	PDI-ONSO-004-17-17.9	PDI-ONSO-005-9-11	PDI-ONSO-005-17-19	PDI-ONSO-005-19-21.6	PDI-ONSO-006-11-12
					SDG	4802140671	4802143101	4802143101	4802143101	4802143101	4802142331	4802142331	4802142331	4802142871
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/23/2023	10/30/2023	10/30/2023	10/30/2023	10/30/2023	10/25/2023	10/25/2023	10/25/2023	10/27/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
Metals														
Chromium III	mg/kg		180	1500		16.8	14.6	10.9	10.7	9.9	6.8 J	10.4	11.5	12.6
Aluminum	mg/kg					8000	8190	8030	8240	9260	5880 J	8960	11000	8730
Antimony	mg/kg					0.57 J	17 U	17.3 U	18.3 U	16.9 U	1 J	1.7 J	18 U	18.8 U
Arsenic	mg/kg	**16**	16	16		13.3	14	**18.1**	10.6	6.5	**55.3** J	**29.5**	10.3	9.4
Barium	mg/kg	820	400	400		63.7	70.4	31.9	27.2	26.6	40.1 J	44.2	30.4	66.1
Beryllium	mg/kg	47	72	590		0.39	0.43	0.44	0.41	0.57	0.27	0.49	0.59	0.42
Cadmium	mg/kg	7.5	4.3	9.3		0.079 J	0.36	0.12 J	0.11 J	0.23 U	0.11 J	0.099 J	0.096 J	0.25 U
Calcium	mg/kg					103000	38100	44200	10900	94900	98700 J	95300	175000	7010
Chromium, Total	mg/kg		180	1500		16.8	14.6 J+	10.9 J+	10.7 J+	9.9 J+	6.8 J	10.4	11.5	12.6 J+
Cobalt	mg/kg					5.9	5	4.9	5.9	6.6	2.7	6.5	10.5	6.3
Copper	mg/kg	1720	270	270		14.7	28.3	15.8	13.3	19.7	10.5 J	13.2	26.9	11.4
Iron	mg/kg					15500	14400	13300	14300	11000	10500 J	12800	9200	16400
Lead	mg/kg	**450**	400	1000		15.6	143	42.5	36.1	8.7	89.4 J	14.3	14.4	12.3
Magnesium	mg/kg					44500	8790	16800	4430	14400	7970 J	15100	10300	3510
Manganese	mg/kg	2000	2000	10000		719	396	372	199	289	241	520	417	206
Nickel	mg/kg	130	310	310		13.6	13	12.7	13.3	12.7	8.6	14.7	16.9	15.1
Potassium	mg/kg					3050	1440	2480	1420	4350	994 J	3430	5280	1040
Selenium	mg/kg	**4**	180	1500		4.7 U	0.55 J	4.6 U	4.9 U	4.5 U	1.5 J	0.81 J	0.96 J	5 U
Silver	mg/kg	8.3	180	1500		0.7 U	0.68 U	0.69 U	0.73 U	0.68 U	0.76 U	0.74 U	0.72 U	0.75 U
Sodium	mg/kg					619	174	266	220	684	605	715	617	405
Thallium	mg/kg					7 U	6.8 U	6.9 U	7.3 U	6.8 U	7.6 U	7.4 U	7.2 U	7.5 U
Vanadium	mg/kg					14.4	17.2	12.1	13.5	13.6	11.1	15.5	15.5	14.8
Zinc	mg/kg	2480	10000	10000		31.9	109	62.4	50.1	29.2	79 J	61.6	95.6	42.8
Chromium, Hexavalent	mg/kg	19	110	400		2.3 U	2.3 U	2.3 U	2.4 U	2.3 U	2.7 U	2.4 U	2.3 U	2.4 U
Mercury	mg/kg	**0.73**	0.81	2.8		0.012 J	**0.8**	0.2	0.25	0.013 J	0.13 J	0.012 J	0.0073 J	0.018 J
Cyanide	mg/kg	**40**	27	27		0.57 J	0.87 J	2.5	4.5	1.1 U	16.9	1.2 U	1 U	3.5
PFAS														
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.6 U	2.2 U	2 U	2.4 U
3-Perfluoropropyl propanoic acid	ug/kg					1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.1 U	1 U	1.2 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.93 U	0.93 U	0.94 U	0.94 U	0.94 U	1 U	0.89 U	0.8 U	0.97 U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.47 U	0.46 U	0.47 U	0.47 U	0.47 U	0.52 U	0.45 U	0.4 U	0.49 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluorobutanoic Acid	ug/kg					0.93 U	0.25 J	0.13 J	0.096 J	0.94 U	2 J-	0.075 J	0.8 U	0.97 U
Perfluorodecane Sulfonic Acid	ug/kg					0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.23 U	0.054 JN	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.23 U	0.029 J	0.23 U	0.23 U	0.23 U	0.039 J	0.22 U	0.2 U	0.24 U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.23 U	0.033 JN	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluorononanoic acid (PFNA)	ug/kg					0.23 U	0.045 J	0.015 J	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.23 U	0.54	0.37	0.072 J	0.23 U	0.21 J	0.22 U	0.2 U	0.24 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.23 U	0.11 J	0.23 U	0.23 U	0.23 U	0.061 J	0.22 U	0.2 U	0.24 U
Perfluoropentanesulfonic Acid (PF	ug/kg					0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-003	PDI-ONSO-004	PDI-ONSO-004	PDI-ONSO-004	PDI-ONSO-004	PDI-ONSO-005	PDI-ONSO-005	PDI-ONSO-005	PDI-ONSO-006
				Start Depth	15-16	5-5.5	5.5-7	9-11	17-17.9	9-11	17-19	19-21.6	11-12
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-ONSO-003-15-16	PDI-ONSO-004-5-5.5	PDI-ONSO-004-5.5-7	PDI-ONSO-004-9-11	PDI-ONSO-004-17-17.9	PDI-ONSO-005-9-11	PDI-ONSO-005-17-19	PDI-ONSO-005-19-21.6	PDI-ONSO-006-11-12
				SDG	4802140671	4802143101	4802143101	4802143101	4802143101	4802142331	4802142331	4802142331	4802142871
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	10/23/2023	10/30/2023	10/30/2023	10/30/2023	10/30/2023	10/25/2023	10/25/2023	10/25/2023	10/27/2023
				Sample Type Code	N	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO									
PFAS (Cont'd)													
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.47 U	0.071 J	0.042 J	0.47 U	0.47 U	0.52 U	0.45 U	0.4 U	0.49 U
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.26 U	0.22 U	0.2 U	0.24 U

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs
Subpart 375-6, December 2006
[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis,
and Assessment of PFAS, April 2023.
N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;
J = estimated at the value given; J+ = estimated biased high at the value given
Value exceeds the NYCRR Commercial Use SCOs
Value exceeds the NYCRR Protection of Groundwater SCOs
Value exceeds the NYCRR Restricted Residential Use SCOs
Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-006	PDI-ONSO-006	PDI-ONSO-007	PDI-ONSO-007	PDI-ONSO-007	PDI-ONSO-007	PDI-ONSO-008	PDI-ONSO-008	PDI-ONSO-008
					Start Depth	12-13	15-16.3	1-5	13-15	13-15	25-25.6	5-7	12-13	13-15
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-006-12-13	PDI-ONSO-006-15-16.3	PDI-ONSO-007-1-5	PDI-ONSO-007-13-15	PDI-ONSO-007-13-15-DUP	PDI-ONSO-007-25-25.6	PDI-ONSO-008-5-7	PDI-ONSO-008-12-13	PDI-ONSO-008-13-15
					SDG	4802142871	4802142871	4802142331	4802142331	4802142331	4802142331	4802136811	4802136811	4802136811
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/27/2023	10/27/2023	10/25/2023	10/25/2023	10/25/2023	10/25/2023	10/11/2023	10/11/2023	10/11/2023
					Sample Type Code	N	N	N	N	FD	N	N	N	N
VOCs														
Acetone	ug/kg	**50**	100000	500000		260 U	23	48 U	1900 U	2100 U	12000 U	3300 U	940 U	1000 U
Benzene	ug/kg	**60**	4800	44000		53 U	6.6	0.88 J	370 U	420 U	2300 U	**1500**	190 U	210 U
Carbon Disulfide	ug/kg					66	4.4	9.7 U	370 U	420 U	2300 U	650 U	190 U	210 U
Cyclohexane	ug/kg					53 U	4.2 UJ	9.7 UJ	370 U	420 U	2300 U	650 U	190 U	210 U
Ethylbenzene	ug/kg	**1000**	41000	390000		62	3.5 J	9.7 U	370 U	420 U	**7100**	650 U	190 U	210 U
Isopropylbenzene (Cumene)	ug/kg					160	10	9.7 U	130 J	240 J	2500	650 UJ	190 UJ	210 UJ
Methyl Acetate	ug/kg					260 U	21 U	48 U	1900 UJ	2100 UJ	12000 UJ	3300 U	940 U	1000 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		260 U	2.6 J	48 U	1900 U	2100 U	12000 U	3300 U	940 U	1000 U
Methylcyclohexane	ug/kg					53 U	4.2 UJ	9.7 UJ	370 U	420 U	1300 J	650 U	190 U	210 U
Methylene Chloride	ug/kg	**50**	100000	500000		**58**	4.2 U	9.7 U	370 U	420 U	2300 U	650 U	190 U	210 U
Styrene	ug/kg					53 UJ	4.2 U	9.7 U	370 U	420 U	2300 U	650 U	190 U	210 U
Toluene	ug/kg	**700**	100000	500000		22 J	0.61 J	0.91 J	370 U	420 U	2300 U	**1300**	190 U	210 U
Xylenes	ug/kg	**1600**	100000	500000		110 U	8.3 U	19 U	740 U	840 U	**23000**	1100 J	380 U	410 U
SVOCs														
2,4-Dimethylphenol	ug/kg					210 U	950 U	3800 U	200 U	220 U	2300 U	630 J	200 U	200 U
2-Methylnaphthalene	ug/kg					210 U	950 U	3800 U	200 U	220 U	66000	530 J	120 J	45 J
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		210 U	950 U	3800 U	200 U	220 U	2300 U	**600 J**	200 U	200 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		410 U	1900 U	7400 U	390 U	420 U	4500 U	**1400 J**	400 U	400 U
Acenaphthene	ug/kg	**98000**	100000	500000		180 J	3600	3800 U	180 J	220	23000	2100 U	45 J	32 J
Acenaphthylene	ug/kg	**107000**	100000	500000		210 U	830 J	1600 J	200 U	220 U	13000	2200	87 J	95 J
Acetophenone	ug/kg					210 U	950 U	3800 U	200 U	220 U	2300 U	2100 U	200 U	200 U
Anthracene	ug/kg	1000000	100000	500000		79 J	3200	1500 J	260	340	29000	2000 J	230	140 J
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		36 J	**1800**	**5600**	170 J	240	**15000**	**12000**	430	310
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		210 U	2000	6500	94 J	140 J	13000	17000	490	500
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		210 U	1100	**7300**	55 J	110 J	**8700**	**19000**	430	470
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		210 U	810 J	3600 J	29 J	50 J	3000	12000	350	350
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		210 U	670 J	**4100**	36 J	50 J	**3900**	**9400**	180 J	170 J
Benzyl Butyl Phthalate	ug/kg					210 U	950 U	3800 U	200 U	220 U	2300 U	2100 U	200 U	200 U
Biphenyl (Diphenyl)	ug/kg					210 U	970	3800 U	200 U	220 U	7700	2100 U	200 U	200 U
Caprolactam	ug/kg					210 U	950 U	3800 U	200 U	220 U	2300 U	2100 U	200 U	200 U
Carbazole	ug/kg					210 U	950 U	3800 U	200 U	220 U	690 J	430 J	73 J	63 J
Chrysene	ug/kg	**1000**	3900	56000		210 U	**1700**	**5400**	200	260	**12000**	**12000**	390	310
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		210 U	950 U	990 J	200 U	220 U	920 J	3500	61 J	86 J
Dibenzofuran	ug/kg	210000	59000	350000		32 J	270 J	3800 U	200 U	220 U	6800	300 J	47 J	42 J
Fluoranthene	ug/kg	1000000	100000	500000		59 J	4000	7400	210	280	29000	18000	1400	760
Fluorene	ug/kg	386000	100000	500000		210 U	3400	470 J	370	440	31000	310 J	140 J	95 J
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		210 U	560 J	3500 J	200 U	37 J	2700	**14000**	280	330
Naphthalene	ug/kg	**12000**	100000	500000		210 U	950 U	680 J	200 U	220 U	**210000**	5100	2200	290
N-Nitrosodiphenylamine	ug/kg					210 U	950 U	3800 U	200 U	220 U	2300 U	2100 U	200 U	200 U
Phenanthrene	ug/kg	1000000	100000	500000		210 U	13000	3300 J	200 U	160 J	98000	6700	490	340
Phenol	ug/kg	**330**	100000	500000		210 U	950 U	3800 U	200 U	220 U	2300 U	**860 J**	200 U	200 U
Pyrene	ug/kg	1000000	100000	500000		110 J	6600	6600	390	480	39000	14000	1300	730
Total SVOCs	ug/kg					496	44510	58540	1994	2807	612410	151960	8743	5158

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-006	PDI-ONSO-006	PDI-ONSO-007	PDI-ONSO-007	PDI-ONSO-007	PDI-ONSO-007	PDI-ONSO-008	PDI-ONSO-008	PDI-ONSO-008
					Start Depth	12-13	15-16.3	1-5	13-15	13-15	25-25.6	5-7	12-13	13-15
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-006-12-13	PDI-ONSO-006-15-16.3	PDI-ONSO-007-1-5	PDI-ONSO-007-13-15	PDI-ONSO-007-13-15-DUP	PDI-ONSO-007-25-25.6	PDI-ONSO-008-5-7	PDI-ONSO-008-12-13	PDI-ONSO-008-13-15
					SDG	4802142871	4802142871	4802142331	4802142331	4802142331	4802142331	4802136811	4802136811	4802136811
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/27/2023	10/27/2023	10/25/2023	10/25/2023	10/25/2023	10/25/2023	10/11/2023	10/11/2023	10/11/2023
					Sample Type Code	N	N	N	N	FD	N	N	N	N
Metals														
Chromium III	mg/kg		180	1500		10	8.9	21.5 J	9.5	9.3	9.7	24.7	10.7	9.2
Aluminum	mg/kg					7120	8420 J	15000 J	8170	7690	8840	7950	9060	8610
Antimony	mg/kg					18.8 U	17 UJ	7.7 J	2.4 J	3.2 J	21.5 U	66.9	5 J	2.3 J
Arsenic	mg/kg	**16**	16	16		6.3	**19.5**	**18.5** J	7.4	8.6	**18.1**	**6420**	**19.5**	**39.7**
Barium	mg/kg	820	400	400		44.9	28.3 J	88.3 J	34.6	33.3	33.6	63.3	23.7	38.2
Beryllium	mg/kg	47	72	590		0.34	0.49	1 J	0.42	0.4	0.49	0.56	0.43	0.43
Cadmium	mg/kg	7.5	4.3	9.3		0.048 J	0.23 U	0.5 J	0.15 J	0.16 J	0.06 J	4.2 J	0.14 J	0.25 U
Calcium	mg/kg					11900	167000	115000 J	54500	42200	119000	27700	4110	104000
Chromium, Total	mg/kg		180	1500		10 J+	8.9 J	21.5 J	9.5	9.3	9.7	24.7	10.7	9.2
Cobalt	mg/kg					5.9	8.7	9.8 J	6.7	7	5.4	8.1	7.6	6.1
Copper	mg/kg	1720	270	270		11.3	16.4	64 J	11.3	13.3	11	341	15.2	17.9
Iron	mg/kg					15700	10600	26600 J	13800	14600	11300	51800	15800	13100
Lead	mg/kg	**450**	400	1000		11.3	13	198 J	12.6	14.9	15.9	141	14.6	22.5
Magnesium	mg/kg					7090	8060 J	45300 J	13600	11400	31900	13000	4130	23500
Manganese	mg/kg	2000	2000	10000		233	295 J	688 J	871	817	508	324	555	674
Nickel	mg/kg	130	310	310		13.7	15	25.1 J	14.6	16	13	34.2	15	12
Potassium	mg/kg					913	3560 J	3890 J	3030	2330	4450	1330 J+	1920 J+	3780 J+
Selenium	mg/kg	**4**	180	1500		5 U	4.5 U	1.1 J	1.3 J	1.3 J	1 J	**12.9**	2.8 J	2.9 J
Silver	mg/kg	8.3	180	1500		0.75 U	0.68 U	1.4 UJ	0.72 U	0.79 U	0.86 U	0.75 U	0.72 U	0.76 U
Sodium	mg/kg					381	884	350 J	507	437	604	890	1070	1120
Thallium	mg/kg					7.5 U	6.8 U	13.9 UJ	7.2 U	7.9 U	8.6 U	7.5 U	7.2 U	7.6 U
Vanadium	mg/kg					12	11 J	35.1 J	15.3	15.2	12.8	45.8	16.8	12.6
Zinc	mg/kg	2480	10000	10000		40.6	80.9 J	126 J	39.6	41.6	36.5	138	36.8	50.7
Chromium, Hexavalent	mg/kg	19	110	400		2.5 U	2.3 U	0.044 UJ	2.3 U	2.5 U	2.7 U	2.5 U	2.5 U	2.5 U
Mercury	mg/kg	**0.73**	0.81	2.8		0.012 J	0.0086 J	0.31 J	0.0071 J	0.014 J	0.0096 J	**5.6**	0.048	0.23
Cyanide	mg/kg	**40**	27	27		0.66 J	0.88 J	2.6 J	1.1 U	1.3 U	1.3 U	12.9	1.7	1.4
PFAS														
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.4 U	2.3 U	4.2 U	2.3 U	2.2 U	2.4 U	2.4 U	2.4 U	2.3 U
3-Perfluoropropyl propanoic acid	ug/kg					1.2 U	1.2 U	2.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.96 U	0.92 U	1.7 U	0.92 U	0.88 U	0.95 U	0.97 U	0.97 U	0.94 U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.24 U	0.24 U	0.23 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.48 U	0.46 U	0.83 U	0.46 U	0.44 U	0.48 U	0.48 U	0.48 U	0.47 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.24 U	0.24 U	0.061 JN
Perfluorobutanoic Acid	ug/kg					0.96 U	0.92 U	1.7 U	0.92 U	0.88 U	0.4 J	0.97 U	0.97 U	0.94 U
Perfluorodecane Sulfonic Acid	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.24 U	0.24 U	0.23 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.24 U	0.24 U	0.23 U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.24 U	0.24 U	0.23 U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.24 U	0.23 U	0.042 J	0.23 U	0.22 U	0.24 U	0.033 JN	0.24 U	0.23 U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.041 JN	0.24 U	0.23 U
Perfluorononanoic acid (PFNA)	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.043 J	0.24 U	0.23 U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.24 U	0.24 U	0.23 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.24 U	0.23 U	0.29 J	0.23 U	0.22 U	0.24 U	0.22 J	0.24 U	0.23 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.11 J	0.24 U	0.23 U
Perfluoropentanesulfonic Acid (PF	ug/kg					0.24 U	0.23 U	0.42 U	0.23 U	0.22 U	0.24 U	0.04 JN	0.24 U	0.23 U

				Location ID	PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-007		PDI-ONSO-007		PDI-ONSO-007		PDI-ONSO-007		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008	
				Start Depth	12-13		15-16.3		1-5		13-15		13-15		25-25.6		5-7		12-13		13-15	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-006-12-13		PDI-ONSO-006-15-16.3		PDI-ONSO-007-1-5		PDI-ONSO-007-13-15		PDI-ONSO-007-13-15-DUP		PDI-ONSO-007-25-25.6		PDI-ONSO-008-5-7		PDI-ONSO-008-12-13		PDI-ONSO-008-13-15	
				SDG	4802142871		4802142871		4802142331		4802142331		4802142331		4802142331		4802136811		4802136811		4802136811	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/27/2023		10/27/2023		10/25/2023		10/25/2023		10/25/2023		10/25/2023		10/11/2023		10/11/2023		10/11/2023	
				Sample Type Code	N		N		N		N		FD		N		N		N		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO																		
PFAS (Cont'd)																						
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.48	U	0.46	U	0.83	U	0.46	U	0.44	U	0.48	U	0.068	JN	0.043	JN	0.47	U
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.24	U	0.23	U	0.42	U	0.23	U	0.22	U	0.24	U	0.24	U	0.24	U	0.23	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.24	U	0.23	U	0.42	U	0.23	U	0.22	U	0.24	U	0.24	U	0.24	U	0.23	U

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs
Subpart 375-6, December 2006
[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis,
and Assessment of PFAS, April 2023.
N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;
J = estimated at the value given; J+ = estimated biased high at the value given
Value exceeds the NYCRR Commercial Use SCOs
Value exceeds the NYCRR Protection of Groundwater SCOs
Value exceeds the NYCRR Restricted Residential Use SCOs
Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-008	PDI-ONSO-009	PDI-ONSO-009	PDI-ONSO-009	PDI-ONSO-009	PDI-ONSO-009	PDI-ONSO-010	PDI-ONSO-010	PDI-ONSO-010
					Start Depth	28-29	1-5	1-5	10-11	18.5-19.5	18.5-19.5	7-9	7-9	9-11
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-008-28-29	PDI-ONSO-009-1-5	PDI-ONSO-009-1-5-DUP	PDI-ONSO-009-10-11	PDI-ONSO-009-18.5-19.5	PDI-ONSO-009-18.5-19.5-D	PDI-ONSO-010-7-9	PDI-ONSO-010-7-9-DUP	PDI-ONSO-010-9-11
					SDG	4802136831	4802141601	4802141601	4802141601	4802141601	4802141601	4802141601	4802141601	4802141601
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/12/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023
					Sample Type Code	N	N	FD	N	N	FD	N	FD	N
VOCs														
Acetone	ug/kg	**50**	100000	500000		3800 U	24 UJ	44 U	4500 U	1100 U	1100 U	210 U	240 U	2000 U
Benzene	ug/kg	**60**	4800	44000		770 U	4.9 U	8.8 U	**1200**	**680**	**510**	**410**	**390**	**860**
Carbon Disulfide	ug/kg					770 U	4.9 U	8.8 U	900 U	230 U	340	42 U	48 U	400 U
Cyclohexane	ug/kg					770 U	4.9 UJ	8.8 UJ	900 U	230 U	220 U	13 J	48 U	400 U
Ethylbenzene	ug/kg	**1000**	41000	390000		**1900**	4.9 UJ	8.8 U	**2500**	720	**1100**	56	63	540
Isopropylbenzene (Cumene)	ug/kg					2000 J	4.9 U	8.8 U	770 J	270 J	480 J	31 J	31 J	130 J
Methyl Acetate	ug/kg					3800 U	24 U	44 U	4500 U	1100 U	1100 U	210 U	120 J	2000 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		3800 U	24 UJ	44 U	4500 U	1100 U	1100 U	210 U	240 U	2000 U
Methylcyclohexane	ug/kg					770 U	4.9 UJ	8.8 UJ	900 U	230 J	610 J	50	48 U	400 U
Methylene Chloride	ug/kg	**50**	100000	500000		770 U	4.9 U	8.8 U	900 U	230 U	220 U	42 U	19 J	400 U
Styrene	ug/kg					770 U	4.9 UJ	8.8 U	900 U	230 U	220 U	42 U	48 U	400 U
Toluene	ug/kg	**700**	100000	500000		770 U	0.51 J	8.8 U	900 U	310	220	430	510	370 J
Xylenes	ug/kg	**1600**	100000	500000		1000 J	9.7 U	18 U	760 J	880	1500	680	620	760 J
SVOCs														
2,4-Dimethylphenol	ug/kg					1800 U	180 U	170 U	2300 U	970 U	1000 U	1900 U	2000 U	1900 U
2-Methylnaphthalene	ug/kg					35000	150 J	72 J	970 J	970 U	370 J	650 J	760 J	4600
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		1800 U	180 U	170 U	2300 U	970 U	1000 U	1900 U	2000 U	1900 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		3600 U	350 U	340 U	4500 U	1900 U	2000 U	3600 U	3900 U	3700 U
Acenaphthene	ug/kg	**98000**	100000	500000		52000	29 J	170 U	7800	970 U	300 J	300 J	2000 U	6200
Acenaphthylene	ug/kg	**107000**	100000	500000		9700	150 J	74 J	20000	180 J	490 J	1800 J	1900 J	11000
Acetophenone	ug/kg					1800 U	180 U	170 U	2300 U	970 U	1000 U	1900 U	2000 U	1900 U
Anthracene	ug/kg	1000000	100000	500000		32000	230 J	75 J	27000	320 J	850 J	1500 J	1200 J	24000
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		**16000**	330 J	120 J	**21000**	320 J	880 J	**3800**	**3200**	**26000**
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		15000	350 J	130 J	14000	220 J	690 J	4100	3900	22000
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		**9700**	370 J	130 J	**12000**	190 J	570 J	**4400**	**4100**	**26000**
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		5400	250 J	94 J	4400	120 J	270 J	2200	2200	7700
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		**3800**	160 J	65 J	**6300**	120 J	300 J	**2200**	**2100**	**9300**
Benzyl Butyl Phthalate	ug/kg					1800 U	180 U	170 U	2300 U	970 U	1000 U	1900 U	2000 U	1900 U
Biphenyl (Diphenyl)	ug/kg					14000	28 J	170 U	650 J	970 U	150 J	1900 U	2000 U	4600
Caprolactam	ug/kg					1800 U	180 U	170 U	2300 U	970 U	1000 U	1900 U	2000 U	1900 U
Carbazole	ug/kg					1800 U	67 J	170 U	3600	970 U	120 J	1900 U	260 J	6500
Chrysene	ug/kg	**1000**	3900	56000		**15000**	330 J	110 J	**20000**	280 J	810 J	**3700**	**3400**	**26000**
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		1600 J	74 J	170 U	1800 J	970 U	1000 U	610 J	720 J	2300
Dibenzofuran	ug/kg	210000	59000	350000		3400	100 J	31 J	13000	110 J	270 J	320 J	270 J	12000
Fluoranthene	ug/kg	1000000	100000	500000		37000	610 J	170 J	44000	540 J	1500 J	6200	4900	61000
Fluorene	ug/kg	386000	100000	500000		37000	130 J	49 J	38000	330 J	850 J	530 J	570 J	19000
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		4400	220 J	90 J	4300	120 J	260 J	2100	2000	7500
Naphthalene	ug/kg	**12000**	100000	500000		**41000**	490 J	260 J	4600	1000	1900	1600 J	2000	12000
N-Nitrosodiphenylamine	ug/kg					2100	180 U	170 U	1900 J	970 U	1000 U	1900 U	2000 U	1900 U
Phenanthrene	ug/kg	1000000	100000	500000		120000	640 J	190 J	58000	930 J	2600 J	3200	2400	82000
Phenol	ug/kg	**330**	100000	500000		1800 U	180 U	170 U	2300 U	970 U	1000 U	1900 U	2000 U	1900 U
Pyrene	ug/kg	1000000	100000	500000		49000	540 J	170 J	47000	670 J	1800 J	5800	5100	56000
Total SVOCs	ug/kg					503100	5248	1830	350320	5450	14980	45010	40980	425700

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-008	PDI-ONSO-009	PDI-ONSO-009	PDI-ONSO-009	PDI-ONSO-009	PDI-ONSO-009	PDI-ONSO-010	PDI-ONSO-010	PDI-ONSO-010
					Start Depth	28-29	1-5	1-5	10-11	18.5-19.5	18.5-19.5	7-9	7-9	9-11
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-008-28-29	PDI-ONSO-009-1-5	PDI-ONSO-009-1-5-DUP	PDI-ONSO-009-10-11	PDI-ONSO-009-18.5-19.5	PDI-ONSO-009-18.5-19.5-D	PDI-ONSO-010-7-9	PDI-ONSO-010-7-9-DUP	PDI-ONSO-010-9-11
					SDG	4802136831	4802141601	4802141601	4802141601	4802141601	4802141601	4802141601	4802141601	4802141601
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/12/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023
					Sample Type Code	N	N	FD	N	N	FD	N	FD	N
Metals														
Chromium III	mg/kg		180	1500		10.9	9.1	7.2	37.1	20.1 J	50.3 J	12.2	13.1	21.2
Aluminum	mg/kg					7490	7070 J	5210	8490	9760	11300	8580	8700	8100
Antimony	mg/kg					16.3 U	1.9 J	2.1 J	20.8 J	11.6 J	11.6 J	3 J	2.8 J	6 J
Arsenic	mg/kg	**16**	16	16		6.5	7.7 J	1.9 J	**210**	**41.6**	**68.4**	12.4	12.2	**34.6**
Barium	mg/kg	820	400	400		32.2	35.2 J	23.9	180	32.4 J	35.5	73.3	90.8	63.1
Beryllium	mg/kg	47	72	590		0.38	0.39	0.25	0.66	0.8	0.77	0.47	0.49	0.49
Cadmium	mg/kg	7.5	4.3	9.3		0.057 J	0.12 J	0.081 J	3.1	0.5	1.3	0.33	0.37	0.29
Calcium	mg/kg					79100	16800	10200	24300	57800	50600	31800	35100	29800
Chromium, Total	mg/kg		180	1500		10.9	9.1	7.2	37.1	20.1 J	50.3 J	12.2	13.1	21.2
Cobalt	mg/kg					5.3	4.2	3.7	9.5	11.5	12.7	5.1	5.6	2.9
Copper	mg/kg	1720	270	270		9.6	9.4	5.5	142 J+	106 J+	76.7 J+	26.5 J+	29.6 J+	39.4 J+
Iron	mg/kg					10700	10700	9190	43900	44900	46200	15300	14400	21800
Lead	mg/kg	**450**	400	1000		19.1	12.1 J	5.1 J	**780**	73.4 J	81.1	118	154	150
Magnesium	mg/kg					23000	3270 J	2570	5540	23500	20700	11300	11500	11700
Manganese	mg/kg	2000	2000	10000		317	338 J	269	730	747	609	380	338	317
Nickel	mg/kg	130	310	310		12	9	7.5	36.3	31.2 J	33.5	15.1	15.7	7
Potassium	mg/kg					3480	1620 J	1090 J+	1380 J+	2410 J+	2410 J+	1920 J+	2130 J+	1960 J+
Selenium	mg/kg	**4**	180	1500		4.4 U	4.2 U	4.1 U	1.4 J	0.69 J	0.89 J	0.5 J	4.6 U	4.4 U
Silver	mg/kg	8.3	180	1500		0.65 U	0.28 J	0.32 J	3.9	1.9	1.2	0.53 J	0.61 J	0.61 J
Sodium	mg/kg					645	129 J	122 J	256	216	263	253	294	296
Thallium	mg/kg					6.5 U	6.3 U	6.1 U	8.7 U	6.8 U	7.3 U	7 U	6.9 U	6.6 U
Vanadium	mg/kg					12.9	15.9	13.8	30.5	24.1 J	56.1 J	19	22.6	26.9
Zinc	mg/kg	2480	10000	10000		34.3	25.5 J	20.2	1610	185	247	90.9	99.2	77.1
Chromium, Hexavalent	mg/kg	19	110	400		2.1 U	2.2 UJ	2.1 UJ	2.7 UJ	2.3 UJ	2.4 UJ	2.2 UJ	2.3 UJ	2.2 UJ
Mercury	mg/kg	**0.73**	0.81	2.8		0.0082 J	0.017 J	0.014 J	**3.7**	0.28 J	0.15	0.54	**0.79**	0.64
Cyanide	mg/kg	**40**	27	27		1 U	2.7	1.7	28.6	19.5 J	**90.6** J	1.4	1.9	**68.6**
PFAS														
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.1 U	2 U	2.1 U	2.7 U	2.1 U	2.2 U	2.1 U	2.4 U	2.2 U
3-Perfluoropropyl propanoic acid	ug/kg					1.1 U	1 U	1.1 U	1.3 U	1 U	1.1 U	1 U	1.2 U	1.1 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.85 U	0.82 U	0.18 J	0.11 J	0.13 J	0.18 J	0.16 J	0.2 J	0.18 J
N-ethyl perfluorooctanesulfonamid	ug/kg					0.21 U	0.2 U	0.21 U	0.27 U	0.21 U	0.22 U	0.21 U	0.24 U	0.22 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.42 U	0.41 U	0.42 U	0.54 U	0.42 U	0.44 U	0.42 U	0.47 U	0.45 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.21 U	0.2 U	0.21 U	0.27 U	0.12 JN	0.088 JN	0.21 U	0.24 U	0.22 U
Perfluorobutanoic Acid	ug/kg					0.85 U	0.11 J	0.071 J	0.14 J	0.83 U	0.87 U	0.84 U	0.94 U	0.24 J
Perfluorodecane Sulfonic Acid	ug/kg					0.033 JN	0.2 U	0.21 U	0.27 U	0.21 U	0.22 U	0.21 U	0.24 U	0.22 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.21 U	0.2 U	0.21 U	0.27 U	0.21 U	0.22 U	0.21 U	0.24 U	0.22 U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.032 JN	0.028 J	0.21 U	0.047 J	0.21 U	0.22 U	0.21 U	0.24 U	0.22 U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.035 JN	0.2 U	0.21 U	0.27 U	0.097 JN	0.034 J	0.033 J	0.039 J	0.034 JN
Perfluorohexanoic acid (PFHxA)	ug/kg					0.21 U	0.03 J	0.21 U	0.27 U	0.21 U	0.22 U	0.21 U	0.24 U	0.04 JN
Perfluorononanoic acid (PFNA)	ug/kg					0.21 U	0.024 J	0.033 J	0.04 J	0.21 U	0.22 U	0.03 JN	0.016 J	0.22 U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.083 J	0.2 U	0.21 U	0.27 U	0.21 U	0.22 U	0.21 U	0.24 U	0.22 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.21 U	0.11 J	0.14 J	0.75	0.46	0.51	0.34	0.43	0.2 J
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.092 JN	0.092 J	0.21 U	0.11 J	0.21 U	0.22 U	0.096 JN	0.079 J	0.22 U
Perfluoropentanesulfonic Acid (PF	ug/kg					0.21 U	0.2 U	0.21 U	0.27 U	0.21 U	0.096 JN	0.21 U	0.24 U	0.22 U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-008		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010	
				Start Depth	28-29		1-5		1-5		10-11		18.5-19.5		18.5-19.5		7-9		7-9		9-11	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-008-28-29		PDI-ONSO-009-1-5		PDI-ONSO-009-1-5-DUP		PDI-ONSO-009-10-11		PDI-ONSO-009-18.5-19.5		PDI-ONSO-009-18.5-19.5-D		PDI-ONSO-010-7-9		PDI-ONSO-010-7-9-DUP		PDI-ONSO-010-9-11	
				SDG	4802136831		4802141601		4802141601		4802141601		4802141601		4802141601		4802141601		4802141601		4802141601	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/12/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023	
				Sample Type Code	N		N		FD		N		N		FD		N		FD		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO																		
PFAS (Cont'd)																						
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.42	U	0.41	U	0.42	U	0.078	J	0.42	U	0.44	U	0.42	U	0.47	U	0.058	JN
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.21	U	0.2	U	0.21	U	0.27	U	0.21	U	0.22	U	0.21	U	0.24	U	0.22	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.21	U	0.2	U	0.21	U	0.27	U	0.21	U	0.22	U	0.21	U	0.24	U	0.22	U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given; J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Commercial Use SCOs

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Restricted Residential Use SCOs

Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-010	PDI-ONSO-010	PDI-ONSO-011	PDI-ONSO-011	PDI-ONSO-011	PDI-ONSO-012	PDI-ONSO-012	PDI-ONSO-012	PDI-ONSO-013
					Start Depth	13-15	17-17.6	1-4	13-14	14-14.5	5-7	13-15	19-19.66	5-6
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-010-13-15	PDI-ONSO-010-17-17.6	PDI-ONSO-011-1-4	PDI-ONSO-011-13-14	PDI-ONSO-011-14-14.5	PDI-ONSO-012-5-7	PDI-ONSO-012-13-15	PDI-ONSO-012-19-19.66	PDI-ONSO-013-5-6
					SDG	4802141601	4802141601	4802142381	4802142381	4802142381	4802140021	4802140021	4802140021	4802138871
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/24/2023	10/24/2023	10/26/2023	10/26/2023	10/26/2023	10/19/2023	10/19/2023	10/19/2023	10/17/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs														
Acetone	ug/kg	**50**	100000	500000		12000 U	8000 U	25 U	980 U	11 J	220 U	2900 U	860 U	370 U
Benzene	ug/kg	**60**	4800	44000		**26000**	**12000**	4.9 U	200 U	1 J	45 U	580 U	170 U	73 U
Carbon Disulfide	ug/kg					5600	2000	4.9 U	200 U	4.1 U	45 U	580 U	170 U	43 J
Cyclohexane	ug/kg					2400 U	1600 U	4.9 UJ	200 U	4.1 UJ	45 U	580 U	170 U	73 U
Ethylbenzene	ug/kg	**1000**	41000	390000		**22000**	**19000**	4.9 U	720	3.1 J	21 J	**1100**	200	120
Isopropylbenzene (Cumene)	ug/kg					1800 J	1800 J	4.9 U	1600	14	45 UJ	5100 J	1100 J	22 J
Methyl Acetate	ug/kg					12000 U	8000 U	25 U	980 UJ	21 U	170 J	2900 U	820 J	220 J
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		12000 U	8000 U	25 U	980 U	21 U	220 U	2900 U	860 U	370 U
Methylcyclohexane	ug/kg					2400 U	1600 U	4.9 UJ	100 J	4.1 UJ	45 U	580 U	170 U	73 U
Methylene Chloride	ug/kg	**50**	100000	500000		2400 U	1600 U	4.9 U	200 U	4.1 U	16 J	580 U	**69 J**	73 U
Styrene	ug/kg					2400 U	1600 U	4.9 U	200 U	0.22 J	45 U	580 U	170 U	73 U
Toluene	ug/kg	**700**	100000	500000		**2000 J**	**1200 J**	4.9 U	200 U	4.1 U	43 J	580 U	63 J	130
Xylenes	ug/kg	**1600**	100000	500000		**220000**	**160000**	9.9 U	410	0.99 J	78 J	720 J	240 J	250
SVOCs														
2,4-Dimethylphenol	ug/kg					11000 U	6300 U	1900 U	200 U	190 U	1900 U	210 U	190 U	2100 U
2-Methylnaphthalene	ug/kg					1000000	520000	1900 U	460	86 J	1900 U	210 U	95 J	430 J
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		11000 U	6300 U	1900 U	200 U	190 U	1900 U	210 U	190 U	2100 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		22000 U	12000 U	3600 U	390 U	370 U	3700 U	420 U	370 U	4100 U
Acenaphthene	ug/kg	**98000**	100000	500000		55000	37000	1900 U	450	220	1900 U	100 J	740	2100 U
Acenaphthylene	ug/kg	**107000**	100000	500000		**150000**	82000	640 J	130 J	68 J	1900 U	200 J	210	1900 J
Acetophenone	ug/kg					11000 U	6300 U	1900 U	200 U	190 U	1900 U	210 U	190 U	2100 U
Anthracene	ug/kg	1000000	100000	500000		190000	120000	1900 U	140 J	190 U	1900 U	210	290	830 J
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		**120000**	**72000**	260	**1100 J**	32 J	760 J	250	430	**1900 J**
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		**76000**	**47000**	1200 J	270	30 J	850 J	220	380	2900
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		**74000**	**42000**	1300 J	330	38 J	1100 J	230	290	**2800**
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		20000	14000	640 J	140 J	190 U	690 J	150 J	200	2400
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		**39000**	**24000**	730 J	120 J	190 U	370 J	120 J	170 J	1300 J
Benzyl Butyl Phthalate	ug/kg					11000 U	6300 U	1900 U	200 U	190 U	1900 U	210 U	190 U	2100 U
Biphenyl (Diphenyl)	ug/kg					100000	62000	1900 U	200 U	190 U	1900 U	110 J	64 J	2100 U
Caprolactam	ug/kg					11000 U	6300 U	1900 U	200 U	190 U	1900 U	210 U	84 J	2100 U
Carbazole	ug/kg					12000	9100	1900 U	28 J	190 U	1900 U	210 U	190 U	2100 U
Chrysene	ug/kg	**1000**	3900	56000		**110000**	**67000**	**1200 J**	280	190 U	870 J	230	430	**2000 J**
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		8000 J	5300 J	1900 U	40 J	190 U	1900 U	43 J	59 J	700 J
Dibenzofuran	ug/kg	210000	59000	350000		78000	48000	1900 U	74 J	190 U	1900 U	110 J	71 J	2100 U
Fluoranthene	ug/kg	1000000	100000	500000		260000	160000	1600 J	440	43 J	1400 J	610	850	2400
Fluorene	ug/kg	386000	100000	500000		210000	130000	1900 U	110 J	43 J	1900 U	240	240	430 J
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		**19000**	**13000**	580 J	140 J	190 U	560 J	130 J	150 J	2100
Naphthalene	ug/kg	**12000**	100000	500000		**2700000**	**1500000**	260 J	1400	180 J	1900 U	330	380	1300 J
N-Nitrosodiphenylamine	ug/kg					14000	6700	1900 U	200 U	190 U	1900 U	210 U	190 U	2100 U
Phenanthrene	ug/kg	1000000	100000	500000		690000	420000	640 J	360	50 J	1100 J	900	520	1800 J
Phenol	ug/kg	**330**	100000	500000		11000 U	6300 U	1900 U	200 U	190 U	1900 U	210 U	190 U	2100 U
Pyrene	ug/kg	1000000	100000	500000		270000	170000	1300 J	490	55 J	1300 J	630	1200	3000
Total SVOCs	ug/kg					6195000	3549100	11190	5662	845	9000	4813	6853	28190

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-011		PDI-ONSO-011		PDI-ONSO-011		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-013	
					Start Depth	13-15		17-17.6		1-4		13-14		14-14.5		5-7		13-15		19-19.66		5-6	
					Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
					Sample ID	PDI-ONSO-010-13-15		PDI-ONSO-010-17-17.6		PDI-ONSO-011-1-4		PDI-ONSO-011-13-14		PDI-ONSO-011-14-14.5		PDI-ONSO-012-5-7		PDI-ONSO-012-13-15		PDI-ONSO-012-19-19.66		PDI-ONSO-013-5-6	
					SDG	4802141601		4802141601		4802142381		4802142381		4802142381		4802140021		4802140021		4802140021		4802138871	
					Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
					Sample Date	10/24/2023		10/24/2023		10/26/2023		10/26/2023		10/26/2023		10/19/2023		10/19/2023		10/19/2023		10/17/2023	
					Sample Type Code	N		N		N		N		N		N		N		N		N	
Metals																							
Chromium III	mg/kg		180	1500		22.7		20.4		17		13.7		11.3		9.9		14.3		10.3		21.4	
Aluminum	mg/kg					8860		8210		8250		10100		11200		7680		11100		8330		11900	
Antimony	mg/kg					23.4		37.4		7.5	J	5.4	J	17.3	U	0.86	J	1.8	J	0.65	J	0.78	J
Arsenic	mg/kg	**16**	16	16		**54.7**		**68.6**		**16.3**		11.4		11.4		5.3		13.9		14.1		**16.7**	J
Barium	mg/kg	820	400	400		53.5		38.6		68.3		47.7		24		64.5		48.9		41.2		104	J
Beryllium	mg/kg	47	72	590		0.62		0.61		0.42		0.52		0.59		0.38		0.64		0.51		1.4	J
Cadmium	mg/kg	7.5	4.3	9.3		0.21	J	0.29	U	1.6		0.22	J	0.23	U	0.14	J	0.044	J	0.072	J	0.05	J
Calcium	mg/kg					41600		61500		28000		9180		132000		40400		2370		95600		43600	J
Chromium, Total	mg/kg		180	1500		22.7		20.4		17		13.7		11.3		9.9		14.3		10.3		21.4	J
Cobalt	mg/kg					3.3		4.7		6.4		7.7		11.3		4.4		8.5		6.1		5.5	
Copper	mg/kg	1720	270	270		66.8	J+	79.9	J+	90.9		23.8		20		18		14.7		14.9		22.8	
Iron	mg/kg					54900		79000		23000		19300		10200		11700		26700		12900		15800	
Lead	mg/kg	**450**	400	1000		**637**		**751**		374		70.2		16.8		102		43.6		27.7		47.7	
Magnesium	mg/kg					10900		12800		8730		3810		8240		15100		2810		35700		9050	J
Manganese	mg/kg	2000	2000	10000		389		452		328		191		320		385		144		1120		526	J
Nickel	mg/kg	130	310	310		4.2	J	5.1	J	21.6		18.7		18.1		10.9		19.9		12		14.9	
Potassium	mg/kg					1900	J+	1630	J+	1730		2140		5510		1720		2760		3420		2280	J
Selenium	mg/kg	**4**	180	1500		1.8	J	2.1	J	0.94	J	5.1	U	0.56	J	4.7	U	5	U	4.5	U	5	U
Silver	mg/kg	8.3	180	1500		2.6		3.8		0.65	U	0.76	U	0.69	U	0.71	U	0.75	U	0.68	U	0.75	U
Sodium	mg/kg					371		429		183		263		402		201		289		327		660	J
Thallium	mg/kg					7.5	U	8.8	U	6.5	U	7.6	U	6.9	U	7.1	U	7.5	U	0.4	J	7.5	U
Vanadium	mg/kg					27.7		22.8		21.9		19		14.9		16.8		21.1		14.3		20.3	
Zinc	mg/kg	2480	10000	10000		127		80.7		117		62.8		45.6		61.2		54.8		33.4		47.6	J
Chromium, Hexavalent	mg/kg	19	110	400		2.5	UJ	2.8	UJ	2.2	U	2.4	U	2.2	U	2.2	UJ	2.5	UJ	2.2	UJ	2.5	U
Mercury	mg/kg	**0.73**	0.81	2.8		0.36		0.32		**4.3**		0.57		0.026		0.17	J	0.34		0.095		0.41	
Cyanide	mg/kg	**40**	27	27		**109**		**195**		4.4		2.2		1.1	UJ	1.1	U	2.9		0.82	J	39.8	J
PFAS																							
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.5	U	2.8	U	2.1	U	2.3	U	2.1	U	2.3	U	2.3	U	2	U	2.4	U
3-Perfluoropropyl propanoic acid	ug/kg					1.2	U	1.4	U	1	U	1.1	U	1	U	1.1	U	1.2	U	1	U	1.2	U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.19	J	0.13	J	0.82	U	0.9	U	0.83	U	0.9	U	0.94	U	0.82	U	0.96	U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.5	U	0.55	U	0.41	U	0.45	U	0.41	U	0.45	U	0.47	U	0.41	U	0.48	U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluorobutanoic Acid	ug/kg					1.6		0.78	J	0.043	J	0.9	U	0.83	U	0.9	U	0.94	U	0.82	U	0.96	U
Perfluorodecane Sulfonic Acid	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluorononanoic acid (PFNA)	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.23	J	0.28	U	0.38		0.23	U	0.21	U	0.11	J	0.23	U	0.2	U	0.19	J
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.068	J	0.28	U	0.057	J	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.058	J
Perfluoropentanesulfonic Acid (PF	ug/kg					0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-011		PDI-ONSO-011		PDI-ONSO-011		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-013	
				Start Depth	13-15		17-17.6		1-4		13-14		14-14.5		5-7		13-15		19-19.66		5-6	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-010-13-15		PDI-ONSO-010-17-17.6		PDI-ONSO-011-1-4		PDI-ONSO-011-13-14		PDI-ONSO-011-14-14.5		PDI-ONSO-012-5-7		PDI-ONSO-012-13-15		PDI-ONSO-012-19-19.66		PDI-ONSO-013-5-6	
				SDG	4802141601		4802141601		4802142381		4802142381		4802142381		4802140021		4802140021		4802140021		4802138871	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/24/2023		10/24/2023		10/26/2023		10/26/2023		10/26/2023		10/19/2023		10/19/2023		10/19/2023		10/17/2023	
				Sample Type Code	N		N		N		N		N		N		N		N		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO																		
PFAS (Cont'd)																						
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.079	JN	0.065	JN	0.41	U	0.45	U	0.41	U	0.45	U	0.054	JN	0.026	JN	0.48	U
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.25	U	0.28	U	0.21	U	0.23	U	0.21	U	0.23	U	0.23	U	0.2	U	0.24	U

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs
Subpart 375-6, December 2006
[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis,
and Assessment of PFAS, April 2023.
N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;
J = estimated at the value given; J+ = estimated biased high at the value given
Value exceeds the NYCRR Commercial Use SCOs
Value exceeds the NYCRR Protection of Groundwater SCOs
Value exceeds the NYCRR Restricted Residential Use SCOs
Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-013	PDI-ONSO-013	PDI-ONSO-014	PDI-ONSO-014	PDI-ONSO-014	PDI-ONSO-014	PDI-ONSO-015	PDI-ONSO-015	PDI-ONSO-015
					Start Depth	7-9	15-19	5-7	11-13	17-19	19-20	11-13	17-19	21-21.66
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-013-7-9	PDI-ONSO-013-15-19	PDI-ONSO-014-5-7	PDI-ONSO-014-11-13	PDI-ONSO-014-17-19	PDI-ONSO-014-19-20	PDI-ONSO-015-11-13	PDI-ONSO-015-17-19	PDI-ONSO-015-21-21.66
					SDG	4802138871	4802138871	4802134721	4802134721	4802135991	4802135991	4802140021	4802140021	4802140021
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/17/2023	10/17/2023	10/6/2023	10/6/2023	10/10/2023	10/10/2023	10/19/2023	10/19/2023	10/19/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs														
Acetone	ug/kg	**50**	100000	500000		680 U	3800 U	9100 U	8700 U	1800 U	1300 U	47	13 J	230 U
Benzene	ug/kg	**60**	4800	44000		140 U	760 U	1800 U	1700 U	360 U	260 U	0.42 J	13	**190**
Carbon Disulfide	ug/kg					73 J	760 U	1800 U	1700 U	360 U	260 U	4 U	3.8 U	66
Cyclohexane	ug/kg					140 U	760 U	1800 U	1700 U	360 U	260 U	4 UJ	3.8 UJ	46 U
Ethylbenzene	ug/kg	**1000**	41000	390000		150	**6400**	**15000**	**25000**	**2200**	**3700**	4 U	1.9 J	270
Isopropylbenzene (Cumene)	ug/kg					29 J	5100	2100	2900	1200 J	1200 J	4 U	7.4	130 J
Methyl Acetate	ug/kg					120 J	3800 U	9100 U	8700 U	1800 U	1300 U	20 U	19 U	290
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		680 U	3800 U	9100 U	8700 U	1800 U	1300 U	7.1 J	1.6 J	230 U
Methylcyclohexane	ug/kg					64 J	520 J	1800 U	1300 J	700	1100	4 UJ	3.8 UJ	25 J
Methylene Chloride	ug/kg	**50**	100000	500000		140 U	760 U	1800 U	1700 U	360 U	260 U	4 U	3.8 U	11 J
Styrene	ug/kg					140 U	760 U	1800 U	1700 U	360 U	260 U	4 U	3.8 U	46 U
Toluene	ug/kg	**700**	100000	500000		220	760 U	1800 U	1700 U	360 U	260 U	0.39 J	0.42 J	46 U
Xylenes	ug/kg	**1600**	100000	500000		260 J	1400 J	**8000**	**9600**	710 U	450 J	8 U	7.7 U	65 J
SVOCs														
2,4-Dimethylphenol	ug/kg					2200 U	4000 U	990 U	970 U	200 UJ	190 U	200 U	1000 U	200 U
2-Methylnaphthalene	ug/kg					1100 J	1000 J	650 J	4000	200 U	760	200 U	1000 U	42 J
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		2200 U	4000 U	990 U	970 U	200 UJ	190 U	200 U	1000 U	200 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		4200 U	7700 U	1900 U	1900 U	390 UJ	370 U	400 U	1900 U	390 U
Acenaphthene	ug/kg	**98000**	100000	500000		520 J	2900 J	1200	3600	4700	4100	200 U	3800	240
Acenaphthylene	ug/kg	**107000**	100000	500000		3500	3300 J	850 J	2500	1400	940	200 U	1200	72 J
Acetophenone	ug/kg					2200 U	4000 U	990 U	970 U	200 U	190 U	200 U	1000 U	200 U
Anthracene	ug/kg	1000000	100000	500000		3100	7900	1400	4200	4400	3800	200 U	3500	190 J
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		**7500**	**6200**	**1300**	**3200**	**2900**	**2300**	140 J	**3100**	180 J
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		11000	5300	1900	3800	3200	2300	180 J	3100	170 J
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		**10000**	**4700**	1600	**2700**	**2100**	1400	180 J	**2100**	130 J
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		7400	2600 J	1000	1400	1400	950	120 J	1500	90 J
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		**5000**	**2200 J**	600 J	1300	760	710	60 J	720 J	48 J
Benzyl Butyl Phthalate	ug/kg					2200 U	4000 U	990 U	970 U	200 U	100 J	200 U	1000 U	200 U
Biphenyl (Diphenyl)	ug/kg					350 J	1500 J	960 J	2900	140 J	240	200 U	690 J	49 J
Caprolactam	ug/kg					2200 U	4000 U	990 U	970 U	200 U	190 U	200 U	1000 U	200 U
Carbazole	ug/kg					490 J	470 J	990 U	160 J	220	180 J	200 U	1000 U	200 U
Chrysene	ug/kg	**1000**	3900	56000		**7900**	**6000**	**1500**	**3100**	**2800**	**2100**	140 J	**2800**	170 J
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		2300	810 J	210 J	290 J	350	240	200 U	350 J	200 U
Dibenzofuran	ug/kg	210000	59000	350000		930 J	3800 J	410 J	1200	850	690	200 U	350 J	32 J
Fluoranthene	ug/kg	1000000	100000	500000		11000	14000	3200	7500	6200	5400	190 J	6000	360
Fluorene	ug/kg	386000	100000	500000		1900 J	8100	1600	4400	4900	4200	200 U	1900	140 J
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		6800	2300 J	830 J	1100	1100	760	83 J	1000	62 J
Naphthalene	ug/kg	**12000**	100000	500000		1900 J	3100 J	**14000**	**90000**	380	2900	200 U	1000 U	150 J
N-Nitrosodiphenylamine	ug/kg					2200 U	4000 U	990 U	1100	430	300	200 U	1000 U	200 U
Phenanthrene	ug/kg	1000000	100000	500000		9700	26000	6700	17000	18000	13000	52 J	1400	390
Phenol	ug/kg	**330**	100000	500000		2200 U	4000 U	990 U	970 U	200 UJ	190 U	200 U	1000 U	200 U
Pyrene	ug/kg	1000000	100000	500000		12000	15000	3900	8800	7600	6400	250	10000	580
Total SVOCs	ug/kg					104390	117180	43810	164250	63830	53770	1395	43510	3095

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-013	PDI-ONSO-013	PDI-ONSO-014	PDI-ONSO-014	PDI-ONSO-014	PDI-ONSO-014	PDI-ONSO-015	PDI-ONSO-015	PDI-ONSO-015
					Start Depth	7-9	15-19	5-7	11-13	17-19	19-20	11-13	17-19	21-21.66
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-013-7-9	PDI-ONSO-013-15-19	PDI-ONSO-014-5-7	PDI-ONSO-014-11-13	PDI-ONSO-014-17-19	PDI-ONSO-014-19-20	PDI-ONSO-015-11-13	PDI-ONSO-015-17-19	PDI-ONSO-015-21-21.66
					SDG	4802138871	4802138871	4802134721	4802134721	4802135991	4802135991	4802140021	4802140021	4802140021
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/17/2023	10/17/2023	10/6/2023	10/6/2023	10/10/2023	10/10/2023	10/19/2023	10/19/2023	10/19/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
Metals														
Chromium III	mg/kg		180	1500		33.2	39.2	17.8	15.4	4.9	9.7	15.6	13	11
Aluminum	mg/kg					13100	7640	8280	8290	8070	5500	13400	12700	10900
Antimony	mg/kg					1.5 J	2.8 J	17.4 U	18.6 U	2.1 J	1.2 J	1.3 J	18.8 U	18.2 U
Arsenic	mg/kg	**16**	16	16		**182**	**37.3**	**104**	**112**	**17.1**	**24.2**	13.1	**116**	**21.8**
Barium	mg/kg	820	400	400		90.3	69.5	60.1	60.2	51.2	25	82.4	33.9	29.3
Beryllium	mg/kg	47	72	590		1.1	0.49	0.48	0.46	0.41	0.3	0.73	0.65	0.6
Cadmium	mg/kg	7.5	4.3	9.3		0.54 J	0.28 U	0.2 J	0.21 J	0.083 J	0.21 U	0.091 J	0.25 U	0.24 U
Calcium	mg/kg					28100	12000	60800	61900	142000	135000	9290	158000	151000
Chromium, Total	mg/kg		180	1500		33.2	39.2	17.8	15.4	9.5	9.7	15.6	13	11
Cobalt	mg/kg					7.7	13	7.1	7.1	6.5	3.9	8.7	9.7	7.4
Copper	mg/kg	1720	270	270		76.1	33.3	30.4	29.8	14	11.5	18.5	27.3	23.6
Iron	mg/kg					33400	42700	18000	17600	13500	9180	21900	12500	12600
Lead	mg/kg	**450**	400	1000		378	432	101	112	19.5	14.4	63.6	16.9	17.3
Magnesium	mg/kg					5090	4770	18000	20000	24800	42300	6150	6350	14200
Manganese	mg/kg	2000	2000	10000		880	441	478	519	598	470	256	432	364
Nickel	mg/kg	130	310	310		45.2	37.3	18.9	18.6	16.4	8.8	22	17.5	14.7
Potassium	mg/kg					2230	1050	2680	2550	3070	2460	3640	5660	5360
Selenium	mg/kg	**4**	180	1500		5.5 U	5.6 U	4.6 U	4.9 U	2 J	1.7 J	4.8 U	5 U	4.9 U
Silver	mg/kg	8.3	180	1500		0.82 U	0.84 U	0.7 U	0.74 U	0.72 U	0.64 U	0.72 U	0.75 U	0.73 U
Sodium	mg/kg					619	613	465	1120	359	310	97 J	1140	990
Thallium	mg/kg					8.2 U	8.4 U	7 U	7.4 U	7.2 U	6.4 U	7.2 U	7.5 U	7.3 U
Vanadium	mg/kg					23.2	35	19.2	18.4	15.1	9.4	21.7	18.1	14
Zinc	mg/kg	2480	10000	10000		155	72	74	70.3	65.5	40.3	102	103	28.5
Chromium, Hexavalent	mg/kg	19	110	400		2.6 U	2.7 U	2.4 U	2.3 U	4.6	2.2 U	2.4 UJ	2.4 UJ	2.3 UJ
Mercury	mg/kg	**0.73**	0.81	2.8		**1.1**	**1.1**	**1**	0.52	0.0083 J	0.012 J	0.054	0.0096 J	0.017 J
Cyanide	mg/kg	**40**	27	27		20.9	11.3	1 J	2	1 U	0.63 J	0.87 J	1.2 U	1.1 U
PFAS														
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.6 U	2.7 U	2.2 U	2.3 U	2.3 U	2.2 U	2.4 U	2.2 U	2.3 U
3-Perfluoropropyl propanoic acid	ug/kg					1.3 U	1.4 U	0.27 JN	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.1 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					1.1 U	1.1 U	0.88 U	0.91 U	0.93 U	0.87 U	0.98 U	0.87 U	0.9 U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.26 U	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.53 U	0.55 U	0.44 U	0.46 U	0.47 U	0.44 U	0.49 U	0.44 U	0.45 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.26 U	0.27 U	0.76 J	0.44 J	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluorobutanoic Acid	ug/kg					1.1 U	1.1 U	0.096 J	0.91 U	0.93 U	0.87 U	0.13 J	0.87 U	0.9 U
Perfluorodecane Sulfonic Acid	ug/kg					0.26 U	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.26 U	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.26 U	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.26 U	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.26 U	0.27 U	0.22 U	0.057 J	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluorononanoic acid (PFNA)	ug/kg					0.033 J	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.26 U	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.45	0.087 J	0.13 JN	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.12 J	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U
Perfluoropentanesulfonic Acid (PF	ug/kg					0.26 U	0.27 U	0.22 U	0.23 U	0.23 U	0.22 U	0.24 U	0.22 U	0.23 U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-013		PDI-ONSO-013		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-015		PDI-ONSO-015		PDI-ONSO-015	
				Start Depth	7-9		15-19		5-7		11-13		17-19		19-20		11-13		17-19		21-21.66	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-013-7-9		PDI-ONSO-013-15-19		PDI-ONSO-014-5-7		PDI-ONSO-014-11-13		PDI-ONSO-014-17-19		PDI-ONSO-014-19-20		PDI-ONSO-015-11-13		PDI-ONSO-015-17-19		PDI-ONSO-015-21-21.66	
				SDG	4802138871		4802138871		4802134721		4802134721		4802135991		4802135991		4802140021		4802140021		4802140021	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/17/2023		10/17/2023		10/6/2023		10/6/2023		10/10/2023		10/10/2023		10/19/2023		10/19/2023		10/19/2023	
				Sample Type Code	N		N		N		N		N		N		N		N		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO																		
PFAS (Cont'd)																						
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.53	U	0.049	JN	0.034	J	0.46	U	0.47	U	0.44	U	0.49	U	0.44	U	0.45	U
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.26	U	0.27	U	0.22	U	0.23	U	0.23	U	0.22	U	0.24	U	0.22	U	0.23	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.26	U	0.27	U	0.22	U	0.23	U	0.23	U	0.22	U	0.24	U	0.22	U	0.23	U

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs
Subpart 375-6, December 2006
[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis,
and Assessment of PFAS, April 2023.
N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;
J = estimated at the value given; J+ = estimated biased high at the value given
Value exceeds the NYCRR Commercial Use SCOs
Value exceeds the NYCRR Protection of Groundwater SCOs
Value exceeds the NYCRR Restricted Residential Use SCOs
Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-016	PDI-ONSO-016	PDI-ONSO-016	PDI-ONSO-017	PDI-ONSO-017	PDI-ONSO-017	PDI-ONSO-017	PDI-ONSO-018	PDI-ONSO-018
					Start Depth	7-9	15-17	19-21	9-11	15-17	19-21	21-22	11-13	13-15
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-016-7-9	PDI-ONSO-016-15-17	PDI-ONSO-016-19-21	PDI-ONSO-017-9-11	PDI-ONSO-017-15-17	PDI-ONSO-017-19-21	PDI-ONSO-017-21-22	PDI-ONSO-018-11-13	PDI-ONSO-018-13-15
					SDG	4802139231	4802139231	4802139231	4802138871	4802138871	4802138871	4802138871	4802137941	4802137941
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/18/2023	10/18/2023	10/18/2023	10/17/2023	10/17/2023	10/17/2023	10/17/2023	10/16/2023	10/16/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs														
Acetone	ug/kg	**50**	100000	500000		1400 U	5500 U	4900 U	930 U	1100 U	2500 U	11000 U	250 U	1900 U
Benzene	ug/kg	**60**	4800	44000		280 U	1100 U	990 U	190 U	**810**	**4400**	2200 U	51 U	380 U
Carbon Disulfide	ug/kg					280 U	1100 U	990 U	190 U	210 U	510 U	2200 U	51 U	380 U
Cyclohexane	ug/kg					280 U	1100 U	990 U	190 U	210 U	510 U	2200 U	51 U	380 U
Ethylbenzene	ug/kg	**1000**	41000	390000		83 J	**38000**	**2300**	190 U	**2700**	**43000**	**11000**	51 U	380 U
Isopropylbenzene (Cumene)	ug/kg					280 U	16000	1300	190 U	350	6700	2100 J	51 U	1300
Methyl Acetate	ug/kg					1400 U	5500 U	4900 U	930 U	1100 U	2500 U	11000 U	250 U	1900 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		1400 U	5500 U	4900 U	930 U	1100 U	2500 U	11000 U	250 U	1900 U
Methylcyclohexane	ug/kg					280 U	510 J	990 U	190 U	210 U	510 U	2200 U	51 U	380 U
Methylene Chloride	ug/kg	**50**	100000	500000		280 U	1100 U	990 U	190 U	210 U	510 U	2200 U	27 J	380 U
Styrene	ug/kg					280 U	2200	990 U	190 U	210 U	510 U	2200 U	51 U	380 U
Toluene	ug/kg	**700**	100000	500000		220 J	1100 U	990 U	190 U	560	**3200**	2200 U	39 J	380 U
Xylenes	ug/kg	**1600**	100000	500000		250 J	**84000**	**5000**	370 U	890	**41000**	**19000**	100 U	770 U
SVOCs														
2,4-Dimethylphenol	ug/kg					3900 U	220 U	960 U	2000 U	2100 U	2000 U	1900 U	190 U	3700 U
2-Methylnaphthalene	ug/kg					1200 J	1200	2700	2000 U	2100 U	26000	25000	190 U	3700 U
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		3900 U	220 U	960 U	2000 U	2100 U	2000 U	1900 U	190 U	3700 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		7700 U	420 U	1900 U	3800 U	4100 U	3900 U	3800 U	380 U	7100 U
Acenaphthene	ug/kg	**98000**	100000	500000		5900	42 J	5600	2000 U	350 J	75000	26000	42 J	69000
Acenaphthylene	ug/kg	**107000**	100000	500000		5400	48 J	890 J	2000 U	2000 J	15000	5400	95 J	3700
Acetophenone	ug/kg					3900 U	220 U	960 U	2000 U	2100 U	2000 U	1900 U	190 U	3700 U
Anthracene	ug/kg	1000000	100000	500000		9100	220 U	2800	2000 U	860 J	53000	16000	94 J	13000
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		**19000**	61 J	**1700**	480 J	**1200 J**	**30000**	**9300**	210	**8700**
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		15000	49 J	1400	490 J	1900 J	**24000**	7700	260	6900
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		**17000**	59 J	1100	520 J	1500 J	**16000**	**4800**	250	**4800**
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		7500	33 J	600 J	300 J	1600 J	7000	2900	200	2900 J
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		**8900**	220 U	430 J	290 J	730 J	**7200**	**2500**	150 J	**3200 J**
Benzyl Butyl Phthalate	ug/kg					3900 U	220 U	960 U	2000 U	2100 U	2000 U	1900 U	190 U	3700 U
Biphenyl (Diphenyl)	ug/kg					1000 J	53 J	240 J	2000 U	2100 U	18000	5600	190 U	3700 U
Caprolactam	ug/kg					3900 U	220 U	960 U	2000 U	2100 U	2000 U	1900 U	190 U	3700 U
Carbazole	ug/kg					3000 J	220 U	960 U	2000 U	2100 U	1000 J	300 J	190 U	570 J
Chrysene	ug/kg	**1000**	3900	56000		**19000**	56 J	**1800**	530 J	**1400 J**	**28000**	**9200**	210	**8400**
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		2400 J	220 U	180 J	2000 U	380 J	2500	900 J	43 J	730 J
Dibenzofuran	ug/kg	210000	59000	350000		3300 J	220 U	460 J	2000 U	2100 U	5100	1700 J	24 J	14000
Fluoranthene	ug/kg	1000000	100000	500000		35000	120 J	3200	810 J	1200 J	54000	16000	370	17000
Fluorene	ug/kg	386000	100000	500000		13000	50 J	1500	2000 U	420 J	52000	17000	75 J	22000
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		6900	220 U	480 J	270 J	1200 J	6000	2400	160 J	2300 J
Naphthalene	ug/kg	**12000**	100000	500000		1400 J	**17000**	**23000**	2000 U	350 J	**110000**	**61000**	67 J	3700 U
N-Nitrosodiphenylamine	ug/kg					3900 U	220 U	960 U	2000 U	2100 U	2600	1900 U	190 U	4600
Phenanthrene	ug/kg	1000000	100000	500000		46000	140 J	4500	670 J	900 J	170000	57000	380	18000
Phenol	ug/kg	**330**	100000	500000		3900 U	220 U	960 U	2000 U	2100 U	2000 U	1900 U	190 U	3700 U
Pyrene	ug/kg	1000000	100000	500000		35000	130 J	5000	830 J	2300	82000	26000	410	23000
Total SVOCs	ug/kg					255000	19041	57580	5190	18290	784400	296700	3040	222800

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-016	PDI-ONSO-016	PDI-ONSO-016	PDI-ONSO-017	PDI-ONSO-017	PDI-ONSO-017	PDI-ONSO-017	PDI-ONSO-018	PDI-ONSO-018
					Start Depth	7-9	15-17	19-21	9-11	15-17	19-21	21-22	11-13	13-15
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-016-7-9	PDI-ONSO-016-15-17	PDI-ONSO-016-19-21	PDI-ONSO-017-9-11	PDI-ONSO-017-15-17	PDI-ONSO-017-19-21	PDI-ONSO-017-21-22	PDI-ONSO-018-11-13	PDI-ONSO-018-13-15
					SDG	4802139231	4802139231	4802139231	4802138871	4802138871	4802138871	4802138871	4802137941	4802137941
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/18/2023	10/18/2023	10/18/2023	10/17/2023	10/17/2023	10/17/2023	10/17/2023	10/16/2023	10/16/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
Metals														
Chromium III	mg/kg		180	1500		3	14.3	11.4	13.8	13.1	10.1	12.3	14.3	8.9
Aluminum	mg/kg					2480	11600	9120	10200	9650	7830	11400	12100	6010
Antimony	mg/kg					18.2 U	3.7 J	0.78 J	17.8 U	0.86 J	17.5 U	17.2 U	18 U	16.3 U
Arsenic	mg/kg	**16**	16	16		3.2	**16.1**	13.3	12.9	**31.2**	**24.3**	13.6	13	7.5
Barium	mg/kg	820	400	400		7.3	47.2	26.2	75.1	51.1	34.1	28.6	73.6	22
Beryllium	mg/kg	47	72	590		0.14 J	0.71	0.54	0.72	0.55	0.45	0.61	0.77	0.39
Cadmium	mg/kg	7.5	4.3	9.3		0.24 U	0.1 J	0.22 U	0.12 J	0.044 J	0.23 U	0.23 U	0.24 U	0.22 U
Calcium	mg/kg					33000	62200	281000	63700	21200	22300	88700	14100	54500
Chromium, Total	mg/kg		180	1500		3	14.3	11.4	13.8	13.1	10.1	12.3	14.3	8.9
Cobalt	mg/kg					2.9	9.1	13.9	5.8	6.3	5.7	8.6	9.4	5.5
Copper	mg/kg	1720	270	270		4.6	17.2	126	19.1	22.2	16.7	29.5	14.2	8.3
Iron	mg/kg					2630	18100	10500	16200	20100	17100	14100	22900	17200
Lead	mg/kg	**450**	400	1000		4.7	52.1	21.2	56.1	146	89.3	23	26.3	23.6
Magnesium	mg/kg					4260	8260	17100	10400	5360	5490	6810	8190	28900
Manganese	mg/kg	2000	2000	10000		92.6	410	377	400	262	251	255	870	615
Nickel	mg/kg	130	310	310		4 J	20.4	18.9	14.4	16.5	14.8	17.7	23.9	12.7
Potassium	mg/kg					1300	3640	4980	2270	1860	1620	4700	2490	1690
Selenium	mg/kg	**4**	180	1500		4.9 U	0.85 J	0.81 J	4.8 U	4.9 U	4.7 U	4.6 U	4.8 U	4.4 U
Silver	mg/kg	8.3	180	1500		0.73 U	0.82 U	0.66 U	0.71 U	0.73 U	0.7 U	0.69 U	0.72 U	0.65 U
Sodium	mg/kg					108 J	463	445	323	240	199	311	122 J	141 J
Thallium	mg/kg					7.3 U	8.2 U	6.6 U	7.1 U	7.3 U	7 U	6.9 U	7.2 U	6.5 U
Vanadium	mg/kg					3.6	19.1	13.8	21.5	17.3	15.5	17.2	21	10
Zinc	mg/kg	2480	10000	10000		6.2	54.2	24.7	69.5	68.3	45.3	36.3	52.5	57.1
Chromium, Hexavalent	mg/kg	19	110	400		2.3 UJ	2.5 UJ	2.2 UJ	2.3 U	2.5 U	2.4 U	2.3 U	2.3 U	2.1 U
Mercury	mg/kg	**0.73**	0.81	2.8		**8.9**	0.086	0.028	0.09	**0.78**	0.15	0.052	0.12	0.0074 J
Cyanide	mg/kg	**40**	27	27		2.1 J	2.1	1.3	1.1 U	3.6	1.8	0.5 J	12.7	1.8
PFAS														
2-(N-methyl perfluoro-1-octanesulf	ug/kg					0.2 J	2.5 U	2.1 U	2.1 U	2.3 U	2.3 U	2.3 U	2.3 U	2.2 U
3-Perfluoropropyl propanoic acid	ug/kg					1.2 U	1.3 U	1.1 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.93 U	1 U	0.86 U	0.85 U	0.92 U	0.94 U	0.93 U	0.92 U	0.86 U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.15 J	0.23 U	0.23 U	0.23 U	0.22 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.46 U	0.51 U	0.43 U	0.42 U	0.46 U	0.47 U	0.47 U	0.46 U	0.43 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U
Perfluorobutanoic Acid	ug/kg					0.18 J	1 U	0.86 U	0.85 U	0.085 J	0.94 UJ	0.93 U	0.92 U	0.86 U
Perfluorodecane Sulfonic Acid	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.035 J	0.22 U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U
Perfluorononanoic acid (PFNA)	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.23 U	0.25 U	0.21 U	0.064 J	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.13 JN	0.25 U	0.21 U	0.21 U	0.23 U	0.21 JN	0.23 U	0.23 U	0.22 U
Perfluoropentanesulfonic Acid (PF	ug/kg					0.23 U	0.25 U	0.21 U	0.21 U	0.23 U	0.23 U	0.23 U	0.23 U	0.22 U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-018		PDI-ONSO-018	
				Start Depth	7-9		15-17		19-21		9-11		15-17		19-21		21-22		11-13		13-15	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-016-7-9		PDI-ONSO-016-15-17		PDI-ONSO-016-19-21		PDI-ONSO-017-9-11		PDI-ONSO-017-15-17		PDI-ONSO-017-19-21		PDI-ONSO-017-21-22		PDI-ONSO-018-11-13		PDI-ONSO-018-13-15	
				SDG	4802139231		4802139231		4802139231		4802138871		4802138871		4802138871		4802138871		4802137941		4802137941	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/18/2023		10/18/2023		10/18/2023		10/17/2023		10/17/2023		10/17/2023		10/17/2023		10/16/2023		10/16/2023	
				Sample Type Code	N		N		N		N		N		N		N		N		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO																		
PFAS (Cont'd)																						
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.46	U	0.33	JN	0.13	J	0.42	U	0.071	JN	0.061	J	0.47	U	0.46	U	0.43	U
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.23	U	0.25	U	0.21	U	0.21	U	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.23	U	0.25	U	0.21	U	0.21	U	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs
Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis,
and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;
J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Commercial Use SCOs

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Restricted Residential Use SCOs

Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-018		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-020		PDI-ONSO-020		PDI-ONSO-020		PDI-ONSO-021	
					Start Depth	17-18		5-7		7-9		13-15		21-21.6		12-13		13-15		19-21		4-5	
					Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
					Sample ID	PDI-ONSO-018-17-18		PDI-ONSO-019-5-7		PDI-ONSO-019-7-9		PDI-ONSO-019-13-15		PDI-ONSO-019-21-21.6		PDI-ONSO-020-12-13		PDI-ONSO-020-13-15		PDI-ONSO-020-19-21		PDI-ONSO-021-4-5	
					SDG	4802137941		4802131461		4802131461		4802131461		4802131461		4802132331		4802132331		4802132331		4802134371	
					Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
					Sample Date	10/16/2023		9/27/2023		9/27/2023		9/27/2023		9/27/2023		9/28/2023		9/28/2023		9/28/2023		10/4/2023	
					Sample Type Code	N		N		N		N		N		N		N		N		N	
VOCs																							
Acetone	ug/kg	**50**	100000	500000		11000	U	19000	U	410	U	6700	U	6200	U	15	J	400	U	2700	U	23	U
Benzene	ug/kg	**60**	4800	44000		2100	U	3900	U	81	U	**5100**		1200	U	4.5	U	79	U	540	U	4.6	U
Carbon Disulfide	ug/kg					2100	U	3900	U	81	U	1300	U	1200	U	4.5	U	79	U	540	U	4.6	U
Cyclohexane	ug/kg					2100	U	3900	U	81	U	1300	U	1200	U	4.5	U	79	U	540	U	4.6	U
Ethylbenzene	ug/kg	**1000**	41000	390000		**47000**		3900	U	81	U	**19000**		**2800**		4.5	U	79	U	650		4.6	U
Isopropylbenzene (Cumene)	ug/kg					5800		3900	U	81	U	4000		830	J	4.5	U	79	U	490	J	4.6	UJ
Methyl Acetate	ug/kg					11000	U	19000	U	410	U	6700	U	6200	U	22	U	400	U	2700	U	23	U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		11000	U	19000	U	410	U	6700	U	6200	U	22	U	400	U	2700	U	23	U
Methylcyclohexane	ug/kg					2300		3900	U	81	U	1300	U	1200	U	4.5	UJ	79	U	540	U	4.6	U
Methylene Chloride	ug/kg	**50**	100000	500000		2100	U	3900	U	81	U	1300	U	1200	U	4.5	U	79	U	540	U	4.6	U
Styrene	ug/kg					2100	U	3900	U	81	U	1300	U	1200	U	4.5	U	79	U	540	U	4.6	U
Toluene	ug/kg	**700**	100000	500000		2100	U	3900	U	81	U	1300	U	1200	U	0.34	J	79	U	540	U	4.6	U
Xylenes	ug/kg	**1600**	100000	500000		**54000**		**6700**	J	160	U	**3300**		2500	U	9	U	160	U	1100	U	9.2	U
SVOCs																							
2,4-Dimethylphenol	ug/kg					10000	U	24000	U	28000	U	39000	U	2000	U	200	U	190	U	1000	U	1800	U
2-Methylnaphthalene	ug/kg					51000		91000		28000	U	39000	U	12000		200	U	190	U	6200		1800	U
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		10000	UJ	24000	U	28000	U	39000	U	2000	U	200	U	190	U	1000	U	1800	U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		20000	U	47000	U	54000	U	75000	U	3900	U	380	U	370	U	1900	U	3400	U
Acenaphthene	ug/kg	**98000**	100000	500000		17000		15000	J	28000	U	55000		14000		200	U	700		8100		1800	U
Acenaphthylene	ug/kg	**107000**	100000	500000		4700	J	32000		21000	J	83000		3100		200	U	110	J	4400		1800	U
Acetophenone	ug/kg					10000	U	24000	U	28000	U	39000	U	2000	U	200	U	190	U	1000	U	1800	U
Anthracene	ug/kg	1000000	100000	500000		6900	J	85000		28000	U	28000	J	8000		200	U	190	U	6200		1800	U
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		**4600**	**J**	**99000**		**3200**	**J**	**8800**	**J**	**4300**	**J**	200	U	180	J	**7100**		610	J
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		3300	J	**100000**		14000	J	**41000**		3800		200	U	190	U	6400		730	J
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		**2300**	**J**	**110000**		**11000**	**J**	**29000**	**J**	**2600**		200	U	190	U	**4100**		850	J
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		1300	J	52000		11000	J	27000	J	1800	J	46	J	78	J	2200		520	J
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		10000	U	**44000**		**4900**	**J**	**13000**	**J**	1500	J	200	U	190	U	**1900**		350	J
Benzyl Butyl Phthalate	ug/kg					10000	U	24000	U	28000	U	39000	U	2000	U	200	U	190	U	1000	U	1800	U
Biphenyl (Diphenyl)	ug/kg					4800	J	18000	J	28000	U	39000	U	2100		200	U	190	U	3800		1800	U
Caprolactam	ug/kg					10000	UJ	24000	U	28000	U	39000	U	2000	U	200	U	190	U	1000	U	1800	U
Carbazole	ug/kg					10000	U	23000	J	28000	U	8900	J	420	J	200	U	190	U	220	J	1800	U
Chrysene	ug/kg	**1000**	3900	56000		**3700**	**J**	**93000**		28000	U	**8700**	**J**	**4300**	**J**	200	U	170	J	**6200**		610	J
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		10000	U	15000	J	28000	U	8500	J	570	J	200	U	190	U	660	J	1800	U
Dibenzofuran	ug/kg	210000	59000	350000		2700	J	55000		28000	U	12000	J	1800	J	200	U	33	J	1300		1800	U
Fluoranthene	ug/kg	1000000	100000	500000		7400	J	240000		3600	J	21000	J	8900		21	J	300		16000		1200	J
Fluorene	ug/kg	386000	100000	500000		9900	J	63000		28000	U	44000		9800		200	U	30	J	9200		1800	U
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		10000	U	**55000**		**9700**	**J**	**25000**	**J**	1600	J	28	J	58	J	1800		490	J
Naphthalene	ug/kg	**12000**	100000	500000		**180000**		**190000**		28000	U	**18000**	**J**	**21000**		200	U	24	J	**13000**		1800	U
N-Nitrosodiphenylamine	ug/kg					10000	U	24000	U	28000	U	39000	U	2000	U	200	U	190	U	1000	U	1800	U
Phenanthrene	ug/kg	1000000	100000	500000		26000		260000		28000	U	12000	J	26000		200	U	190	U	34000		550	J
Phenol	ug/kg	**330**	100000	500000		10000	UJ	24000	U	28000	U	39000	U	2000	U	200	U	190	U	1000	U	1800	U
Pyrene	ug/kg	1000000	100000	500000		11000		170000		5400	J	25000	J	11000		57	J	500		18000		890	J
Total SVOCs	ug/kg					336600		1810000		83800		467900		138590		152		2183		150780		6800	

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-018	PDI-ONSO-019	PDI-ONSO-019	PDI-ONSO-019	PDI-ONSO-019	PDI-ONSO-020	PDI-ONSO-020	PDI-ONSO-020	PDI-ONSO-021
					Start Depth	17-18	5-7	7-9	13-15	21-21.6	12-13	13-15	19-21	4-5
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-018-17-18	PDI-ONSO-019-5-7	PDI-ONSO-019-7-9	PDI-ONSO-019-13-15	PDI-ONSO-019-21-21.6	PDI-ONSO-020-12-13	PDI-ONSO-020-13-15	PDI-ONSO-020-19-21	PDI-ONSO-021-4-5
					SDG	4802137941	4802131461	4802131461	4802131461	4802131461	4802132331	4802132331	4802132331	4802134371
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/16/2023	9/27/2023	9/27/2023	9/27/2023	9/27/2023	9/28/2023	9/28/2023	9/28/2023	10/4/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
Metals														
Chromium III	mg/kg		180	1500		8.6	22.4	5.3	7.7 J	14.1	11.4	8.8	6.8	22.4
Aluminum	mg/kg					7730	10800	4100	5050 J	12000	9240	7740	5470	8390
Antimony	mg/kg					18.2 U	20.7 U	24.7 U	35.7 UJ	18.5 U	16.9 U	17 U	17.1 U	15.9 U
Arsenic	mg/kg	**16**	16	16		6.9	**19.3**	**19.2**	**47.9 J**	11.3	6.5	6.7	5.7	7
Barium	mg/kg	820	400	400		33.5	278	27.5	136 J	29	131	36.8	32.7	63.8
Beryllium	mg/kg	47	72	590		0.48	1.3	0.22 J	0.25 J	0.63	0.49	0.42	0.39	0.46
Cadmium	mg/kg	7.5	4.3	9.3		0.24 U	0.56	0.17 J	0.086 J	0.25 U	0.22 U	0.23 U	0.23 U	0.29
Calcium	mg/kg					65700	85100	226000	328000 J	148000	80700	91800	98000	58300
Chromium, Total	mg/kg		180	1500		8.6	22.4	5.3	7.7 J	14.1	11.4	8.8	6.8	22.4
Cobalt	mg/kg					5.4	5.5	2.3	3.5 J	9.7	5.9	6	4.2	6.1
Copper	mg/kg	1720	270	270		14.4	28.9	16.4	23.9 J	25.2	8.6	11.5	11.7	25.8
Iron	mg/kg					12600	24300	15400	12500 J	12300	15300 J+	12400 J+	10700 J+	16400
Lead	mg/kg	**450**	400	1000		14.7	**1020**	129	163 J	15.1	14.2	11.5	19	190
Magnesium	mg/kg					12300	17700	58700	20800 J	9680	26500	20800	20600	21600
Manganese	mg/kg	2000	2000	10000		395	465	427	599 J	349	556	548	484	556
Nickel	mg/kg	130	310	310		12.1	15.4	6.7 J	10.5 J	16.7	14.1	13.2	10.1	15.6
Potassium	mg/kg					3300	1020	679	478 J	5690	3590	3360	3210	2780
Selenium	mg/kg	**4**	180	1500		4.9 U	2.3 J	2.8 J	3 J	4.9 U	4.5 U	4.5 U	4.6 U	4.2 U
Silver	mg/kg	8.3	180	1500		0.73 U	0.83 U	0.99 U	1.4 UJ	0.74 U	0.67 U	0.68 U	0.68 U	0.64 U
Sodium	mg/kg					184	535	432	765 J	326	344	342	793	431
Thallium	mg/kg					7.3 U	0.81 J	0.6 J	0.8 J	0.39 J	6.7 U	6.8 U	6.8 U	6.4 U
Vanadium	mg/kg					10.9	32.1	10.1	14.1 J	15.7	14.1	12.9	7.9	17.2
Zinc	mg/kg	2480	10000	10000		51.3	139	174	112 J	18.8	41.8	46.2	26.4	108
Chromium, Hexavalent	mg/kg	19	110	400		2.4 U	2.9 U	3.2 U	4.5 UJ	2.4 U	2.3 U	2.2 U	2.4 U	2.1 U
Mercury	mg/kg	**0.73**	0.81	2.8		0.018 J	**4.8**	0.18	0.1 J	0.01 J	0.0074 J	0.0056 J	0.023 U	0.061
Cyanide	mg/kg	**40**	27	27		1.2 UJ	2.8 J	10.5 J	**268 J**	1.2	1.1 U	0.62 J	1.1 U	1 U
PFAS														
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.3 U					2.4 U	2.3 U	2.4 U	2 U
3-Perfluoropropyl propanoic acid	ug/kg					1.2 U					1.2 U	1.1 U	1.2 U	1 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.93 U					0.95 U	0.91 U	0.94 U	0.8 U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.2 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.47 U					0.47 U	0.46 U	0.47 U	0.4 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.2 U
Perfluorobutanoic Acid	ug/kg					0.054 J					0.95 U	0.91 U	0.23 J	0.8 U
Perfluorodecane Sulfonic Acid	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.2 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.2 U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.026 J
Perfluorohexanesulfonic acid (PFH	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.2 U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.2 U
Perfluorononanoic acid (PFNA)	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.052 J
Perfluorooctane Sulfonamide (FOS	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.2 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.23 U					0.24 U	0.23 U	0.24 U	0.57
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.23 U					0.24 U	0.23 U	0.24 U	0.077 J
Perfluoropentanesulfonic Acid (PF	ug/kg					0.23 U					0.24 U	0.23 U	0.24 U	0.2 U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

					Location ID	PDI-ONSO-018		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-020		PDI-ONSO-020		PDI-ONSO-020		PDI-ONSO-021	
					Start Depth	17-18		5-7		7-9		13-15		21-21.6		12-13		13-15		19-21		4-5	
					Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
					Sample ID	PDI-ONSO-018-17-18		PDI-ONSO-019-5-7		PDI-ONSO-019-7-9		PDI-ONSO-019-13-15		PDI-ONSO-019-21-21.6		PDI-ONSO-020-12-13		PDI-ONSO-020-13-15		PDI-ONSO-020-19-21		PDI-ONSO-021-4-5	
					SDG	4802137941		4802131461		4802131461		4802131461		4802131461		4802132331		4802132331		4802132331		4802134371	
					Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
					Sample Date	10/16/2023		9/27/2023		9/27/2023		9/27/2023		9/27/2023		9/28/2023		9/28/2023		9/28/2023		10/4/2023	
					Sample Type Code	N		N		N		N		N		N		N		N		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO																			
PFAS (Cont'd)																							
Perfluoropentanoic Acid (PFPeA)	ug/kg					0.47	U									0.47	U	0.46	U	0.47	U	0.037	JN
Perfluorotridecanoic Acid (PFTriA)	ug/kg					0.23	U									0.24	U	0.23	U	0.24	U	0.2	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg					0.23	U									0.24	U	0.23	U	0.24	U	0.03	J

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Commercial Use SCOs

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Restricted Residential Use SCOs

Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-021	PDI-ONSO-022	PDI-ONSO-022	PDI-ONSO-023	PDI-ONSO-023	PDI-ONSO-023	PDI-ONSO-024	PDI-ONSO-024	PDI-ONSO-024
					Start Depth	23-25	19-20	20-21	14-15	17-18	23-24	5-7	7-9	17-19
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-021-23-25	PDI-ONSO-022-19-20	PDI-ONSO-022-20-21	PDI-ONSO-023-14-15	PDI-ONSO-023-17-18	PDI-ONSO-023-23-24	PDI-ONSO-024-5-7	PDI-ONSO-024-7-9	PDI-ONSO-024-17-19
					SDG	4802134371	4802132331	4802132331	4802133211	4802133211	4802133211	4802136831	4802136831	4802136831
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/4/2023	9/28/2023	9/29/2023	10/2/2023	10/2/2023	10/2/2023	10/12/2023	10/12/2023	10/12/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs														
Acetone	ug/kg	**50**	100000	500000		**76**	820 U	1100 U	47	16	10000 U	720 U	350 U	28000 U
Benzene	ug/kg	**60**	4800	44000		0.85 J	160 U	230 U	4.2 U	0.39 J	2100 U	140 U	71 U	**86000**
Carbon Disulfide	ug/kg					4.5 U	160 U	230 U	4.2 U	2.9 J	2100 U	140 U	71 U	5600 U
Cyclohexane	ug/kg					1 J	160 U	230 U	4.2 U	3.2 U	2100 U	140 U	71 U	5600 U
Ethylbenzene	ug/kg	**1000**	41000	390000		4.5 U	160 U	230 U	4.2 U	0.23 J	**2600**	140 U	71 U	**270000**
Isopropylbenzene (Cumene)	ug/kg					4.5 UJ	160 U	230 U	4.2 U	2.6 J	1800 J	140 UJ	71 UJ	8700 J
Methyl Acetate	ug/kg					23 U	820 U	1100 U	21 U	5.6 J	10000 U	720 U	350 U	28000 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		9.5 J	820 U	1100 U	5.6 J	16 U	10000 U	720 U	350 U	28000 U
Methylcyclohexane	ug/kg					0.9 J	160 U	140 J	4.2 U	3.2 U	2100 U	140 U	71 U	5600 U
Methylene Chloride	ug/kg	**50**	100000	500000		4.5 U	160 U	230 U	4.2 U	3.2 U	2100 U	140 U	71 U	5600 U
Styrene	ug/kg					4.5 U	160 U	230 U	4.2 U	0.28 J	2100 U	140 U	71 U	5600 U
Toluene	ug/kg	**700**	100000	500000		0.77 J	160 U	220 J	0.54 J	0.83 J	2100 U	140 U	45 J	**250000**
Xylenes	ug/kg	**1600**	100000	500000		9.1 U	330 U	280 J	8.4 U	0.55 J	4100 U	290 U	140 U	**350000**
SVOCs														
2,4-Dimethylphenol	ug/kg					2000 U	1800 U	18000 U	200 U	910 U	9800 U	1800 U	1800 U	20000 U
2-Methylnaphthalene	ug/kg					2000 U	1800 U	36000	200 U	910 U	54000	380 J	1800 U	1600000
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		2000 U	1800 U	18000 U	200 U	910 U	9800 U	1800 U	1800 U	20000 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		3900 U	3600 U	35000 U	390 U	1800 U	19000 U	3600 U	3500 U	39000 U
Acenaphthene	ug/kg	**98000**	100000	500000		2000 U	1800 U	11000 J	200 U	790 J	42000	1800 U	1800 U	**290000**
Acenaphthylene	ug/kg	**107000**	100000	500000		2000 U	1400 J	47000	200 U	500 J	4200 J	290 J	1800 U	**360000**
Acetophenone	ug/kg					2000 U	1800 U	18000 U	200 U	910 U	9800 U	1800 U	1800 U	20000 U
Anthracene	ug/kg	1000000	100000	500000		2000 U	2000	71000	200 U	630 J	19000	470 J	1800 U	250000
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		620 J	**5300**	**150000**	20 J	750 J	**11000**	**1900**	920 J	**140000**
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		710 J	5100	**170000**	200 U	590 J	9100 J	2200	990 J	**120000**
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		650 J	**6100**	**180000**	200 U	390 J	**6100 J**	**2200**	1000 J	**84000**
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		520 J	2400	70000	200 U	330 J	3800 J	940 J	380 J	34000
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		260 J	**2400**	**67000**	200 U	180 J	**3100 J**	1200 J	520 J	**31000**
Benzyl Butyl Phthalate	ug/kg					2000 U	1800 U	18000 U	200 U	910 U	9800 U	1800 U	1800 U	20000 U
Biphenyl (Diphenyl)	ug/kg					2000 U	1800 U	8800 J	200 U	910 U	8700 J	1800 U	1800 U	140000
Caprolactam	ug/kg					2000 U	1800 U	18000 U	200 U	910 U	9800 U	1800 U	1800 U	20000 U
Carbazole	ug/kg					2000 U	340 J	17000 J	200 U	910 U	9800 U	1800 U	1800 U	5000 J
Chrysene	ug/kg	**1000**	3900	56000		560 J	**5400**	**140000**	200 U	760 J	**10000**	**1800**	860 J	**120000**
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		2000 U	770 J	17000 J	200 U	910 U	9800 U	320 J	1800 U	11000 J
Dibenzofuran	ug/kg	210000	59000	350000		2000 U	310 J	37000	200 U	110 J	4200 J	1800 U	1800 U	60000
Fluoranthene	ug/kg	1000000	100000	500000		1200 J	16000	370000	82 J	1200	25000	3500	2100	310000
Fluorene	ug/kg	386000	100000	500000		2000 U	830 J	46000	200 U	380 J	24000	240 J	1800 U	340000
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		410 J	2500	**72000**	200 U	200 J	2800 J	950 J	380 J	**29000**
Naphthalene	ug/kg	**12000**	100000	500000		2000 U	300 J	**100000**	200 U	910 U	**61000**	620 J	600 J	**2400000**
N-Nitrosodiphenylamine	ug/kg					2000 U	1800 U	18000 U	200 U	910 U	9800 U	1800 U	1800 U	20000 U
Phenanthrene	ug/kg	1000000	100000	500000		1000 J	7600	210000	200 U	550 J	80000	1700 J	1100 J	1000000
Phenol	ug/kg	**330**	100000	500000		2000 U	1800 U	18000 U	200 U	910 U	9800 U	1800 U	1800 U	20000 U
Pyrene	ug/kg	1000000	100000	500000		1400 J	9100	260000	220	2000	32000	2700	1400 J	420000
Total SVOCs	ug/kg					7330	67850	2079800	322	9360	400000	21410	10250	7744000

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-021		PDI-ONSO-022		PDI-ONSO-022		PDI-ONSO-023		PDI-ONSO-023		PDI-ONSO-023		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-024	
					Start Depth	23-25		19-20		20-21		14-15		17-18		23-24		5-7		7-9		17-19	
					Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
					Sample ID	PDI-ONSO-021-23-25		PDI-ONSO-022-19-20		PDI-ONSO-022-20-21		PDI-ONSO-023-14-15		PDI-ONSO-023-17-18		PDI-ONSO-023-23-24		PDI-ONSO-024-5-7		PDI-ONSO-024-7-9		PDI-ONSO-024-17-19	
					SDG	4802134371		4802132331		4802132331		4802133211		4802133211		4802133211		4802136831		4802136831		4802136831	
					Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
					Sample Date	10/4/2023		9/28/2023		9/29/2023		10/2/2023		10/2/2023		10/2/2023		10/12/2023		10/12/2023		10/12/2023	
					Sample Type Code	N		N		N		N		N		N		N		N		N	
Metals																							
Chromium III	mg/kg		180	1500		34		14.7		13.7		51.8		10.7		8.7		10.1		9.2		16.1	
Aluminum	mg/kg					11800		13700		7430		13800		8300		8230		7640		7360		11600	
Antimony	mg/kg					1.3	J	16.7	U	15.8	U	17.1	U	16.8	U	17.1	U	16.7	U	15.5	U	18.1	U
Arsenic	mg/kg	**16**	16	16		**44.9**		5.1		11.8		9.6		5.2		5.3		4.4		3.9		**17.2**	
Barium	mg/kg	820	400	400		114		109		100		81.5		48.5		37.5		58.3		43.9		98.9	
Beryllium	mg/kg	47	72	590		0.52		0.52		0.53		0.62		0.4		0.39		0.36		0.34		0.62	
Cadmium	mg/kg	7.5	4.3	9.3		0.74		0.16	J	0.9		0.063	J	0.059	J	0.23	U	0.14	J	0.08	J	0.15	J
Calcium	mg/kg					38200		14400		16200		63300		108000		170000		59200		38800		87100	
Chromium, Total	mg/kg		180	1500		34		14.7		13.7		52.9		10.7		8.7		10.1		9.2		16.1	
Cobalt	mg/kg					6.1		6.2		5		7.2		5.2		3.7		4.7		3.7		4.6	
Copper	mg/kg	1720	270	270		48.6		14.1		39		15.9		9.3		9.3		22.3		20.8		22.1	
Iron	mg/kg					37600		17400	J+	21100	J+	17000		11300		10600		10900		11100		14100	
Lead	mg/kg	**450**	400	1000		439		42.1		290		21.8		14.9		14.6		42.5		27.3		126	
Magnesium	mg/kg					11900		4860		7010		27700		44100		40500		21900		11800		15600	
Manganese	mg/kg	2000	2000	10000		382		529		200		701		462		730		336		324		339	
Nickel	mg/kg	130	310	310		23.4		14		15.1		18.1		12.1		9.6		9.7		8.3		11.9	
Potassium	mg/kg					2210		1720		2430		4400		3350		4240		2460		2200		1870	
Selenium	mg/kg	**4**	180	1500		0.61	J	4.5	U	4.2	U	4.6	U	4.5	U	4.6	U	4.5	U	4.1	U	4.8	U
Silver	mg/kg	8.3	180	1500		0.56	J	0.67	U	0.54	J	0.68	U	0.67	U	0.69	U	0.67	U	0.62	U	0.73	U
Sodium	mg/kg					1340		368		281		258		261		370		445		483		528	
Thallium	mg/kg					7.6	U	6.7	U	6.3	U	6.8	U	6.7	U	6.9	U	6.7	U	6.2	U	7.3	U
Vanadium	mg/kg					26.1		24.3		15		23		13.7		11.3		17		15.2		26	
Zinc	mg/kg	2480	10000	10000		182		55.1		219		49.8		47.9		18.1		48.9		38		74.4	
Chromium, Hexavalent	mg/kg	19	110	400		2.4	U	2.2	U	2.1	U	1.1	J	2.2	U	2.3	U	2.1	U	2.1	U	2.4	U
Mercury	mg/kg	**0.73**	0.81	2.8		**1.3**		0.33		**0.85**		0.0064	J	0.0085	J	0.0071	J	0.097		0.05		**0.84**	
Cyanide	mg/kg	**40**	27	27		1.2		0.94	U	1	U	1.1	U	0.92	U	1.2	UJ	0.99	U	0.98	U	18	
PFAS																							
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.4	U	2.2	U	2.2	U	2.4	U	2.1	U	2.4	U	2.1	U	2.1	U	2.4	U
3-Perfluoropropyl propanoic acid	ug/kg					1.2	U	1.1	U	1.1	U	1.2	U	1	U	1.2	U	1.1	U	1	U	1.2	U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.95	U	0.87	U	0.87	U	0.95	U	0.83	U	0.94	U	0.86	U	0.82	U	0.95	U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.24	U	0.11	J	0.22	U	0.24	U	0.21	U	0.24	U	0.091	J	0.21	U	0.24	U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.47	U	0.44	U	0.43	U	0.48	U	0.42	U	0.47	U	0.43	U	0.41	U	0.47	U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.24	U	0.22	U	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.23	JN
Perfluorobutanoic Acid	ug/kg					0.16	J	0.11	J	0.53	J	0.95	U	0.83	U	0.13	J	0.86	U	0.82	U	0.91	J
Perfluorodecane Sulfonic Acid	ug/kg					0.24	U	0.22	U	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.43	J
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.24	U	0.22	U	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.96	J
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.24	U	0.024	J	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.75	J
Perfluorohexanesulfonic acid (PFH	ug/kg					0.24	U	0.22	U	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.66	J
Perfluorohexanoic acid (PFHxA)	ug/kg					0.24	U	0.22	U	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.092	JN
Perfluorononanoic acid (PFNA)	ug/kg					0.24	U	0.22	U	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.24	U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.24	U	0.22	U	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.24	U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.2	J	0.36		0.92		0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.48	J
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.054	J	0.077	J	0.36	J	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.76	J
Perfluoropentanesulfonic Acid (PF	ug/kg					0.24	U	0.22	U	0.22	U	0.24	U	0.21	U	0.24	U	0.21	U	0.21	U	0.5	J

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-021	PDI-ONSO-022	PDI-ONSO-022	PDI-ONSO-023	PDI-ONSO-023	PDI-ONSO-023	PDI-ONSO-024	PDI-ONSO-024	PDI-ONSO-024
				Start Depth	23-25	19-20	20-21	14-15	17-18	23-24	5-7	7-9	17-19
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-ONSO-021-23-25	PDI-ONSO-022-19-20	PDI-ONSO-022-20-21	PDI-ONSO-023-14-15	PDI-ONSO-023-17-18	PDI-ONSO-023-23-24	PDI-ONSO-024-5-7	PDI-ONSO-024-7-9	PDI-ONSO-024-17-19
				SDG	4802134371	4802132331	4802132331	4802133211	4802133211	4802133211	4802136831	4802136831	4802136831
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	10/4/2023	9/28/2023	9/29/2023	10/2/2023	10/2/2023	10/2/2023	10/12/2023	10/12/2023	10/12/2023
				Sample Type Code	N	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO									
PFAS (Cont'd)													
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.47 U	0.05 J	0.07 J	0.48 U	0.42 U	0.47 U	0.43 U	0.41 U	0.17 J
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.24 U	0.22 U	0.22 U	0.24 U	0.21 U	0.24 U	0.21 U	0.21 U	0.24 U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.24 U	0.22 U	0.22 U	0.24 U	0.21 U	0.24 U	0.21 U	0.21 U	0.24 U

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs
Subpart 375-6, December 2006
[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis,
and Assessment of PFAS, April 2023.
N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;
J = estimated at the value given; J+ = estimated biased high at the value given
Value exceeds the NYCRR Commercial Use SCOs
Value exceeds the NYCRR Protection of Groundwater SCOs
Value exceeds the NYCRR Restricted Residential Use SCOs
Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-025	PDI-ONSO-025	PDI-ONSO-025	PDI-ONSO-025	PDI-ONSO-026	PDI-ONSO-026	PDI-ONSO-026	PDI-ONSO-026	PDI-ONSO-027
					Start Depth	8-9.5	11-13	14-14.5	17-19	4-5	5.5-7	16.5-17	17-18.5	5-7
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-025-8-9.5	PDI-ONSO-025-11-13	PDI-ONSO-025-14-14.5	PDI-ONSO-025-17-19	PDI-ONSO-026-4-5	PDI-ONSO-026-5.5-7	PDI-ONSO-026-16.5-17	PDI-ONSO-026-17-18.5	PDI-ONSO-027-5-7
					SDG	4802134461	4802134461	4802134461	4802134461	4802134371	4802134371	4802134371	4802134371	4802136811
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/4/2023	10/4/2023	10/4/2023	10/4/2023	10/11/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs														
Acetone	ug/kg	**50**	100000	500000		1300 U	8700 U	9900 U	9700 U	280 U	270 U	17 J	28	760 U
Benzene	ug/kg	**60**	4800	44000		250 U	**6600**	**12000**	1900 U	**260**	54 U	1.1 J	0.5 J	150 U
Carbon Disulfide	ug/kg					250 U	1700 U	2000 U	1900 U	56 U	54 U	5.7 J	5.5 U	150 U
Cyclohexane	ug/kg					250 U	1700 U	2000 U	1900 U	94	54 U	6 U	5.5 U	150 U
Ethylbenzene	ug/kg	**1000**	41000	390000		250 U	**13000**	**14000**	**3600**	22 J	54 U	0.42 J	5.5 U	56 J
Isopropylbenzene (Cumene)	ug/kg					250 U	4500 J	4200	640 J	56 U	54 U	6 UJ	5.5 UJ	150 UJ
Methyl Acetate	ug/kg					510 J	8700 U	9900 U	9700 U	280 U	270 U	30 U	27 U	610 J
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		1300 U	8700 U	9900 U	9700 U	280 U	270 U	30 U	2.1 J	760 U
Methylcyclohexane	ug/kg					250 U	2000	3500	1900 U	230	54 U	6 U	5.5 U	150 U
Methylene Chloride	ug/kg	**50**	100000	500000		250 U	1700 U	2000 U	1900 U	56 U	54 U	6 U	5.5 U	150 U
Styrene	ug/kg					250 U	1000 J	2000 U	1900 U	56 U	15 J	0.35 J	5.5 U	150 U
Toluene	ug/kg	**700**	100000	500000		180 J	**940 J**	**2100**	1900 U	250	45 J	1.7 J	0.84 J	120 J
Xylenes	ug/kg	**1600**	100000	500000		220 J	**110000**	**120000**	**18000**	260	92 J	12 U	11 U	170 J
SVOCs														
2,4-Dimethylphenol	ug/kg					1800 U	840 J	1200 J	960 U	1700 U	1700 U	200 U	200 U	2200 U
2-Methylnaphthalene	ug/kg					7800	48000	100000	16000	1700 U	870 J	200 U	200 U	2200 U
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		1800 U	1800 U	1900 U	960 U	1700 U	1700 U	200 U	200 U	2200 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		**340 J**	3400 U	230 J	1900 U	3300 U	3300 U	390 U	390 U	4200 U
Acenaphthene	ug/kg	**98000**	100000	500000		38000	12000	26000	7300	1700 U	1700 U	230	200 U	570 J
Acenaphthylene	ug/kg	**107000**	100000	500000		1900	6000	17000	1800	1700	1200 J	34 J	200 U	1400 J
Acetophenone	ug/kg					1800 U	1800 U	1900 U	960 U	1700 U	1700 U	200 U	200 U	2200 U
Anthracene	ug/kg	1000000	100000	500000		98000	24000	50000	6300	1400 J	4000	60 J	200 U	1500 J
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		**200000**	**19000**	**44000**	**4300**	**5500**	**39000**	120 J	47 J	**7300**
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		**180000**	15000	**38000**	3600	6900	**45000**	100 J	57 J	9300
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		**200000**	**17000**	**45000**	**3300**	**6500**	**50000**	85 J	58 J	**12000**
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		53000	3900	9700	930 J	3700	17000	49 J	34 J	6900
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		**96000**	**8400**	**16000**	1700	**3700**	**20000**	40 J	200 U	**4900**
Benzyl Butyl Phthalate	ug/kg					1800 U	1800 U	1900 U	960 U	1700 U	1700 U	200 U	200 U	2200 U
Biphenyl (Diphenyl)	ug/kg					2100	7600	17000	2300	1700 U	1700 U	200 U	200 U	2200 U
Caprolactam	ug/kg					1800 U	1800 U	1900 U	960 U	1700 U	1700 U	200 U	200 U	2200 U
Carbazole	ug/kg					38000	6700	14000	1800	370 J	460 J	200 U	200 U	350 J
Chrysene	ug/kg	**1000**	3900	56000		**190000**	**15000**	**36000**	**3700**	**5300**	**38000**	130 J	47 J	**7400**
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		17000	1500 J	3500	330 J	1100 J	5400	200 U	200 U	1900 J
Dibenzofuran	ug/kg	210000	59000	350000		20000	18000	42000	3500	280 J	1700 U	200 U	200 U	600 J
Fluoranthene	ug/kg	1000000	100000	500000		410000	55000	110000	12000	9500	29000	200	49 J	11000
Fluorene	ug/kg	386000	100000	500000		40000	23000	52000	7200	420 J	850 J	30 J	200 U	970 J
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		**50000**	4800	**11000**	1000	3800	**19000**	49 J	37 J	6900
Naphthalene	ug/kg	**12000**	100000	500000		**16000**	**190000**	**470000**	**35000**	430 J	1000 J	33 J	59 J	1900 J
N-Nitrosodiphenylamine	ug/kg					1800 U	1800 U	1900 U	960 U	1700 U	1700 U	200 U	200 U	2200 U
Phenanthrene	ug/kg	1000000	100000	500000		290000	82000	190000	23000	4300	4500	200 U	200 U	5200
Phenol	ug/kg	**330**	100000	500000		1800 U	1800 U	1900 U	960 U	1700 U	1700 U	200 U	200 U	2200 U
Pyrene	ug/kg	1000000	100000	500000		330000	35000	95000	9000	7300	34000	310	77 J	8900
Total SVOCs	ug/kg					2278140	592740	1387630	144060	62200	309280	1470	465	88990

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-025	PDI-ONSO-025	PDI-ONSO-025	PDI-ONSO-025	PDI-ONSO-026	PDI-ONSO-026	PDI-ONSO-026	PDI-ONSO-026	PDI-ONSO-027
					Start Depth	8-9.5	11-13	14-14.5	17-19	4-5	5.5-7	16.5-17	17-18.5	5-7
					Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-025-8-9.5	PDI-ONSO-025-11-13	PDI-ONSO-025-14-14.5	PDI-ONSO-025-17-19	PDI-ONSO-026-4-5	PDI-ONSO-026-5.5-7	PDI-ONSO-026-16.5-17	PDI-ONSO-026-17-18.5	PDI-ONSO-027-5-7
					SDG	4802134461	4802134461	4802134461	4802134461	4802134371	4802134371	4802134371	4802134371	4802136811
					Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/4/2023	10/4/2023	10/4/2023	10/4/2023	10/11/2023
					Sample Type Code	N	N	N	N	N	N	N	N	N
Metals														
Chromium III	mg/kg		180	1500		34.4	9.5	9.8	7.7	10.6	2	9.7	11.1	10.8
Aluminum	mg/kg					11500	9160	7750	7410	7040	1870	10100	11300	8170
Antimony	mg/kg					0.57 J	16.7 U	16.1 U	17.3 U	15 U	14.5 U	18.6 U	17.1 U	4.3 J
Arsenic	mg/kg	**16**	16	16		12.6	6.3	6.6	4.5	6.5	3.4	6.5	10.9	165
Barium	mg/kg	820	400	400		256	42	48.2	43	131	17.2	30.4	30.5	49.9
Beryllium	mg/kg	47	72	590		0.5	0.49	0.41	0.36	0.33	0.08 J	0.54	0.56	0.35
Cadmium	mg/kg	7.5	4.3	9.3		0.33	0.1 J	0.078 J	0.1 J	0.56	0.072 J	0.042 J	0.23 U	0.1 J
Calcium	mg/kg					73800	84800	80800	47200	78000	196000	198000	151000	75800
Chromium, Total	mg/kg		180	1500		34.4	9.5	9.8	7.7	10.6	2	9.7	11.1	10.8
Cobalt	mg/kg					5.1	3.3	4.3	5.1	4.4	0.33 J	4.2	6.5	5.6
Copper	mg/kg	1720	270	270		49.4	12.6	13	11.5	22.8	1.2 J	11.3	29.7	17.1
Iron	mg/kg					23800	11200	12300	11700	11700	1970	10900	15600	12800
Lead	mg/kg	**450**	400	1000		130	13.4	16.8	10.5	185	5.5	17.3	23.2	81
Magnesium	mg/kg					17500	24400	30300	35600	11500	24900	22200	20400	34000
Manganese	mg/kg	2000	2000	10000		398	622	563	543	348	193	468	369	386
Nickel	mg/kg	130	310	310		17.5	10	11.1	10.2	11.5	1.6 J	10.4	16.2	12.3
Potassium	mg/kg					2790	3870	3130	3270	1840	272	5390	5900	2140
Selenium	mg/kg	**4**	180	1500		4.3 U	0.62 J	4.3 U	4.6 U	4 U	3.9 U	5 U	4.6 U	2.2 J
Silver	mg/kg	8.3	180	1500		0.64 U	0.67 U	0.64 U	0.69 U	0.6 U	0.58 U	0.75 U	0.68 U	0.78 U
Sodium	mg/kg					899	185	239	351	253	166	191	262	248
Thallium	mg/kg					6.4 U	6.7 U	6.4 U	6.9 U	6 U	0.31 J	7.5 U	6.8 U	7.8 U
Vanadium	mg/kg					21.3	13.8	14	10.9	17.6	2.6	11.4	12.5	15.6
Zinc	mg/kg	2480	10000	10000		135	50.3	36.4	40.2	162	62.6	85.3	14.1	75.6
Chromium, Hexavalent	mg/kg	19	110	400		2.1 U	2.1 U	2.2 U	2.2 U	2 U	2 U	2.3 U	2.4 U	2.5 U
Mercury	mg/kg	**0.73**	0.81	2.8		**1.3**	0.19	**1**	0.012 J	0.49	0.097	0.0092 J	0.023 U	0.5 J
Cyanide	mg/kg	**40**	27	27		0.74 J	0.68 J	0.9 J	0.54 J	0.94 U	12.9	1.1 U	1.1 U	31.9
PFAS														
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.1 U	2 U	2.1 U	2.3 U	2 U	2 U	2.3 U	2.4 U	2.6 U
3-Perfluoropropyl propanoic acid	ug/kg					1.1 U	1 U	1.1 U	1.2 U	1 U	1 U	1.1 U	1.2 U	1.3 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.86 U	0.82 U	0.85 U	0.92 U	0.8 U	0.81 U	0.91 U	0.96 U	1 U
N-ethyl perfluorooctanesulfonamid	ug/kg					0.21 U	0.2 U	0.21 U	0.23 U	0.2 U	0.2 U	0.23 U	0.24 U	0.26 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.43 U	0.41 U	0.43 U	0.46 U	0.4 U	0.41 U	0.45 U	0.48 U	0.52 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.21 U	0.2 U	0.21 U	0.23 U	0.2 U	0.2 U	0.23 U	0.24 U	0.26 U
Perfluorobutanoic Acid	ug/kg					0.43 J	0.9	1.1	0.045 J	0.16 J	0.21 J	0.91 U	0.96 U	1 U
Perfluorodecane Sulfonic Acid	ug/kg					0.21 U	0.13 JN	0.04 JN	0.23 U	0.2 U	0.2 U	0.23 U	0.24 U	0.26 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.21 U	0.2 U	0.21 U	0.23 U	0.2 U	0.2 U	0.23 U	0.24 U	0.22 JN
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.21 U	0.2 U	0.21 U	0.23 U	0.048 J	0.2 U	0.23 U	0.24 U	0.26 U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.21 U	0.022 JN	0.21 U	0.037 JN	0.2 U	0.2 U	0.23 U	0.24 U	0.26 U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.21 U	0.2 U	0.21 U	0.23 U	0.2 U	0.2 U	0.23 U	0.24 U	0.26 U
Perfluorononanoic acid (PFNA)	ug/kg					0.21 U	0.2 U	0.21 U	0.23 U	0.027 J	0.2 U	0.23 U	0.24 U	0.26 U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.21 U	0.2 U	0.21 U	0.23 U	0.2 U	0.2 U	0.23 U	0.24 U	0.26 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.19 JN	0.2 U	0.21 U	0.23 U	0.36	0.2 U	0.23 U	0.24 U	0.15 J
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.21 J	0.051 JN	0.046 JN	0.23 U	0.11 J	0.18 JN	0.23 U	0.24 U	0.092 JN
Perfluoropentanesulfonic Acid (PF	ug/kg					0.21 U	0.11 JN	0.21 U	0.23 U	0.2 U	0.2 U	0.23 U	0.24 U	0.26 U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-026		PDI-ONSO-026		PDI-ONSO-026		PDI-ONSO-026		PDI-ONSO-027	
				Start Depth	8-9.5		11-13		14-14.5		17-19		4-5		5.5-7		16.5-17		17-18.5		5-7	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-025-8-9.5		PDI-ONSO-025-11-13		PDI-ONSO-025-14-14.5		PDI-ONSO-025-17-19		PDI-ONSO-026-4-5		PDI-ONSO-026-5.5-7		PDI-ONSO-026-16.5-17		PDI-ONSO-026-17-18.5		PDI-ONSO-027-5-7	
				SDG	4802134461		4802134461		4802134461		4802134461		4802134371		4802134371		4802134371		4802134371		4802136811	
				Matrix	SO		SO		SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/5/2023		10/5/2023		10/5/2023		10/5/2023		10/4/2023		10/4/2023		10/4/2023		10/4/2023		10/11/2023	
				Sample Type Code	N		N		N		N		N		N		N		N		N	
PFAS (Cont'd)																						
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.025	J	0.066	JN	0.22	JN	0.46	U	0.042	JN	0.41	U	0.45	U	0.48	U	0.048	J
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.21	U	0.2	U	0.21	U	0.23	U	0.2	U	0.2	U	0.23	U	0.24	U	0.26	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.21	U	0.2	U	0.21	U	0.23	U	0.2	U	0.2	U	0.23	U	0.24	U	0.26	U

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs
Subpart 375-6, December 2006
[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis,
and Assessment of PFAS, April 2023.
N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;
J = estimated at the value given; J+ = estimated biased high at the value given
Value exceeds the NYCRR Commercial Use SCOs
Value exceeds the NYCRR Protection of Groundwater SCOs
Value exceeds the NYCRR Restricted Residential Use SCOs
Total SVOC criteria 500,000 ppb

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-027	PDI-ONSO-027	PDI-ONSO-028	PDI-ONSO-028	PDI-ONSO-028	PDI-ONSO-028	PDI-ONSO-028
					Start Depth	11-13	18-20	5-7	11-13	15-17	15-17	21-24
					Depth Unit	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-027-11-13	PDI-ONSO-027-18-20	PDI-ONSO-028-5-7	PDI-ONSO-028-11-13	PDI-ONSO-028-15-17	PDI-ONSO-028-DUP	PDI-ONSO-028-21-24
					SDG	4802136811	4802136811	4802134461	4802134461	4802134461	4802134461	4802134461
					Matrix	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/11/2023	10/11/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023
					Sample Type Code	N	N	N	N	N	FD	N
VOCs												
Acetone	ug/kg	**50**	100000	500000		5100 U	9900 U	1900 U	9300 U	12000 U	10000 U	1000 U
Benzene	ug/kg	**60**	4800	44000		1000 U	2000 U	**4800**	1900 U	2400 U	2100 U	210 U
Carbon Disulfide	ug/kg					1000 U	2000 U	390 U	1900 U	2400 U	2100 U	210 U
Cyclohexane	ug/kg					1000 U	2000 U	390 U	1900 U	2400 U	2100 U	210 U
Ethylbenzene	ug/kg	**1000**	41000	390000		**4300**	**3200**	360 J	1900 U	**2000** J	**2900**	210 U
Isopropylbenzene (Cumene)	ug/kg					740 J	590 J	390 U	8100 J	2900	4100	210 U
Methyl Acetate	ug/kg					5100 U	9900 U	1900 U	9300 U	12000 U	10000 U	1000 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	100000	500000		5100 U	9900 U	1900 U	9300 U	12000 U	10000 U	1000 U
Methylcyclohexane	ug/kg					740 J	2000 U	390 U	12000	2400 U	2100 U	210 U
Methylene Chloride	ug/kg	**50**	100000	500000		1000 U	2000 U	390 U	**660** J	2400 U	2100 U	210 U
Styrene	ug/kg					1000 U	2000 U	380 J	1900 U	2400 U	2100 U	210 U
Toluene	ug/kg	**700**	100000	500000		**2300**	2000 U	**2000**	1900 U	2400 U	2100 U	210 U
Xylenes	ug/kg	**1600**	100000	500000		**71000**	**33000**	1400	**1900** J	1300 J	1200 J	420 U
SVOCs												
2,4-Dimethylphenol	ug/kg					1900 U	950 U	2000 U	3900 U	1000 U	1000 U	190 U
2-Methylnaphthalene	ug/kg					86000	12000	1300 J	23000	1100	1100	53 J
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000		1900 U	950 U	2000 U	3900 U	1000 U	1000 U	190 U
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000		3600 U	1800 U	3900 U	7500 U	2000 U	2000 U	380 U
Acenaphthene	ug/kg	**98000**	100000	500000		5200	2300	830 J	30000	7400	7300	350
Acenaphthylene	ug/kg	**107000**	100000	500000		9800	2700	7500	3600 J	760 J	810 J	190 U
Acetophenone	ug/kg					1900 U	950 U	300 J	3900 U	1000 U	1000 U	190 U
Anthracene	ug/kg	1000000	100000	500000		15000	6700	6800	17000	4100	4500	190 U
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600		**3100**	**1900**	**18000**	**11000**	**2800**	**2900**	190 U
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000		2600	1700	20000	11000	3100	3400	190 U
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600		**2300**	1200	**27000**	**6900** J	**2100**	**2300**	190 U
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	500000		1300 J	780 J	8000	4900 J	1000	1200	190 U
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000		1300 J	630 J	**15000**	**3100** J	930 J	1000	190 U
Benzyl Butyl Phthalate	ug/kg					16000	950 U	2000 U	3900 U	1000 U	1000 U	190 U
Biphenyl (Diphenyl)	ug/kg					13000	4700	380 J	3900 U	1000 U	1000 U	190 U
Caprolactam	ug/kg					1900 U	950 U	2000 U	3900 U	1000 U	1000 U	190 U
Carbazole	ug/kg					660 J	200 J	1100 J	3900 U	1000 U	1000 U	190 U
Chrysene	ug/kg	**1000**	3900	56000		**2800**	**1600**	**21000**	**9000**	**2500**	**2500**	190 U
Dibenz(A,H)Anthracene	ug/kg	1000000	330	560		440 J	220 J	2600	1100 J	250 J	260 J	190 U
Dibenzofuran	ug/kg	210000	59000	350000		19000	5900	1600 J	3800 J	810 J	840 J	27 J
Fluoranthene	ug/kg	1000000	100000	500000		15000	6700	35000	22000	6500	6800	53 J
Fluorene	ug/kg	386000	100000	500000		24000	9600	2800	18000	3600	3600	33 J
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600		1300 J	670 J	**8400**	3700 J	860 J	930 J	190 U
Naphthalene	ug/kg	**12000**	100000	500000		**1100000**	**280000**	3400	3900	**23000**	**27000**	140 J
N-Nitrosodiphenylamine	ug/kg					1900 U	950 U	2000 U	5900	1000 U	1000 U	190 U
Phenanthrene	ug/kg	1000000	100000	500000		51000	23000	20000	54000	14000	14000	69 J
Phenol	ug/kg	**330**	100000	500000		1900 U	950 U	2000 U	3900 U	1000 U	1000 U	190 U
Pyrene	ug/kg	1000000	100000	500000		11000	6800	27000	29000	6800	6900	52 J
Total SVOCs	ug/kg					1380800	369300	228010	260900	81610	87340	777

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO	Location ID	PDI-ONSO-027	PDI-ONSO-027	PDI-ONSO-028	PDI-ONSO-028	PDI-ONSO-028	PDI-ONSO-028	PDI-ONSO-028
					Start Depth	11-13	18-20	5-7	11-13	15-17	15-17	21-24
					Depth Unit	ft	ft	ft	ft	ft	ft	ft
					Sample ID	PDI-ONSO-027-11-13	PDI-ONSO-027-18-20	PDI-ONSO-028-5-7	PDI-ONSO-028-11-13	PDI-ONSO-028-15-17	PDI-ONSO-028-DUP	PDI-ONSO-028-21-24
					SDG	4802136811	4802136811	4802134461	4802134461	4802134461	4802134461	4802134461
					Matrix	SO	SO	SO	SO	SO	SO	SO
					Sample Date	10/11/2023	10/11/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023	10/5/2023
					Sample Type Code	N	N	N	N	N	FD	N
Metals												
Chromium III	mg/kg		180	1500		7.5	15.1	11.8	9.6	10.6	11.6	8.6
Aluminum	mg/kg					6360	5480	6480	7870 J	8730	9900	7430
Antimony	mg/kg					1.3 J	0.96 J	0.83 J	16.8 U	18.2 U	19 U	17.2 U
Arsenic	mg/kg	**16**	16	16		8.7	**20.2**	**20.6**	7.2	6.7	8.2	**19.4**
Barium	mg/kg	820	400	400		32.9	29.2	40.1	24.1 J	56.4	51.6	42.4
Beryllium	mg/kg	47	72	590		0.34	0.29	0.26	0.39	0.49	0.53	0.44
Cadmium	mg/kg	7.5	4.3	9.3		0.12 J	0.23 U	0.061 J	0.086 J	0.059 J	0.082 J	0.12 J
Calcium	mg/kg					87500	144000	66700	1240	1660	1390	112000
Chromium, Total	mg/kg		180	1500		7.5	15.1	11.8	9.6 J	10.6	11.6	8.6
Cobalt	mg/kg					4.7	3.7	1.7	5.6	5.4	6.4	4.7
Copper	mg/kg	1720	270	270		11.6	9	19.7	11.5	14.2	14.8	11.6
Iron	mg/kg					10100	9580	23100	15600	17000	18500	12700
Lead	mg/kg	**450**	400	1000		12.8	23.6	170	10.4	14	19.1	15.8
Magnesium	mg/kg					17200	49700	20100	2120	2940	3130	31300
Manganese	mg/kg	2000	2000	10000		454	424	210	125	125	115	602
Nickel	mg/kg	130	310	310		10	8.3	3.4 J	14.5	16	17.6	11.6
Potassium	mg/kg					2520	2560	2290	1440 J	1670	2190	3830
Selenium	mg/kg	**4**	180	1500		1.5 J	1.3 J	4.8 U	4.5 U	4.9 U	5.1 U	4.6 U
Silver	mg/kg	8.3	180	1500		0.69 U	0.7 U	0.72 U	0.67 U	0.73 U	0.76 U	0.69 U
Sodium	mg/kg					117 J	191	644	228	209	244	866
Thallium	mg/kg					6.9 U	7 U	7.2 U	6.7 U	7.3 U	7.6 U	6.9 U
Vanadium	mg/kg					10	9.1	17.5	14.7	16.9	20.6	10.3
Zinc	mg/kg	2480	10000	10000		53	27.6	35.7	36.6	51.5	56.6	53.4
Chromium, Hexavalent	mg/kg	19	110	400		2.2 U	2.3 U	2.3 U	2.3 UJ	2.4 U	2.4 U	2.3 U
Mercury	mg/kg	**0.73**	0.81	2.8		0.011 J	0.04	0.45	0.013 J	0.015 J	0.016 J	0.006 J
Cyanide	mg/kg	**40**	27	27		2.6	0.62 J	**171**	0.53 J	4	2.3	2.6
PFAS												
2-(N-methyl perfluoro-1-octanesulf	ug/kg					2.1 U	2.3 UJ	2.3 U	2.2 U	2.3 UJ	5.3 U	2.1 U
3-Perfluoropropyl propanoic acid	ug/kg					1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	2.6 U	1.1 U
4,8-Dioxa-3H-perfluorononanoic a	ug/kg					0.84 U	0.094 J	0.91 U	0.87 U	0.91 U	2.1 U	0.86 U
N-ethyl perfluorooctanesulfonamic	ug/kg					0.21 U	0.23 U	0.23 U	0.22 U	0.23 U	0.53 U	0.21 U
Perfluoro-3-methoxypropanoic acid	ug/kg					0.42 U	0.15 J	0.46 U	0.44 U	0.46 U	1.1 U	0.43 U
Perfluorobutanesulfonic acid (PFB	ug/kg					0.21 U	0.23 U	0.23 U	0.22 U	0.23 U	0.53 U	0.21 U
Perfluorobutanoic Acid	ug/kg					0.84 U	0.9 U	0.97	0.87 U	0.91 U	2.1 U	0.86 U
Perfluorodecane Sulfonic Acid	ug/kg					0.21 U	0.23 U	0.23 U	0.053 JN	0.23 U	0.53 U	0.21 U
Perfluoroheptane Sulfonate (PFHP	ug/kg					0.21 U	0.23 U	0.23 U	0.22 U	0.23 U	0.53 U	0.21 U
Perfluoroheptanoic acid (PFHpA)	ug/kg					0.21 U	0.23 U	0.23 U	0.22 U	0.23 U	0.53 U	0.21 U
Perfluorohexanesulfonic acid (PFH	ug/kg					0.21 U	0.23 U	0.23 U	0.13 JN	0.047 JN	0.53 U	0.21 U
Perfluorohexanoic acid (PFHxA)	ug/kg					0.027 JN	0.23 U	0.14 JN	0.22 U	0.23 U	0.53 U	0.21 U
Perfluorononanoic acid (PFNA)	ug/kg					0.21 U	0.23 U	0.23 U	0.22 U	0.23 U	0.53 U	0.21 U
Perfluorooctane Sulfonamide (FOS	ug/kg					0.21 U	0.23 U	0.23 U	0.22 U	0.23 U	0.53 U	0.21 U
Perfluorooctanesulfonic acid (PFO	ug/kg	1.0	44	440		0.21 U	0.23 U	0.071 J	0.22 U	0.23 U	0.53 U	0.21 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	33	500		0.21 U	0.23 U	0.23 J	0.22 U	0.23 U	0.53 U	0.21 U
Perfluoropentanesulfonic Acid (PF	ug/kg					0.21 U	0.23 U	0.57 J	0.22 U	0.23 U	0.53 U	0.21 U

Table 5A
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Onsite Soils

				Location ID	PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-028		PDI-ONSO-028		PDI-ONSO-028		PDI-ONSO-028		PDI-ONSO-028	
				Start Depth	11-13		18-20		5-7		11-13		15-17		15-17		21-24	
				Depth Unit	ft		ft		ft		ft		ft		ft		ft	
				Sample ID	PDI-ONSO-027-11-13		PDI-ONSO-027-18-20		PDI-ONSO-028-5-7		PDI-ONSO-028-11-13		PDI-ONSO-028-15-17		PDI-ONSO-028-DUP		PDI-ONSO-028-21-24	
				SDG	4802136811		4802136811		4802134461		4802134461		4802134461		4802134461		4802134461	
				Matrix	SO		SO		SO		SO		SO		SO		SO	
				Sample Date	10/11/2023		10/11/2023		10/5/2023		10/5/2023		10/5/2023		10/5/2023		10/5/2023	
				Sample Type Code	N		N		N		N		N		FD		N	
Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO														
PFAS (Cont'd)																		
Perfluoropentanoic Acid (PFPeA)	ug/kg				0.42	U	0.45	U	0.24	JN	0.44	U	0.46	U	1.1	U	0.43	U
Perfluorotridecanoic Acid (PFTriA)	ug/kg				0.21	U	0.23	U	0.23	U	0.22	U	0.23	U	0.53	U	0.21	U
Perfluoroundecanoic Acid (PFUnA)	ug/kg				0.21	U	0.23	U	0.23	U	0.22	U	0.23	U	0.53	U	0.21	U

Notes:
[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006
[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.
N = normal sample; FD = field duplicate; SO = soil
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;
J = estimated at the value given; J+ = estimated biased high at the value given
Value exceeds the NYCRR Commercial Use SCOs
Value exceeds the NYCRR Protection of Groundwater SCOs
Value exceeds the NYCRR Restricted Residential Use SCOs
Total SVOC criteria 500,000 ppb

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-EW-3	PDI-EW-3	PDI-EW-3	PDI-EW-3	PDI-OFFSO-001	PDI-OFFSO-001	PDI-OFFSO-001	PDI-OFFSO-002	PDI-OFFSO-002
				Start Depth	9-10.5	10.5-11	15-17	25-26.7	11-13	17-19	27-28.3	17-19	21-23
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-EW-3-9-10.5	PDI-EW-3-10.5-11	PDI-EW-3-15-17	PDI-EW-3-25-26.7	PDI-OFFSO-001-11-13	PDI-OFFSO-001-17-19	PDI-OFFSO-001-27-28.3	PDI-OFFSO-002-17-19	PDI-OFFSO-002-21-23
				SDG	4802150071	4802150071	4802150071	4802150071	4802147781	4802147781	4802147781	4802147201	4802147201
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/10/2023	11/10/2023	11/10/2023	11/9/2023	11/9/2023
				Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs													
1,1,2,2-Tetrachloroethane	ug/kg			4 U	3.8 U	55 UJ	4.4 U	3.8 U	190 U	4.8 U	150 U	240 U
Acetone	ug/kg	**50**	50	20 U	35	270 U	13 J	5.8 J	940 U	16 J	750 U	1200 U
Benzene	ug/kg	**60**	60	4 U	3.8 U	55 U	41	3.8 U	190 U	4.8 U	150 U	240 U
Carbon Disulfide	ug/kg			4 U	3.8 U	55 U	4.4 U	3.8 U	190 UJ	3.9 J	150 UJ	240 UJ
Chlorobenzene	ug/kg	1100	1100	4 U	3.8 U	55 U	4.4 U	3.8 U	190 U	4.8 U	150 U	240 U
Cyclohexane	ug/kg			4 U	3.8 U	55 U	4.4 U	3.8 U	190 U	4.8 U	150 U	240 U
Ethylbenzene	ug/kg	1000	1000	4 U	3.8 U	55 U	33	3.8 U	190 U	4.8 U	150 U	240 U
Isopropylbenzene (Cumene)	ug/kg			4 U	3.8 U	31 J	4.7	3.8 U	110 J	4.8 U	150 U	240 U
Methyl Acetate	ug/kg			20 U	19 U	73 J	22 U	19 U	940 U	24 U	750 U	1200 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	20 U	7.8 J	270 U	22 U	19 U	940 U	2.1 J	750 U	1200 U
Methylcyclohexane	ug/kg			4 U	3.8 U	55 U	4.4 U	3.8 U	190 U	4.8 U	150 U	240 U
Methylene Chloride	ug/kg	**50**	50	4 U	3.8 U	55 U	4.4 U	3.8 U	190 U	4.8 U	150 U	240 U
Styrene	ug/kg			4 U	3.8 U	55 U	4.4 U	3.8 U	190 U	4.8 U	150 U	240 U
Toluene	ug/kg	700	700	4 U	3.8 U	55 U	0.39 J	3.8 U	190 U	4.8 U	150 U	240 U
Xylenes	ug/kg	1600	260	7.9 U	7.6 U	110 U	2.1 J	7.6 U	380 U	9.6 U	300 U	480 U
SVOCs													
2,4-Dinitrotoluene	ug/kg			190 U	200 U	200 U	210 U	960 U	190 U	1200 U	230 U	220 U
2-Methylnaphthalene	ug/kg			190 U	200 U	200 U	210 U	960 U	140 J	1200 U	230 U	220 U
2-Methylphenol (O-Cresol)	ug/kg	330	330	190 U	200 U	200 U	210 U	960 U	190 U	1200 U	230 U	220 U
Acenaphthene	ug/kg	98000	20000	190 U	200 U	240	210 U	960 U	52 J	1200 U	230 U	220 U
Acenaphthylene	ug/kg	107000	100000	190 U	200 U	200 U	210 U	250 J	190 U	1200 U	230 U	220 U
Benzo(A)Anthracene	ug/kg	**1000**	1000	190 U	200 U	200 U	210 U	**2100**	190 U	580 J	230 U	470
Benzo(A)Pyrene	ug/kg	22000	1000	190 U	200 U	200 U	210 U	2800	190 U	420 J	230 U	370
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	190 U	200 U	200 U	210 U	**2700**	190 U	260 J	230 U	190 J
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	190 U	200 U	200 U	210 U	1900	190 U	180 J	230 U	180 J
Benzo(K)Fluoranthene	ug/kg	**1700**	800	190 U	200 U	200 U	210 U	1600	190 U	1200 U	230 U	150 J
Benzyl Butyl Phthalate	ug/kg			190 U	200 U	200 U	210 U	960 U	190 U	1200 U	230 U	220 U
Biphenyl (Diphenyl)	ug/kg			190 U	200 U	200 U	210 U	960 U	190 U	1200 U	230 U	220 U
Caprolactam	ug/kg			190 U	200 U	200 U	210 U	960 U	190 U	1200 U	230 U	220 U
Carbazole	ug/kg			190 U	200 U	35 J	210 U	110 J	190 U	1200 U	230 U	220 U
Chrysene	ug/kg	**1000**	1000	190 U	200 U	200 U	210 U	**2000**	190 U	550 J	230 U	470
Dibenz(A,H)Anthracene	ug/kg	1000000	330	190 U	200 U	200 U	210 U	490 J	190 U	1200 U	230 U	220 U
Dibenzofuran	ug/kg	210000	7000	190 U	200 U	28 J	210 U	960 U	190 U	1200 U	230 U	220 U
Di-N-Butyl Phthalate	ug/kg			190 U	200 U	200 U	210 U	960 U	220	1200 U	230 U	220 U
Fluoranthene	ug/kg	1000000	100000	190 U	200 U	48 J	210 U	3500	29 J	1500	230 U	580
Fluorene	ug/kg	386000	30000	190 U	200 U	190 J	210 U	180 J	26 J	1200 U	230 U	220 U
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	190 U	200 U	200 U	210 U	1800	190 U	1200 U	230 U	110 J
Naphthalene	ug/kg	**12000**	12000	190 U	200 U	200 U	210 U	960 U	140 J	1200 U	230 U	220 U
Phenanthrene	ug/kg	1000000	100000	190 U	200 U	66 J	210 U	1600	68 J	1200 U	230 U	220 U
Pyrene	ug/kg	1000000	100000	190 U	200 U	52 J	210 U	3000	38 J	2600	230 U	1200
Total SVOCs	ug/kg			0	0	1009	90	24530	713	6090	0	3720

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-EW-3	PDI-EW-3	PDI-EW-3	PDI-EW-3	PDI-OFFSO-001	PDI-OFFSO-001	PDI-OFFSO-001	PDI-OFFSO-002	PDI-OFFSO-002
				Start Depth	9-10.5	10.5-11	15-17	25-26.7	11-13	17-19	27-28.3	17-19	21-23
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-EW-3-9-10.5	PDI-EW-3-10.5-11	PDI-EW-3-15-17	PDI-EW-3-25-26.7	PDI-OFFSO-001-11-13	PDI-OFFSO-001-17-19	PDI-OFFSO-001-27-28.3	PDI-OFFSO-002-17-19	PDI-OFFSO-002-21-23
				SDG	4802150071	4802150071	4802150071	4802150071	4802147781	4802147781	4802147781	4802147201	4802147201
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/10/2023	11/10/2023	11/10/2023	11/9/2023	11/9/2023
				Sample Type Code	N	N	N	N	N	N	N	N	N
Metals													
Chromium III	mg/kg		30		4.7	11.1	10	13.1	7.5	12.4	11.4	17.4	14.4
Aluminum	mg/kg				3210	8800	6960	12900	5360	10600	8030	14700	10600
Antimony	mg/kg				16.5 U	18.2 U	18 U	19.8 U	1.9 J	1.8 J	2.4 J	2.3 J	3 J
Arsenic	mg/kg	**16**	13		1.9 J	6.1	9.8	**21.8**	5.2	6.1	7.1	5.3	4.3
Barium	mg/kg	820	350		27.7	33	33.6	57.2	44.2	70.6	25.1	68.7	36
Beryllium	mg/kg	47	7.2		0.12 J	0.42	0.36	0.8	0.26	0.62	0.44	0.89	0.63
Cadmium	mg/kg	**7.5**	2.5		0.22 U	0.24 U	0.24 U	0.26 U	0.22 U	0.27	0.26 U	0.32	0.16 J
Calcium	mg/kg				24700	2290	1250	109000	36800	5420	21600	17200	10300
Chromium, Total	mg/kg		30		4.7	11.1	10	13.1	7.5	12.4	11.4	17.4	14.4
Cobalt	mg/kg				2.3	7	6.2	12.8	3.9	5.5	7	8.1	7.1
Copper	mg/kg	**1720**	50		7.3	12.5	10.8	40.9	72.1	12.4	14.1	11.6	12
Iron	mg/kg				6820	15000	15800	19700	12500	14200	17200	17500	16800
Lead	mg/kg	**450**	63		17.3	53.2	44.1	62.3	81.4	37.2	47.2	29.2	23.7
Magnesium	mg/kg				6580	2670	2220	12600	12200	2960	13800	9980	6890
Manganese	mg/kg	2000	1600		211	185	188	727	277	1120	274	704	260
Nickel	mg/kg	**130**	30		4.9 J	16.2	15.3	30.6	10.9	13.8	21.4	18.9	17.4
Potassium	mg/kg				914	1640	1200	5000	1450	2680	2260	5700	4110
Selenium	mg/kg	4	3.9		4.4 U	4.8 U	4.8 U	5.3 U	2.3 J	0.73 J	0.67 J	5.7 U	0.59 J
Silver	mg/kg	**8.3**	2		0.66 U	0.73 U	0.72 U	0.79 U	0.66 U	0.66 U	0.79 U	0.86 U	0.81 U
Sodium	mg/kg				327	343	728	932	163	204	380	146 J	127 J
Thallium	mg/kg				6.6 U	7.3 U	7.2 U	7.9 U	6.6 U	6.6 U	7.9 U	8.6 U	8.1 U
Vanadium	mg/kg				9.9	17.1	16.1	19.3	13.3	17.9	18.1	22.7	25.1
Zinc	mg/kg	**2480**	109		16.1	46.7	40.1	64.2	31.7	37.2	58.9	36.9	31.3
Mercury	mg/kg	**0.73**	0.18		0.085	0.075	0.022	0.01 J	0.073	0.064	0.012 J	0.047	0.02 J
Cyanide	mg/kg	40	27		1 U	0.55 J	1.1 U	4.6 J	1.1 U	1.1 U	1.3 U	1.3 U	1.2 U
PFAS													
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.2 U	2.4 U	2.2 U	2.5 U	2.3 U	2.3 U	2.7 U	2.7 U	2.7 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.2 U	2.4 U	2.2 U	2.5 U	2.3 U	2.3 U	2.7 U	2.7 U	2.7 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg				0.22 U	0.24 U	0.22 U	0.25 U	0.23 U	0.23 U	0.27 U	0.27 U	0.27 U
Perfluorobutanoic Acid	ug/kg				0.89 U	0.97 U	0.9 U	1 U	0.91 U	0.91 U	1.1 U	1.1 U	1.1 U
Perfluoroheptanoic acid (PFHpA)	ug/kg				0.22 U	0.24 U	0.22 U	0.25 U	0.23 U	0.23 U	0.27 U	0.27 U	0.27 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg				0.22 U	0.24 U	0.22 U	0.25 U	0.23 U	0.23 U	0.27 U	0.27 U	0.27 U
Perfluorohexanoic acid (PFHxA)	ug/kg				0.22 U	0.24 U	0.22 U	0.25 U	0.23 U	0.23 U	0.27 U	0.27 U	0.27 U
Perfluorononanoic acid (PFNA)	ug/kg				0.22 U	0.24 U	0.22 U	0.25 U	0.23 U	0.23 U	0.27 U	0.27 U	0.27 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg				0.22 U	0.24 U	0.22 U	0.25 U	0.23 U	0.23 U	0.27 U	0.27 U	0.27 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	1.0	0.88		0.22 U	0.24 U	0.22 U	0.25 U	0.23 U	0.23 U	0.27 U	0.27 U	0.27 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	0.66		0.22 U	0.24 U	0.22 U	0.25 U	0.23 U	0.23 U	0.27 U	0.27 U	0.27 U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Unrestricted Use SCOs

Total SVOC criteria 500,000 ppb

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-002	PDI-OFFSO-003	PDI-OFFSO-003	PDI-OFFSO-003	PDI-OFFSO-004	PDI-OFFSO-004	PDI-OFFSO-004	PDI-OFFSO-004	PDI-OFFSO-004
				Start Depth	25-26.6	13-15	19-21	27-27.8	13-15	13-15	25-26	31-33	33-34.8
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-002-25-26.6	PDI-OFFSO-003-13-15	PDI-OFFSO-003-19-21	PDI-OFFSO-003-27-27.8	PDI-OFFSO-004-13-15	DI-OFFSO-004-13-15-DU	PDI-OFFSO-004-25-26	PDI-OFFSO-004-31-33	PDI-OFFSO-004-33-34.8
				SDG	4802147201	4802147201	4802147201	4802147201	4802146651	4802146651	4802146651	4802146651	4802146651
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/9/2023	11/9/2023	11/9/2023	11/9/2023	11/7/2023	11/7/2023	11/7/2023	11/7/2023	11/7/2023
				Sample Type Code	N	N	N	N	N	FD	N	N	N
VOCs													
1,1,2,2-Tetrachloroethane	ug/kg			4.4 U	4.3 U	260 U	5.2 U	4.8 U	4.8 U	5.4 U	3.5 U	3.5 U
Acetone	ug/kg	**50**	50	6.8 J	10 J	1300 U	13 J	**140**	**150**	32	21	14 J
Benzene	ug/kg	**60**	60	4.4 U	1.4 J	260 U	1.6 J	4.8 U	4.8 U	0.59 J	0.56 J	0.8 J
Carbon Disulfide	ug/kg			4.4 U	4.3 U	260 UJ	5.2 U	4.8 U	4.8 U	5.4 U	3.5 U	3.5 U
Chlorobenzene	ug/kg	1100	1100	4.4 U	4.3 U	260 U	5.2 U	4.8 U	4.8 U	5.4 U	3.5 U	3.5 U
Cyclohexane	ug/kg			4.4 U	4.3 U	260 U	5.2 U	4.8 U	4.8 U	5.4 U	3.5 U	3.5 U
Ethylbenzene	ug/kg	1000	1000	4.4 U	4.3 U	260 U	0.76 J	4.8 U	4.8 U	5.4 U	0.29 J	0.57 J
Isopropylbenzene (Cumene)	ug/kg			4.4 UJ	4.3 UJ	260 U	1.3 J	4.8 U	4.8 U	5.4 U	3.5 U	3.5 U
Methyl Acetate	ug/kg			22 U	21 U	1300 U	26 U	24 U	24 U	27 U	18 U	18 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	22 U	21 U	1300 U	26 U	26	25	27 U	18 U	2 J
Methylcyclohexane	ug/kg			4.4 U	4.3 U	260 U	5.2 U	4.8 U	4.8 U	5.4 U	0.63 J	1.2 J
Methylene Chloride	ug/kg	**50**	50	4.4 U	4.3 U	260 U	5.2 U	4.8 U	4.8 U	5.4 U	3.5 U	1.6 J
Styrene	ug/kg			4.4 U	4.3 U	260 U	5.2 U	4.8 U	4.8 U	5.4 U	3.5 U	3.5 U
Toluene	ug/kg	700	700	0.34 J	0.34 J	260 U	0.42 J	4.8 U	4.8 U	5.4 U	3.5 U	3.5 U
Xylenes	ug/kg	1600	260	8.7 U	8.6 U	520 U	10 U	9.5 U	9.5 U	11 U	1.1 J	2.8 J
SVOCs													
2,4-Dinitrotoluene	ug/kg			180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
2-Methylnaphthalene	ug/kg			180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
2-Methylphenol (O-Cresol)	ug/kg	330	330	180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Acenaphthene	ug/kg	98000	20000	440	200 U	230 U	46 J	210 U	220 U	240	300	110 J
Acenaphthylene	ug/kg	107000	100000	260	200 U	230 U	200 U	210 U	220 U	230 U	71 J	180 U
Benzo(A)Anthracene	ug/kg	**1000**	1000	320	200 U	290	200 U	210 U	220 U	230 U	200 U	180 U
Benzo(A)Pyrene	ug/kg	22000	1000	300	200 U	170 J	200 U	210 U	220 U	230 U	200 U	180 U
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	170 J	200 U	120 J	200 U	210 U	220 U	230 U	200 U	180 U
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	140 J	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Benzo(K)Fluoranthene	ug/kg	**1700**	800	97 J	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Benzyl Butyl Phthalate	ug/kg			180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Biphenyl (Diphenyl)	ug/kg			64 J	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Caprolactam	ug/kg			180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Carbazole	ug/kg			180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Chrysene	ug/kg	**1000**	1000	310	200 U	280	200 U	210 U	220 U	230 U	200 U	180 U
Dibenz(A,H)Anthracene	ug/kg	1000000	330	180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Dibenzofuran	ug/kg	210000	7000	73 J	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Di-N-Butyl Phthalate	ug/kg			180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Fluoranthene	ug/kg	1000000	100000	530	200 U	460	200 U	210 U	220 U	230 U	200 U	180 U
Fluorene	ug/kg	386000	30000	530	200 U	230 U	50 J	210 U	220 U	230 U	34 J	180 U
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	98 J	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Naphthalene	ug/kg	**12000**	12000	180 U	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Phenanthrene	ug/kg	1000000	100000	1900	200 U	230 U	200 U	210 U	220 U	230 U	200 U	180 U
Pyrene	ug/kg	1000000	100000	1300	200 U	900	28 J	210 U	220 U	230 U	200 U	180 U
Total SVOCs	ug/kg			7042	0	2220	124	0	0	240	405	110

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-002	PDI-OFFSO-003	PDI-OFFSO-003	PDI-OFFSO-003	PDI-OFFSO-004	PDI-OFFSO-004	PDI-OFFSO-004	PDI-OFFSO-004	PDI-OFFSO-004
				Start Depth	25-26.6	13-15	19-21	27-27.8	13-15	13-15	25-26	31-33	33-34.8
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-002-25-26.6	PDI-OFFSO-003-13-15	PDI-OFFSO-003-19-21	PDI-OFFSO-003-27-27.8	PDI-OFFSO-004-13-15	DI-OFFSO-004-13-15-DU	PDI-OFFSO-004-25-26	PDI-OFFSO-004-31-33	PDI-OFFSO-004-33-34.8
				SDG	4802147201	4802147201	4802147201	4802147201	4802146651	4802146651	4802146651	4802146651	4802146651
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/9/2023	11/9/2023	11/9/2023	11/9/2023	11/7/2023	11/7/2023	11/7/2023	11/7/2023	11/7/2023
				Sample Type Code	N	N	N	N	N	FD	N	N	N
Metals													
Chromium III	mg/kg		30		11.4	14.1	15.9	11.4	16.3	17.4	15	10.2	9.5
Aluminum	mg/kg				10700	12700	11000	9730	14600	14200	10800	6360	6830
Antimony	mg/kg				0.49 J	2.2 J	4.4 J	1.3 J	2.3 J	2.4 J	2.6 J	1.8 J	0.64 J
Arsenic	mg/kg	**16**	13		12	6.3	10.7	7.9	8.2	7.1	**17.8**	8.4	11.8
Barium	mg/kg	820	350		39.3	103	58.7	37.4	88.9	90.9	39.3	26.3	31
Beryllium	mg/kg	47	7.2		0.58	0.84	0.74	0.65	0.79	0.81	0.67	0.34	0.37
Cadmium	mg/kg	**7.5**	2.5		0.23 U	0.5	0.13 J	0.04 J	0.35	0.37	0.23 J	0.1 J	0.1 J
Calcium	mg/kg				129000	11300	3420	103000	5150	4670	19700	31500	71200
Chromium, Total	mg/kg		30		11.4	14.1	15.9	11.4	16.3	17.4	15	10.2	9.5
Cobalt	mg/kg				12.5	8.4	9.5	9	8.9	8.9	8.5	7.1	4.8
Copper	mg/kg	**1720**	50		20 J	14.3	10.7	15.9	11.8	12.4	13.8	7.7	9.6
Iron	mg/kg				10300	15000	23500	13600	17700	16700	16000	12100	9470
Lead	mg/kg	**450**	63		15.5	27.3	31.1	11.9	21.3	22.2	29.9	13.7	17.4
Magnesium	mg/kg				4160	6400	2720	18800	3060	3040	13400	20700	38500
Manganese	mg/kg	2000	1600		365	1180	1020	517	1390	1070	461	289	396
Nickel	mg/kg	**130**	30		17.5	19.7	18.7	16	17.7	20.1	20.2	15.2	11.2
Potassium	mg/kg				5380	5190	4490	5110	4270	4370	4970	2200	3340
Selenium	mg/kg	4	3.9		4.5 U	1.4 J	0.66 J	5 U	1.5 J	1.5 J	0.54 J	4.9 U	4.5 U
Silver	mg/kg	**8.3**	2		0.68 U	3.6 U	0.82 U	0.75 U	3.7 U	0.74 U	0.8 U	3.7 U	3.4 U
Sodium	mg/kg				455	196	329	431	209	220	427	335	383
Thallium	mg/kg				6.8 U	7.2 U	8.2 U	7.5 U	7.4 U	7.4 U	8 U	7.4 U	6.8 U
Vanadium	mg/kg				14.7	18.7	21.2	16.8	25	24.2	18.5	12.1	11.6
Zinc	mg/kg	**2480**	109		57.3	55.7	40.1	44	61	58.1	79.9	51.7	43.1
Mercury	mg/kg	**0.73**	0.18		0.011 J	0.045	0.029	0.0091 J	0.054	0.069	0.011 J	0.0058 J	0.0091 J
Cyanide	mg/kg	40	27		1 U	1.1 U	1.2 U	1.1 U	1.2 U	0.62 J	1.1 J	1.1 U	0.96 U
PFAS													
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.1 U	2.3 U	2.7 U	2.4 U	2.3 U	2.6 U	2.7 U	2.4 U	2.1 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.1 U	2.3 U	2.7 U	2.4 U	2.3 U	2.6 U	2.7 U	2.4 U	2.1 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg				0.21 U	0.23 U	0.27 U	0.24 U	0.23 U	0.26 U	0.27 U	0.24 U	0.21 U
Perfluorobutanoic Acid	ug/kg				0.85 U	0.94 U	1.1 U	0.96 U	0.94 U	1 U	1.1 U	0.95 U	0.84 U
Perfluoroheptanoic acid (PFHpA)	ug/kg				0.21 U	0.23 U	0.27 U	0.24 U	0.23 U	0.26 U	0.27 U	0.24 U	0.21 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg				0.21 U	0.23 U	0.27 U	0.24 U	0.23 U	0.26 U	0.27 U	0.24 U	0.21 U
Perfluorohexanoic acid (PFHxA)	ug/kg				0.21 U	0.23 U	0.27 U	0.24 U	0.23 U	0.26 U	0.27 U	0.24 U	0.21 U
Perfluorononanoic acid (PFNA)	ug/kg				0.21 U	0.23 U	0.27 U	0.24 U	0.23 U	0.26 U	0.27 U	0.24 U	0.21 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg				0.21 U	0.23 U	0.27 U	0.24 U	0.23 U	0.26 U	0.27 U	0.24 U	0.21 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	1.0	0.88		0.21 U	0.23 U	0.27 U	0.24 U	0.23 U	0.26 U	0.27 U	0.24 U	0.21 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	0.66		0.21 U	0.23 U	0.27 U	0.24 U	0.23 U	0.26 U	0.27 U	0.24 U	0.21 U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Unrestricted Use SCOs

Total SVOC criteria 500,000 ppb

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-005	PDI-OFFSO-005	PDI-OFFSO-005	PDI-OFFSO-005	PDI-OFFSO-006	PDI-OFFSO-006	PDI-OFFSO-006	PDI-OFFSO-007	PDI-OFFSO-007
				Start Depth	5-7	9-11	15-17	17-18.7	7-9	9-11	17-17.6	7-8.75	7-8.75
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-005-5-7	PDI-OFFSO-005-9-11	PDI-OFFSO-005-15-17	PDI-OFFSO-005-17-18.7	PDI-OFFSO-006-7-9	PDI-OFFSO-006-9-11	PDI-OFFSO-006-17-17.6	PDI-OFFSO-007-7-8.75	DI-OFFSO-007-7-8.75-DU
				SDG	4802146151	4802146151	4802146151	4802146151	4802144001	4802144001	4802144001	4802144001	4802144001
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/6/2023	11/6/2023	11/6/2023	11/6/2023	10/31/2023	10/31/2023	10/31/2023	10/31/2023	10/31/2023
				Sample Type Code	N	N	N	N	N	N	N	N	FD
VOCs													
1,1,2,2-Tetrachloroethane	ug/kg			4.3 U	46 U	260 U	110 U	6.8 U	120 U	110 U	5.1 U	4.3 U
Acetone	ug/kg	**50**	50	22 U	230 U	1300 U	570 U	**450**	**1100**	550 U	26 U	5.3 J
Benzene	ug/kg	**60**	60	4.3 U	**1600**	**350**	**130**	0.37 J	120 U	110 U	5.1 U	4.3 U
Carbon Disulfide	ug/kg			4.3 U	46 U	260 U	110 U	3.9 J	120 U	110 U	5.1 U	4.3 U
Chlorobenzene	ug/kg	1100	1100	4.3 U	46 U	260 U	110 U	2.5 J	120 U	110 U	5.1 U	4.3 U
Cyclohexane	ug/kg			4.3 UJ	46 U	260 U	110 U	1.1 J	120 U	110 U	5.1 UJ	4.3 UJ
Ethylbenzene	ug/kg	1000	1000	4.3 U	200	200 J	98 J	0.48 J	42 J	180	5.1 U	4.3 U
Isopropylbenzene (Cumene)	ug/kg			4.3 U	34 J	130 J	34 J	3.4 J	280	98 J	5.1 U	4.3 U
Methyl Acetate	ug/kg			22 U	230 U	1300 U	570 U	34 U	360 J	550 U	26 U	21 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	22 U	230 U	1300 U	570 U	90 J	620 U	550 U	26 UJ	21 UJ
Methylcyclohexane	ug/kg			4.3 UJ	46 U	260 U	110 U	6.8 UJ	120 U	110 U	5.1 UJ	4.3 UJ
Methylene Chloride	ug/kg	**50**	50	4.3 U	29 J	260 U	110 U	6.8 U	**82 J**	41 J	5.1 U	4.3 U
Styrene	ug/kg			4.3 U	46 U	260 U	110 U	6.8 U	120 UJ	110 UJ	0.59 J	0.31 J
Toluene	ug/kg	700	700	4.3 U	170	260 U	110 U	1.1 J	37 J	110 U	0.81 J	0.74 J
Xylenes	ug/kg	1600	260	8.6 U	160	520 U	230 U	3.2 J	250 U	220 U	10 U	8.5 U
SVOCs													
2,4-Dinitrotoluene	ug/kg			190 U	200 U	1000 U	210 U	5300 U	3100 U	1100 U	210 U	210 U
2-Methylnaphthalene	ug/kg			190 U	150 J	1000 U	66 J	5300 U	980 J	1100 U	210 U	210 U
2-Methylphenol (O-Cresol)	ug/kg	330	330	190 U	200 U	1000 U	210 U	5300 U	3100 U	1100 U	210 U	210 U
Acenaphthene	ug/kg	98000	20000	190 U	750	6300	5400	1900 J	3900	1800	210 U	210 U
Acenaphthylene	ug/kg	107000	100000	100 J	99 J	750 J	1100	5300 U	3100 U	160 J	210 U	210 U
Benzo(A)Anthracene	ug/kg	**1000**	1000	190	1000	**1700**	**1500**	**27000**	**27000**	**2100**	210 U	210 U
Benzo(A)Pyrene	ug/kg	22000	1000	380	920	1700	1500	19000	19000	1800	210 U	210 U
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	390	980	1100	890	**42000**	**34000**	**2300**	210 U	210 U
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	390	590	990 J	870	27000	19000	1400	210 U	210 U
Benzo(K)Fluoranthene	ug/kg	**1700**	800	140 J	410	400 J	390	**23000**	**15000**	920 J	210 U	210 U
Benzyl Butyl Phthalate	ug/kg			190 U	200 U	1000 U	210 U	5300 U	3100 U	1100 U	210 U	210 U
Biphenyl (Diphenyl)	ug/kg			190 U	150 J	1500	1400	5300 U	3100 U	350 J	210 U	210 U
Caprolactam	ug/kg			89 J	72 J	1000 U	210 U	5300 U	3100 U	1100 U	210 U	210 U
Carbazole	ug/kg			190 U	61 J	1000 U	26 J	2900 J	540 J	1100 U	210 U	210 U
Chrysene	ug/kg	**1000**	1000	260	1000	**1600**	**1200**	**38000**	**34000**	**2400**	210 U	210 U
Dibenz(A,H)Anthracene	ug/kg	1000000	330	100 J	160 J	200 J	180 J	8300	3100 U	400 J	210 U	210 U
Dibenzofuran	ug/kg	210000	7000	190 U	120 J	240 J	210 U	3200 J	2600 J	230 J	210 U	210 U
Di-N-Butyl Phthalate	ug/kg			190 U	200 U	1000 U	210 U	5300 U	3100 U	1100 U	210 U	37 J
Fluoranthene	ug/kg	1000000	100000	230	2400	4000	3300	63000	68000	5300	210 U	210 U
Fluorene	ug/kg	386000	30000	23 J	280	3500	2900	6400	5400	1200	210 U	210 U
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	290	470	590 J	570	**23000**	**17000**	1200	210 U	210 U
Naphthalene	ug/kg	**12000**	12000	190 U	480	340 J	90 J	870 J	910 J	810 J	210 U	210 U
Phenanthrene	ug/kg	1000000	100000	100 J	2000	13000	9400	54000	47000	5700	210 U	210 U
Pyrene	ug/kg	1000000	100000	420	1900	6000	4900	49000	54000	5000	210 U	210 U
Total SVOCs	ug/kg			3102	14422	47010	38182	396270	356730	34370	0	37

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-005	PDI-OFFSO-005	PDI-OFFSO-005	PDI-OFFSO-005	PDI-OFFSO-006	PDI-OFFSO-006	PDI-OFFSO-006	PDI-OFFSO-007	PDI-OFFSO-007
				Start Depth	5-7	9-11	15-17	17-18.7	7-9	9-11	17-17.6	7-8.75	7-8.75
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-005-5-7	PDI-OFFSO-005-9-11	PDI-OFFSO-005-15-17	PDI-OFFSO-005-17-18.7	PDI-OFFSO-006-7-9	PDI-OFFSO-006-9-11	PDI-OFFSO-006-17-17.6	PDI-OFFSO-007-7-8.75	DI-OFFSO-007-7-8.75-DU
				SDG	4802146151	4802146151	4802146151	4802146151	4802144001	4802144001	4802144001	4802144001	4802144001
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/6/2023	11/6/2023	11/6/2023	11/6/2023	10/31/2023	10/31/2023	10/31/2023	10/31/2023	10/31/2023
				Sample Type Code	N	N	N	N	N	N	N	N	FD
Metals													
Chromium III	mg/kg		30		12.3	10.2	8.9	14.8	95.3	31.7	12.5	10.9	10.1
Aluminum	mg/kg				11300	7250	7600	14500	6470	4720	8810	8380	8420
Antimony	mg/kg				1.1 J	1.5 J	2.3 J	0.89 J	98.5	562	6.9 J	17.6 U	19.4 U
Arsenic	mg/kg	**16**	13		5.4	4.1	4.1	6.5	**42.1**	**68.1**	12.7	7.6	6.6
Barium	mg/kg	820	350		77.6	51.2	36	42.4	681	337	62.4	31.8	29.9
Beryllium	mg/kg	47	7.2		0.46	0.29	0.33	0.79	0.35	0.3 J	0.44	0.39	0.38
Cadmium	mg/kg	**7.5**	2.5		0.1 J	0.088 J	0.12 J	0.24 U	**15.4**	**14.1**	3.3	0.24 U	0.26 U
Calcium	mg/kg				81700	37300	13300	149000	5480	58500	41800	1670	1460
Chromium, Total	mg/kg		30		12.3	10.2	8.9	14.8	95.3	31.7	12.5	10.9	10.1
Cobalt	mg/kg				5.7	4	5.3	6.9	5.1	6.6	8.4	6.8	6.3
Copper	mg/kg	**1720**	50		15.9	11.9	8.7	10.8	**27300**	**28400**	703	11	10
Iron	mg/kg				14100	11700	13500	16800	102000	99800	42300	17400	14900
Lead	mg/kg	**450**	63		40.6	56.9	16.3	7	**6650**	**7660**	273	12.1	10
Magnesium	mg/kg				17800	8920	4750	25200	1660	7790	9000	2120	2120
Manganese	mg/kg	2000	1600		330	469	241	549	402	1100	735	157	117
Nickel	mg/kg	**130**	30		11.3	9	12.6	16.8	**161**	130	24.1	15.8	15.7
Potassium	mg/kg				4260	1820	1350	6500	506	706	2430	1590	1580
Selenium	mg/kg	4	3.9		4.3 U	4.8 U	5 U	4.9 U	1 J	7.5 U	5.3 U	4.7 U	5.2 U
Silver	mg/kg	**8.3**	2		0.43 J	0.72 U	0.4 J	0.36 J	**97.1**	**63.3**	1	0.71 U	0.78 U
Sodium	mg/kg				340	492	420	537	824	1310	417	72.4 J	81.1 J
Thallium	mg/kg				6.5 U	7.2 U	7.5 U	7.3 U	9.6 U	11.3 U	8 U	7.1 U	7.8 U
Vanadium	mg/kg				16.1	16	14.3	24	31.3	24.2	17.5	18.7	15.3
Zinc	mg/kg	**2480**	109		29.6	30.3	29.1	17.9	**8400**	**13700**	1190	41	43.5
Mercury	mg/kg	**0.73**	0.18		0.049	0.059	0.029	0.025 U	**38.9**	**6.3**	0.27	0.017 J	0.012 J
Cyanide	mg/kg	40	27		0.98 U	1 U	1.1 U	1.2 U	1.4 U	1.2 J	1.3	1.7	0.82 J
PFAS													
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.3 U	2.3 U	2.4 U	0.2 J	2.9 UJ	3.5 U	2.6 U	2.5 U	2.5 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.3 U	2.3 U	2.4 U	2.4 U	0.19 J	3.5 U	2.6 U	2.5 U	2.5 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg				0.23 U	0.23 U	0.24 U	0.24 U	0.23 J	0.14 J	0.26 U	0.25 U	0.25 U
Perfluorobutanoic Acid	ug/kg				0.062 J	0.91 U	0.97 U	0.95 U	1 J	0.78 J	1 U	0.98 U	0.99 U
Perfluoroheptanoic acid (PFHpA)	ug/kg				0.23 U	0.23 U	0.24 U	0.24 U	0.29 U	0.12 JN	0.26 U	0.25 U	0.25 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg				0.23 U	0.23 U	0.24 U	0.24 U	0.29 U	0.054 JN	0.26 U	0.25 U	0.25 U
Perfluorohexanoic acid (PFHxA)	ug/kg				0.23 U	0.23 U	0.24 U	0.24 U	2 J	0.35 U	0.095 JN	0.25 U	0.25 U
Perfluorononanoic acid (PFNA)	ug/kg				0.023 J	0.23 U	0.24 U	0.24 U	0.29 U	0.35 U	0.26 U	0.25 U	0.25 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg				0.23 U	0.23 U	0.24 U	0.016 JN	0.29 U	0.35 U	0.26 U	0.25 U	0.25 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	1.0	0.88		0.14 J	0.23 U	0.24 U	0.24 U	0.29 U	0.35 U	0.26 U	0.25 U	0.25 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	0.66		0.23 U	0.23 U	0.24 U	0.24 U	0.46 J	0.077 JN	0.26 U	0.25 U	0.25 U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Unrestricted Use SCOs

Total SVOC criteria 500,000 ppb

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-007	PDI-OFFSO-007	PDI-OFFSO-008	PDI-OFFSO-008	PDI-OFFSO-008	PDI-OFFSO-009	PDI-OFFSO-009	PDI-OFFSO-009	PDI-OFFSO-010
				Start Depth	13-14.5	19-20.8	7-9	13-15	17-18.9	5-7	7-9	9-11.2	9-11
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-007-13-14.5	PDI-OFFSO-007-19-20.5	PDI-OFFSO-008-7-9	PDI-OFFSO-008-13-15	PDI-OFFSO-008-17-18.9	PDI-OFFSO-009-5-7	PDI-OFFSO-009-7-9	PDI-OFFSO-009-9-11.2	PDI-OFFSO-010-9-11
				SDG	4802144001	4802144001	4802144591	4802144591	4802144591	4802144591	4802144591	4802144591	4802145341
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	10/31/2023	10/31/2023	11/1/2023	11/1/2023	11/1/2023	11/1/2023	11/1/2023	11/1/2023	11/2/2023
				Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs													
1,1,2,2-Tetrachloroethane	ug/kg			100 U	4.3 U	4.2 U	150 U	4.5 U	4.8 U	570	500 U	4.2 U
Acetone	ug/kg	**50**	50	520 U	9.2 J	8.5 J	**1400**	14 J	24 U	2700 U	2500 U	**150 J**
Benzene	ug/kg	**60**	60	100 U	4.3 U	0.73 J	**310**	4.5 U	4.8 U	530 U	500 U	11 J
Carbon Disulfide	ug/kg			100 U	4.3 U	4.2 U	150 U	4.5 U	4.8 U	530 U	500 U	3.4 J
Chlorobenzene	ug/kg	1100	1100	100 U	4.3 U	4.2 U	150 U	4.5 U	4.8 U	530 U	500 U	4.2 U
Cyclohexane	ug/kg			100 U	4.3 UJ	4.2 UJ	150 U	4.5 UJ	4.8 UJ	530 U	500 U	4.2 UJ
Ethylbenzene	ug/kg	1000	1000	100 U	4.3 U	4.2 U	530	4.5 U	4.8 U	530 U	500 U	4.2 U
Isopropylbenzene (Cumene)	ug/kg			100 U	4.3 U	4.2 U	27 J	4.5 U	4.8 U	530 U	500 U	2.1 J
Methyl Acetate	ug/kg			520 U	21 U	21 U	760 U	23 U	24 U	2700 U	4300	21 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	520 U	21 UJ	21 UJ	760 U	23 UJ	24 UJ	2700 U	2500 U	36 J
Methylcyclohexane	ug/kg			100 U	4.3 UJ	4.2 UJ	150 U	4.5 UJ	4.8 UJ	530 U	500 U	4.2 UJ
Methylene Chloride	ug/kg	**50**	50	46 J	4.3 U	4.2 U	34 J	4.5 U	4.8 U	530 U	500 U	4.2 U
Styrene	ug/kg			100 UJ	4.3 U	1.1 J	150 UJ	4.5 U	4.8 U	530 UJ	500 UJ	4.2 U
Toluene	ug/kg	700	700	100 U	0.51 J	0.62 J	320	4.5 U	0.47 J	530 U	500 U	0.35 J
Xylenes	ug/kg	1600	260	210 U	8.5 U	8.3 U	320	9.1 U	9.5 U	1100 U	1000 U	8.4 U
SVOCs													
2,4-Dinitrotoluene	ug/kg			210 U	200 U	2000 U	2400 U	210 U	190 U	1000 U	210 U	210 U
2-Methylnaphthalene	ug/kg			210 U	200 U	2000 U	4700	210 U	190 U	1000 U	210 U	210 U
2-Methylphenol (O-Cresol)	ug/kg	330	330	210 U	200 U	2000 U	2400 U	210 U	190 U	1000 U	210 U	210 U
Acenaphthene	ug/kg	98000	20000	210 U	200 U	2000 U	9200	150 J	190 U	1000 U	210 U	210 U
Acenaphthylene	ug/kg	107000	100000	210 U	200 U	1100 J	370 J	100 J	190 U	1000 U	210 U	210 U
Benzo(A)Anthracene	ug/kg	**1000**	1000	210 U	200 U	**3200**	**22000**	140 J	21 J	1000 U	110 J	29 J
Benzo(A)Pyrene	ug/kg	22000	1000	210 U	200 U	4500	20000	120 J	48 J	1000 U	150 J	48 J
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	210 U	200 U	**5900**	**21000**	140 J	57 J	1000 U	170 J	47 J
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	210 U	200 U	5000	14000	82 J	75 J	1000 U	170 J	45 J
Benzo(K)Fluoranthene	ug/kg	**1700**	800	210 U	200 U	**2900**	**11000**	55 J	190 U	1000 U	100 J	210 U
Benzyl Butyl Phthalate	ug/kg			210 U	200 U	2000 U	2400 U	210 U	52 J	1000 U	210 U	210 U
Biphenyl (Diphenyl)	ug/kg			210 U	200 U	2000 U	1200 J	210 U	190 U	1000 U	210 U	210 U
Caprolactam	ug/kg			210 U	200 U	2000 U	2400 U	210 U	190 U	1000 U	210 U	210 U
Carbazole	ug/kg			210 U	200 U	2000 U	8900	59 J	190 U	1000 U	210 U	210 U
Chrysene	ug/kg	**1000**	1000	210 U	200 U	**3700**	**21000**	150 J	190 U	1000 U	130 J	210 U
Dibenz(A,H)Anthracene	ug/kg	1000000	330	210 U	200 U	1300 J	4000	210 U	190 U	1000 U	210 U	210 U
Dibenzofuran	ug/kg	210000	7000	210 U	200 U	2000 U	8100	56 J	190 U	1000 U	270	210 U
Di-N-Butyl Phthalate	ug/kg			36 J	200 U	2000 U	2400 U	210 U	190 U	1000 U	210 U	210 U
Fluoranthene	ug/kg	1000000	100000	210 U	200 U	4300	56000	430	35 J	1000 U	210	34 J
Fluorene	ug/kg	386000	30000	210 U	200 U	2000 U	11000	110 J	190 U	1000 U	210 U	210 U
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	210 U	200 U	4400	**13000**	70 J	59 J	1000 U	130 J	40 J
Naphthalene	ug/kg	**12000**	12000	210 U	200 U	370 J	**13000**	79 J	190 U	1000 U	210 U	210 U
Phenanthrene	ug/kg	1000000	100000	210 U	200 U	1500 J	70000	460	190 U	1000 U	82 J	210 U
Pyrene	ug/kg	1000000	100000	210 U	200 U	4200	41000	360	32 J	1000 U	180 J	34 J
Total SVOCs	ug/kg			36	0	43060	367850	2681	379	190	1702	277

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-007	PDI-OFFSO-007	PDI-OFFSO-008	PDI-OFFSO-008	PDI-OFFSO-008	PDI-OFFSO-009	PDI-OFFSO-009	PDI-OFFSO-009	PDI-OFFSO-010
				Start Depth	13-14.5	19-20.8	7-9	13-15	17-18.9	5-7	7-9	9-11.2	9-11
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-007-13-14.5	PDI-OFFSO-007-19-20.5	PDI-OFFSO-008-7-9	PDI-OFFSO-008-13-15	PDI-OFFSO-008-17-18.9	PDI-OFFSO-009-5-7	PDI-OFFSO-009-7-9	PDI-OFFSO-009-9-11.2	PDI-OFFSO-010-9-11
				SDG	4802144001	4802144001	4802144591	4802144591	4802144591	4802144591	4802144591	4802144591	4802145341
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	10/31/2023	10/31/2023	11/1/2023	11/1/2023	11/1/2023	11/1/2023	11/1/2023	11/1/2023	11/2/2023
				Sample Type Code	N	N	N	N	N	N	N	N	N
Metals													
Chromium III	mg/kg		30		11.4	9.3	14.5	19.1	17.1	8.7	11.9	10.6	11.6
Aluminum	mg/kg				11500	9600	7160	11700	15800	7060	9380 J	8350	8770
Antimony	mg/kg				18.6 U	17.6 U	9.1 J	8.1 J	2.5 J	4.3 J	5.6 J	3.3 J	5.5 J
Arsenic	mg/kg	**16**	13		**16.6**	5.7	11.5	8.2	6.1	5.2	7.1	10.6	8.5
Barium	mg/kg	820	350		48.6	32.2	44.2	57.1	37.9	33.5	54.2 J	51.4	53.3
Beryllium	mg/kg	47	7.2		0.76	0.51	0.48	0.56	0.88	0.34	0.45	0.47	0.43
Cadmium	mg/kg	**7.5**	2.5		0.25 U	0.24 U	0.091 J	0.18 J	0.25 U	0.04 J	0.068 J	0.13 J	0.088 J
Calcium	mg/kg				93400	213000	29000	35400	107000	1230	1480 J	96500	7190
Chromium, Total	mg/kg		30		11.4	9.3	14.5	19.1	17.1	8.7	11.9 J	10.6	11.6
Cobalt	mg/kg				12.9	6.4	6.1	7.7	8.7	5.7	7.2	6.6	6.6
Copper	mg/kg	**1720**	50		38.9	8	47.4	77.8	14.7	7.1	10 J	16.2	19.2
Iron	mg/kg				29000	18300	23100	21600	17500	13100	17100 J	16500	17400
Lead	mg/kg	**450**	63		13.1	4.9	122	64	6.9	11.5	12.3	34.5	32.4
Magnesium	mg/kg				19300	30900	7950	8520	26800	1780	2390 J	28300	3030
Manganese	mg/kg	2000	1600		1360	748	162	389	488	261	197 J	959	260
Nickel	mg/kg	**130**	30		26.5	12.6	17.8	21.9	20.3	12.6	17.1	15.9	16.3
Potassium	mg/kg				5190	4520	1580	2650	8130	1300	1860 J	3360	1760
Selenium	mg/kg	4	3.9		5 U	4.7 U	0.91 J	0.82 J	0.83 J	0.57 J	5 U	0.84 J	5 U
Silver	mg/kg	**8.3**	2		0.74 U	3.5 U	0.49 J	0.52 J	0.76 U	0.23 J	0.75 U	0.76 U	0.76 U
Sodium	mg/kg				294	333	538	452	270	60 J	63 J	238	586
Thallium	mg/kg				0.5 J	0.48 J	6.9 U	8.5 U	7.6 U	6.6 U	7.5 U	7.6 U	7.6 U
Vanadium	mg/kg				18.3	13.6	30.1	23.7	21.8	14.3	18.5	14.8	18.3
Zinc	mg/kg	**2480**	109		35.2	11.6	50.6	140	21.3	33.4	53.1 J	69.7	62.3
Mercury	mg/kg	**0.73**	0.18		0.016 J	0.021 U	0.27	0.11	0.024 U	0.016 J	0.011 J	0.02 J	0.53
Cyanide	mg/kg	40	27		1.6	1.2 UJ	19.9	4.2	1.2 U	1.1 U	1.3 J	0.76 J	0.93 J
PFAS													
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.5 U	2.3 U	2.2 U	5.6 UJ	4.9 U	2.2 U	2.4 U	2.5 U	2.3 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.5 U	2.3 U	2.2 U	5.6 U	4.9 U	2.2 U	2.4 U	2.5 U	2.3 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg				0.25 U	0.23 U	0.12 J	0.18 J	0.49 U	0.22 U	0.24 U	0.25 U	0.23 U
Perfluorobutanoic Acid	ug/kg				1 U	0.92 U	0.89 U	0.78 J	1.9 U	0.86 U	0.96 U	1 U	0.93 U
Perfluoroheptanoic acid (PFHpA)	ug/kg				0.25 U	0.23 U	0.22 U	0.56 U	0.49 U	0.22 U	0.24 U	0.25 U	0.23 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg				0.25 U	0.23 U	0.22 U	0.56 U	0.49 U	0.22 U	0.24 U	0.25 U	0.23 U
Perfluorohexanoic acid (PFHxA)	ug/kg				0.25 U	0.23 U	0.22 U	0.56 U	0.49 U	0.22 U	0.24 U	0.25 U	0.23 U
Perfluorononanoic acid (PFNA)	ug/kg				0.25 U	0.23 U	0.22 U	0.56 U	0.49 U	0.22 U	0.24 U	0.25 U	0.23 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg				0.25 U	0.23 U	0.22 U	0.56 U	0.49 U	0.22 U	0.24 U	0.25 U	0.23 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	1.0	0.88		0.25 U	0.23 U	0.2 J	0.56 U	0.49 U	0.071 J	0.083 J	0.4	0.23 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	0.66		0.25 U	0.23 U	0.22 U	0.56 U	0.49 U	0.22 U	0.24 U	0.25 U	0.23 U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Unrestricted Use SCOs

Total SVOC criteria 500,000 ppb

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	Start Depth	Depth Unit	Sample ID	SDG	Matrix	Sample Date	Sample Type Code
				PDI-OFFSO-010	9-11	ft	PDI-OFFSO-010-9-11-DU	4802145341	SO	11/2/2023	FD
				PDI-OFFSO-010	13-15	ft	PDI-OFFSO-010-13-15	4802145341	SO	11/2/2023	N
				PDI-OFFSO-010	19-21	ft	PDI-OFFSO-010-19-21	4802145341	SO	11/2/2023	N
				PDI-OFFSO-011	1-5	ft	PDI-OFFSO-011-1-5	4802145341	SO	11/2/2023	N
				PDI-OFFSO-011	8-11	ft	PDI-OFFSO-011-8-11	4802145341	SO	11/2/2023	N
				PDI-OFFSO-011	17-18.8	ft	PDI-OFFSO-011-17-18.8	4802145341	SO	11/2/2023	N
				PDI-OFFSO-012	5-7	ft	PDI-OFFSO-012-5-7	4802146151	SO	11/6/2023	N
				PDI-OFFSO-012	7-9	ft	PDI-OFFSO-012-7-9	4802146151	SO	11/6/2023	N
				PDI-OFFSO-012	15-16	ft	PDI-OFFSO-012-15-16	4802146151	SO	11/6/2023	N
VOCs											
1,1,2,2-Tetrachloroethane	ug/kg			65 U	80 U	3.5 U	4.6 U	1100 U	110 U	6.1 U	4.1 U	52 U
Acetone	ug/kg	**50**	50	320 U	**380 J**	29	11 J	5700 U	540 U	30 U	23	260 U
Benzene	ug/kg	**60**	60	**240 J**	**310 J**	1 J	2.5 J	**8100**	**360**	6.1 U	4.1 U	**130**
Carbon Disulfide	ug/kg			65 U	270	4.8	4.6 U	1100 U	110 U	6.1 U	4.1 U	52 U
Chlorobenzene	ug/kg	1100	1100	65 U	80 U	3.5 U	4.6 U	1100 U	110 U	6.1 U	4.1 U	52 U
Cyclohexane	ug/kg			65 U	52 J	3.5 UJ	4.6 UJ	1100 U	110 U	6.1 UJ	4.1 U	52 U
Ethylbenzene	ug/kg	1000	1000	21 J	76 J	0.29 J	4.6 U	1100 U	79 J	6.1 U	4.1 U	210
Isopropylbenzene (Cumene)	ug/kg			22 J	150 J	1 J	4.6 U	350 J	27 J	6.1 U	4.1 U	54
Methyl Acetate	ug/kg			310 J	1200	7.7 J	23 U	5700 U	540 U	30 U	21 U	82 J
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	320 U	400 U	3.7 J	23 UJ	5700 U	540 U	30 U	4.1 J	260 U
Methylcyclohexane	ug/kg			65 U	66 J	3.5 UJ	4.6 UJ	1100 U	110 U	6.1 UJ	4.1 U	75
Methylene Chloride	ug/kg	**50**	50	65 U	80 U	3.5 U	4.6 U	1100 U	43 J	6.1 U	4.1 U	52 U
Styrene	ug/kg			65 UJ	80 UJ	3.5 U	4.6 U	1100 UJ	110 UJ	6.1 U	4.1 U	52 U
Toluene	ug/kg	700	700	19 J	21 J	0.42 J	1.4 J	1100 U	110 U	6.1 U	4.1 U	52 U
Xylenes	ug/kg	1600	260	130 U	140 J	0.61 J	1.1 J	2300 U	220 U	12 U	8.3 U	54 J
SVOCs											
2,4-Dinitrotoluene	ug/kg			210 U	51 J	210 U	930 U	210 U	200 U	3800 U	210 U	210 U
2-Methylnaphthalene	ug/kg			210 U	240 U	210 U	930 U	210 U	200 U	3800 U	210 U	210 U
2-Methylphenol (O-Cresol)	ug/kg	330	330	210 U	240 U	210 U	930 U	210 U	200 U	3800 U	210 U	210 U
Acenaphthene	ug/kg	98000	20000	210 U	180 J	130 J	930 U	580	150 J	3800 U	180 J	380
Acenaphthylene	ug/kg	107000	100000	210 U	240 U	29 J	360 J	210 U	110 J	3800 U	210 U	210 U
Benzo(A)Anthracene	ug/kg	**1000**	1000	26 J	93 J	98 J	**2400**	570	110 J	490 J	160 J	210 U
Benzo(A)Pyrene	ug/kg	22000	1000	47 J	120 J	130 J	3400	530	120 J	900 J	440	210 U
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	53 J	110 J	110 J	**4100**	550	87 J	860 J	380	210 U
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	43 J	77 J	100 J	3100	340	80 J	890 J	470	210 U
Benzo(K)Fluoranthene	ug/kg	**1700**	800	210 U	66 J	70 J	1600	260	54 J	560 J	160 J	210 U
Benzyl Butyl Phthalate	ug/kg			210 U	240 U	210 U	930 U	210 U	200 U	3800 U	210 U	210 U
Biphenyl (Diphenyl)	ug/kg			210 U	240 U	210 U	930 U	210 U	50 J	3800 U	210 U	210 U
Caprolactam	ug/kg			210 U	240 U	82 J	930 U	210 U	200 U	3800 U	210 U	210 U
Carbazole	ug/kg			210 U	240 U	210 U	930 U	39 J	200 U	3800 U	210 U	210 U
Chrysene	ug/kg	**1000**	1000	210 U	100 J	94 J	**2600**	560	99 J	3800 U	170 J	210 U
Dibenz(A,H)Anthracene	ug/kg	1000000	330	210 U	240 U	210 U	930 U	210 U	200 U	3800 U	110 J	210 U
Dibenzofuran	ug/kg	210000	7000	210 U	44 J	27 J	140 J	210 U	200 U	3800 U	210 U	210 U
Di-N-Butyl Phthalate	ug/kg			210 U	240 U	210 U	930 U	210 U	200 U	3800 U	210 U	210 U
Fluoranthene	ug/kg	1000000	100000	37 J	200 J	200 J	5000	1700	230	900 J	160 J	28 J
Fluorene	ug/kg	386000	30000	210 U	81 J	43 J	930 U	430	130 J	3800 U	210 U	210
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	36 J	74 J	85 J	2700	290	57 J	750 J	400	210 U
Naphthalene	ug/kg	**12000**	12000	210 U	240	95 J	470 J	210 U	340	3800 U	210 U	190 J
Phenanthrene	ug/kg	1000000	100000	210 U	280	180 J	1700	1400	500	3800 U	60 J	460
Pyrene	ug/kg	1000000	100000	33 J	150 J	170 J	4200	1500	300	690 J	170 J	26 J
Total SVOCs	ug/kg			275	1953	1703	32300	9139	2547	6040	2860	1394

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-010	PDI-OFFSO-010	PDI-OFFSO-010	PDI-OFFSO-011	PDI-OFFSO-011	PDI-OFFSO-011	PDI-OFFSO-012	PDI-OFFSO-012	PDI-OFFSO-012
				Start Depth	9-11	13-15	19-21	1-5	8-11	17-18.8	5-7	7-9	15-16
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-010-9-11-DU	PDI-OFFSO-010-13-15	PDI-OFFSO-010-19-21	PDI-OFFSO-011-1-5	PDI-OFFSO-011-8-11	PDI-OFFSO-011-17-18.8	PDI-OFFSO-012-5-7	PDI-OFFSO-012-7-9	PDI-OFFSO-012-15-16
				SDG	4802145341	4802145341	4802145341	4802145341	4802145341	4802145341	4802146151	4802146151	4802146151
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/2/2023	11/6/2023	11/6/2023	11/6/2023
				Sample Type Code	FD	N	N	N	N	N	N	N	N
Metals													
Chromium III	mg/kg		30		11.7	11	8.8	33.5	12.6	13.1	8.6	10.7	11.9
Aluminum	mg/kg				8890	6960	7570	8000	8780	11400	6480	10100	10200
Antimony	mg/kg				5.5 J	4.5 J	3 J	3.4 J	3.5 J	3.1 J	2.8 J	2.7 J	2.9 J
Arsenic	mg/kg	**16**	13		7.4	4	3.5	3.4	6.2	15	5.6	13.8	**20.5**
Barium	mg/kg	820	350		57	99.3	48.5	53.1	64.5	49.9	48	36	34.6
Beryllium	mg/kg	47	7.2		0.46	0.35	0.32	0.37	0.4	0.68	0.38	0.4	0.46
Cadmium	mg/kg	**7.5**	2.5		0.1 J	0.19 J	0.045 J	0.086 J	0.12 J	0.24 U	0.19 J	0.17 J	0.19 J
Calcium	mg/kg				8690	25800	53900	41600	57000	98500	27200	2200	4930
Chromium, Total	mg/kg		30		11.7	11	8.8	33.5	12.6	13.1	8.6	10.7	11.9
Cobalt	mg/kg				6.7	5.3	4.2	5.2	4.9	12.6	4.4	6	7.5
Copper	mg/kg	**1720**	50		27.4	44.8	11.7	30.6	17.7	10.9	107	15.2	12.3
Iron	mg/kg				16600	14100	11800	13000	12900	16200	13400	15500	17400
Lead	mg/kg	**450**	63		32	164	9.5	24.4	239	75.7	69.8	14.8	13
Magnesium	mg/kg				2860	7490	16700	10900	13200	33200	14100	2540	4020
Manganese	mg/kg	2000	1600		266	255	413	390	476	532	259	170	260
Nickel	mg/kg	**130**	30		15.7	13	9.7	16.4	11.2	20.5	11.6	13.8	18
Potassium	mg/kg				1800	1280	1810	2560	2630	5720	1170	1250	2120
Selenium	mg/kg	4	3.9		0.63 J	1 J	5.3 U	0.44 J	5.3 U	0.5 J	4.4 U	4.8 U	5.1 U
Silver	mg/kg	**8.3**	2		0.72 U	0.38 J	0.79 U	0.72	0.55 J	0.71 U	0.49 J	0.59 J	0.55 J
Sodium	mg/kg				585	596	430	339	593	439	263	303	496
Thallium	mg/kg				7.2 U	8.4 U	7.9 U	6.4 U	7.9 U	7.1 U	6.6 U	7.3 U	7.6 U
Vanadium	mg/kg				18.7	15.1	15.7	17.6	21.5	19.4	16.6	17.9	17.7
Zinc	mg/kg	**2480**	109		60.9	91.8	26.6	41.1	49.4	24.9	62.2	36	34.8
Mercury	mg/kg	**0.73**	0.18		0.4	**1.8 J**	0.51	0.057	0.25	0.041	0.19	0.021 J	0.015 J
Cyanide	mg/kg	40	27		1 J	4.8 J	0.84 J	1.6	0.92 J	1.1 U	1.1 U	1.1 U	0.55 J
PFAS													
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.3 U	2.7 U	2.3 U	2.1 U	2.5 U	2.4 U	2.1 U	2.5 U	2.3 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.3 U	2.7 U	2.3 U	2.1 U	2.5 U	2.4 U	2.1 U	2.5 U	2.3 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg				0.23 U	0.27 U	0.23 U	0.1 J	0.25 U	0.24 U	0.21 U	0.25 U	0.23 U
Perfluorobutanoic Acid	ug/kg				0.9 U	1.1 U	0.94 U	0.83 U	1 U	0.97 U	0.85 U	0.99 U	0.92 U
Perfluoroheptanoic acid (PFHpA)	ug/kg				0.23 U	0.27 U	0.23 U	0.21 U	0.25 U	0.24 U	0.21 U	0.25 U	0.23 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg				0.23 U	0.27 U	0.23 U	0.21 U	0.25 U	0.24 U	0.21 U	0.25 U	0.23 U
Perfluorohexanoic acid (PFHxA)	ug/kg				0.23 U	0.27 U	0.23 U	0.21 U	0.25 U	0.24 U	0.21 U	0.25 U	0.23 U
Perfluorononanoic acid (PFNA)	ug/kg				0.23 U	0.27 U	0.23 U	0.21 U	0.25 U	0.24 U	0.21 U	0.25 U	0.23 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg				0.23 U	0.27 U	0.23 U	0.21 U	0.25 U	0.24 U	0.21 U	0.25 U	0.23 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	1.0	0.88		0.23 U	0.27 U	0.23 U	0.1 J	0.25 U	0.24 U	0.079 J	0.25 U	0.23 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	0.66		0.23 U	0.27 U	0.23 U	0.21 U	0.25 U	0.24 U	0.21 U	0.25 U	0.23 U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Unrestricted Use SCOs

Total SVOC criteria 500,000 ppb

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-012	PDI-OFFSO-013	PDI-OFFSO-013	PDI-OFFSO-013	PDI-OFFSO-013	PDI-OFFSO-014	PDI-OFFSO-014	PDI-OFFSO-014	PDI-OFFSO-014
				Start Depth	16-18.7	5-7	9-11	13-15	19-20	7-8	11-13	17-19	19-21.3
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-012-16-18.7	PDI-OFFSO-013-5-7	PDI-OFFSO-013-9-11	PDI-OFFSO-013-13-15	PDI-OFFSO-013-19-20	PDI-OFFSO-014-7-9	PDI-OFFSO-014-11-13	PDI-OFFSO-014-17-19	PDI-OFFSO-014-19-21.3
				SDG	4802146151	4802149151	4802149151	4802149151	4802149151	4802148611	4802148611	4802148611	4802148611
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/6/2023	11/14/2023	11/14/2023	11/14/2023	11/14/2023	11/13/2023	11/13/2023	11/13/2023	11/13/2023
				Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs													
1,1,2,2-Tetrachloroethane	ug/kg			5 U	62 U	3.6 U	110 U	120 U	4.2 U	52 U	230 U	58 U
Acetone	ug/kg	**50**	50	12 J	310 U	16 J	540 U	590 U	15 J	260 U	1100 U	290 U
Benzene	ug/kg	**60**	60	8.9	**220**	3.6 U	110 U	**910**	4.2 U	52 U	230 U	**590**
Carbon Disulfide	ug/kg			5 U	62 UJ	3.6 U	110 UJ	120 UJ	4.2 U	52 UJ	230 UJ	58 UJ
Chlorobenzene	ug/kg	1100	1100	5 U	62 U	3.6 U	110 U	120 U	4.2 U	52 U	230 U	58 U
Cyclohexane	ug/kg			5 UJ	62 UJ	3.6 U	110 UJ	120 UJ	4.2 U	31 J	230 U	58 U
Ethylbenzene	ug/kg	1000	1000	34	21 J	3.6 U	200	370	4.2 U	49 J	540	230
Isopropylbenzene (Cumene)	ug/kg			4.5 J	62 U	3.6 U	33 J	120 U	4.2 U	49 J	100 J	18 J
Methyl Acetate	ug/kg			25 U	150 J	18 U	540 U	590 U	21 U	260 U	1100 U	290 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	25 U	310 U	2.4 J	540 U	590 U	21 UJ	260 U	1100 U	290 U
Methylcyclohexane	ug/kg			1.8 J	47 J	3.6 U	110 UJ	120 UJ	4.2 U	52 U	300	150
Methylene Chloride	ug/kg	**50**	50	5 U	62 UJ	3.6 U	110 UJ	120 UJ	4.2 U	52 U	230 U	58 U
Styrene	ug/kg			5 U	62 U	3.6 U	110 U	120 U	4.2 U	52 U	230 U	58 U
Toluene	ug/kg	700	700	0.45 J	220	0.74 J	46 J	120 U	0.66 J	52 U	230 U	58 U
Xylenes	ug/kg	1600	260	8.6 J	170	7.2 U	140 J	200 J	8.3 U	100 U	200 J	82 J
SVOCs													
2,4-Dinitrotoluene	ug/kg			200 U	2000 U	2000 U	1000 U	200 U	1000 U	200 U	1100 U	200 U
2-Methylnaphthalene	ug/kg			120 J	2000 U	2000 U	1000 U	180 J	1000 U	200 U	5000	86 J
2-Methylphenol (O-Cresol)	ug/kg	330	330	200 U	2000 U	2000 U	1000 U	200 U	1000 U	200 U	1100 U	200 U
Acenaphthene	ug/kg	98000	20000	390	2000 U	2000 U	160 J	190 J	1000 U	210	5200	160 J
Acenaphthylene	ug/kg	107000	100000	58 J	1900 J	2000 U	1000 U	200 U	1000 U	200 U	2900	26 J
Benzo(A)Anthracene	ug/kg	**1000**	1000	100 J	**3900**	2000 U	120 J	200 U	1000 U	64 J	**2400**	25 J
Benzo(A)Pyrene	ug/kg	22000	1000	100 J	4100	2000 U	1000 U	200 U	1000 U	100 J	2500	200 U
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	50 J	**4500**	2000 U	170 J	200 U	1000 U	110 J	1500	200 U
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	47 J	3700	2000 U	1000 U	200 U	1000 U	77 J	1100	24 J
Benzo(K)Fluoranthene	ug/kg	**1700**	800	35 J	1300 J	2000 U	1000 U	200 U	1000 U	50 J	710 J	200 U
Benzyl Butyl Phthalate	ug/kg			200 U	2000 U	2000 U	1000 U	200 U	1000 U	200 U	1100 U	200 U
Biphenyl (Diphenyl)	ug/kg			94 J	2000 U	2000 U	1000 U	50 J	1000 U	200 U	2100	41 J
Caprolactam	ug/kg			200 U	2000 U	2000 U	1000 U	200 U	1000 U	200 U	1100 U	200 U
Carbazole	ug/kg			200 U	2000 U	2000 U	1000 U	200 U	1000 U	200 U	1100 U	200 U
Chrysene	ug/kg	**1000**	1000	90 J	**4700**	2000 U	1000 U	200 U	1000 U	70 J	**2100**	200 U
Dibenz(A,H)Anthracene	ug/kg	1000000	330	200 U	1000 J	2000 U	1000 U	200 U	1000 U	200 U	230 J	200 U
Dibenzofuran	ug/kg	210000	7000	27 J	2000 U	2000 U	1000 U	200 U	1000 U	200 U	1100 U	200 U
Di-N-Butyl Phthalate	ug/kg			200 U	2000 U	2000 U	1000 U	92 J	1000 U	200 U	1100 U	200 U
Fluoranthene	ug/kg	1000000	100000	310	3300	2000 U	150 J	61 J	1000 U	88 J	5400	38 J
Fluorene	ug/kg	386000	30000	330	2000 U	2000 U	1000 U	100 J	1000 U	81 J	4700	54 J
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	32 J	2700	2000 U	1000 U	200 U	1000 U	73 J	720 J	200 U
Naphthalene	ug/kg	**12000**	12000	170 J	330 J	2000 U	720 J	600	1000 U	180 J	6000	230
Phenanthrene	ug/kg	1000000	100000	1500	1700 J	2000 U	290 J	340	1000 U	150 J	16000	120 J
Pyrene	ug/kg	1000000	100000	450	5800	2000 U	200 J	94 J	1000 U	82 J	8300	48 J
Total SVOCs	ug/kg			4253	39680	0	1810	1789	0	1335	70760	852

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	Start Depth	Depth Unit	Sample ID	SDG	Matrix	Sample Date	Sample Type Code
				PDI-OFFSO-012	16-18.7	ft	PDI-OFFSO-012-16-18.7	4802146151	SO	11/6/2023	N
				PDI-OFFSO-013	5-7	ft	PDI-OFFSO-013-5-7	4802149151	SO	11/14/2023	N
				PDI-OFFSO-013	9-11	ft	PDI-OFFSO-013-9-11	4802149151	SO	11/14/2023	N
				PDI-OFFSO-013	13-15	ft	PDI-OFFSO-013-13-15	4802149151	SO	11/14/2023	N
				PDI-OFFSO-013	19-20	ft	PDI-OFFSO-013-19-20	4802149151	SO	11/14/2023	N
				PDI-OFFSO-014	7-8	ft	PDI-OFFSO-014-7-9	4802148611	SO	11/13/2023	N
				PDI-OFFSO-014	11-13	ft	PDI-OFFSO-014-11-13	4802148611	SO	11/13/2023	N
				PDI-OFFSO-014	17-19	ft	PDI-OFFSO-014-17-19	4802148611	SO	11/13/2023	N
				PDI-OFFSO-014	19-21.3	ft	PDI-OFFSO-014-19-21.3	4802148611	SO	11/13/2023	N
Metals											
Chromium III	mg/kg		30	12.9	25	16.8	18.1	12.1	13.6	12	11.2	12.4
Aluminum	mg/kg			13400	5120	11200	7690	11400	11000	10600	11300	12200
Antimony	mg/kg			1.6 J	18.4 U	18.1 U	17.6 U	17 U	19.1 U	3.1 J	19.6 U	17.5 U
Arsenic	mg/kg	**16**	13	10.5	**23.1**	7.5	**20.9**	11.2	5.3	**16.2**	8	10.2
Barium	mg/kg	820	350	39.6	46	46.7	31	39.3	48.9	31.4	37.8	39.9
Beryllium	mg/kg	47	7.2	0.73	0.37	0.46	0.4	0.68	0.44	0.46	0.66	0.69
Cadmium	mg/kg	**7.5**	2.5	0.057 J	0.23 J	0.14 J	0.11 J	0.23 U	0.06 J	0.13 J	0.05 J	0.23 U
Calcium	mg/kg			75700	24900	4180	5990	111000	19300	11100	149000	104000
Chromium, Total	mg/kg		30	12.9	25	16.8	18.1	12.1	13.6	12	11.2	12.4
Cobalt	mg/kg			9.1	6.8	7.5	6	8.7	4.3	6.4	10.1	7.8
Copper	mg/kg	**1720**	50	30.8	244	47.3	89	22.6	13.2	11.9	31.6	12.8
Iron	mg/kg			16900	29100	17900	20900	12300	14200	16400	12700	13900
Lead	mg/kg	**450**	63	13.9	160	51.5	63.9	27.4	45.8	45.5	32.5	32.8
Magnesium	mg/kg			27000	6330	3450	3110	13000	4600	6270	10400	17000
Manganese	mg/kg	2000	1600	459	308	208	160	498	250	196	656	425
Nickel	mg/kg	**130**	30	14.5	17.7	16.4	17.7	14.5	10.9	15.8	17.4	14.2
Potassium	mg/kg			6290	1350	1530	1450	5680	2530	1810	4680	5770
Selenium	mg/kg	4	3.9	4.6 U	1.5 J	4.8 U	4.7 U	4.5 U	5.1 U	0.59 J	5.2 U	4.7 U
Silver	mg/kg	**8.3**	2	0.56 J	0.42 J	0.72 U	0.7 U	0.68 U	0.76 U	0.7 U	0.78 U	0.7 U
Sodium	mg/kg			529	686	900	493	479	529	527	635	446
Thallium	mg/kg			6.9 U	7.4 U	7.2 U	7 U	6.8 U	7.6 U	7 U	7.8 U	7 U
Vanadium	mg/kg			20.8	14.2	20.7	17.5	16.3	20.7	19.6	14.5	16.7
Zinc	mg/kg	**2480**	109	21.4	222	58.7	72.9	31.9	36.4	42.5	59.8	35.4
Mercury	mg/kg	**0.73**	0.18	0.025 U	0.21	0.059	0.08	0.021 J	0.067	0.052	0.007 J	0.0095 J
Cyanide	mg/kg	40	27	1.1 U	0.81 J	1.1	0.86 J	1 J	1.2 U	0.69 J	1.6	1.1 U
PFAS												
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg			2.4 U	2.4 U	2.3 U	2.3 U	2.2 U	2.4 U	2.4 U	2.5 U	2.3 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg			2.4 U	2.4 U	2.3 U	2.3 U	2.2 U	2.4 U	2.4 U	2.5 U	2.3 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg			0.24 U	0.24 U	0.23 U	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U	0.23 U
Perfluorobutanoic Acid	ug/kg			0.95 U	0.95 U	0.91 U	0.91 U	0.87 U	0.95 U	0.96 U	0.98 U	0.94 U
Perfluoroheptanoic acid (PFHpA)	ug/kg			0.24 U	0.24 U	0.23 U	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U	0.23 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg			0.24 U	0.24 U	0.23 U	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U	0.23 U
Perfluorohexanoic acid (PFHxA)	ug/kg			0.24 U	0.24 U	0.23 U	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U	0.23 U
Perfluorononanoic acid (PFNA)	ug/kg			0.24 U	0.24 U	0.23 U	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U	0.23 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg			0.24 U	0.24 U	0.23 U	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U	0.23 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	1.0	0.88	0.24 U	0.24 U	0.23 U	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U	0.23 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	0.66	0.24 U	0.24 U	0.23 U	0.23 U	0.22 U	0.24 U	0.24 U	0.25 U	0.23 U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Unrestricted Use SCOs

Total SVOC criteria 500,000 ppb

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-015	PDI-OFFSO-015	PDI-OFFSO-015	PDI-OFFSO-016	PDI-OFFSO-016	PDI-OFFSO-016	PDI-OFFSO-017	PDI-OFFSO-017
				Start Depth	5-7	11-13	23-24.3	5-7	11-13	23-24.1	5-7	17-18.5
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-015-5-7	PDI-OFFSO-015-11-13	PDI-OFFSO-015-23-24.3	PDI-OFFSO-016-5-7	PDI-OFFSO-016-11-13	PDI-OFFSO-016-23-24.1	PDI-OFFSO-017-5-7	PDI-OFFSO-017-17-18.5
				SDG	4802147211	4802147211	4802147211	4802147211	4802147211	4802147211	4802145161	4802145161
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/8/2023	11/8/2023	11/8/2023	11/8/2023	11/8/2023	11/8/2023	11/3/2023	11/3/2023
				Sample Type Code	N	N	N	N	N	N	N	N
VOCs												
1,1,2,2-Tetrachloroethane	ug/kg			4.8 U	67 U	4.2 U	4.3 U	4.7 U	110 U	460 U	58 U
Acetone	ug/kg	**50**	50	11 J	330 U	21 U	**110**	12 J	540 U	2300 U	290 U
Benzene	ug/kg	**60**	60	59	67 U	4.2 U	0.27 J	4.7 U	110 U	460 U	**320**
Carbon Disulfide	ug/kg			4.8 U	120 J	4.2 U	4.3 U	4.7 U	110 UJ	460 U	58 U
Chlorobenzene	ug/kg	1100	1100	4.8 U	67 U	4.2 U	4.3 U	4.7 U	110 U	460 U	58 U
Cyclohexane	ug/kg			4.8 U	67 U	4.2 U	4.3 U	4.7 U	110 U	460 U	58 U
Ethylbenzene	ug/kg	1000	1000	1.9 J	71	4.2 U	4.3 U	4.7 U	86 J	460 U	110
Isopropylbenzene (Cumene)	ug/kg			4.3 J	70	4.2 UJ	4.3 UJ	4.7 UJ	85 J	460 U	46 J
Methyl Acetate	ug/kg			24 U	220 J	21 U	21 U	24 U	540 U	2300 U	290 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	24 U	330 U	21 U	21	24 U	540 U	2300 U	290 U
Methylcyclohexane	ug/kg			4.8 U	67 U	4.2 U	4.3 U	4.7 U	110 U	460 U	58 U
Methylene Chloride	ug/kg	**50**	50	4.8 U	**53 J**	4.2 U	4.3 U	4.7 U	**130 J**	460 U	**55 J**
Styrene	ug/kg			0.28 J	67 U	4.2 U	4.3 U	4.7 U	110 U	460 UJ	58 UJ
Toluene	ug/kg	700	700	0.46 J	37 J	4.2 U	4.3 U	4.7 U	110 U	460 U	87
Xylenes	ug/kg	1600	260	9.6 U	87 J	8.5 U	8.5 U	9.4 U	210 U	920 U	110 J
SVOCs												
2,4-Dinitrotoluene	ug/kg			1100 U	220 U	200 UJ	190 U	210 U	970 U	200 U	970 U
2-Methylnaphthalene	ug/kg			1100 U	220 U	200 UJ	190 U	210 U	970 U	6100	970 U
2-Methylphenol (O-Cresol)	ug/kg	330	330	1100 U	220 U	200 U	190 U	210 U	970 U	200 U	970 U
Acenaphthene	ug/kg	98000	20000	240 J	260	200 UJ	190 U	42 J	1700	200 U	520 J
Acenaphthylene	ug/kg	107000	100000	1100 U	33 J	200 UJ	190 U	210 U	430 J	200 U	970 U
Benzo(A)Anthracene	ug/kg	**1000**	1000	**1500**	180 J	200 UJ	190 U	210 U	**1100**	60 J	970 U
Benzo(A)Pyrene	ug/kg	22000	1000	1700	270	200 UJ	190 U	210 U	1000	61 J	970 U
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	1700	280	200 UJ	190 U	210 U	710 J	200	970 U
Benzo(G,H,I)Perylene	ug/kg	1000000	100000	1200	200 J	200 UJ	33 J	210 U	570 J	250	970 U
Benzo(K)Fluoranthene	ug/kg	**1700**	800	920 J	87 J	200 UJ	190 U	210 U	270 J	71 J	970 U
Benzyl Butyl Phthalate	ug/kg			1100 U	220 U	200 UJ	190 U	210 U	970 U	200 U	970 U
Biphenyl (Diphenyl)	ug/kg			1100 U	220 U	200 UJ	190 U	210 U	340 J	220	970 U
Caprolactam	ug/kg			1100 U	220 U	200 UJ	190 U	210 U	970 U	200 U	970 U
Carbazole	ug/kg			200 J	220 U	200 UJ	190 U	210 U	970 U	24 J	970 U
Chrysene	ug/kg	**1000**	1000	**1400**	170 J	200 UJ	190 U	210 U	1000	89 J	970 U
Dibenz(A,H)Anthracene	ug/kg	1000000	330	1100 U	220 U	200 UJ	190 U	210 U	970 U	200 U	970 U
Dibenzofuran	ug/kg	210000	7000	140 J	220 U	200 UJ	190 U	210 U	160 J	410	970 U
Di-N-Butyl Phthalate	ug/kg			1100 U	220 U	200 UJ	190 U	210 U	970 U	200 U	970 U
Fluoranthene	ug/kg	1000000	100000	2900	180 J	200 UJ	30 J	23 J	2800 J	94 J	240 J
Fluorene	ug/kg	386000	30000	200 J	88 J	88 J	190 U	210 U	1400	360	190 J
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	1100	170 J	200 UJ	190 U	210 U	330 J	200	970 U
Naphthalene	ug/kg	**12000**	12000	1100 U	84 J	200 UJ	190 U	210 U	310 J	440	230 J
Phenanthrene	ug/kg	1000000	100000	2400	65 J	130 J	190 U	210 U	5500 J	190 J	420 J
Pyrene	ug/kg	1000000	100000	2700	190 J	200 UJ	30 J	210 U	4100 J	73 J	280 J
Total SVOCs	ug/kg			18830	2257	218	93	65	23320	8842	1880

Table 5B
East Station PDI Report
Soil Analytical Summary - Detected Compounds
Offsite Soils

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Unrestricted SCO	Location ID	PDI-OFFSO-015	PDI-OFFSO-015	PDI-OFFSO-015	PDI-OFFSO-016	PDI-OFFSO-016	PDI-OFFSO-016	PDI-OFFSO-017	PDI-OFFSO-017
				Start Depth	5-7	11-13	23-24.3	5-7	11-13	23-24.1	5-7	17-18.5
				Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft
				Sample ID	PDI-OFFSO-015-5-7	PDI-OFFSO-015-11-13	PDI-OFFSO-015-23-24.3	PDI-OFFSO-016-5-7	PDI-OFFSO-016-11-13	PDI-OFFSO-016-23-24.1	PDI-OFFSO-017-5-7	PDI-OFFSO-017-17-18.5
				SDG	4802147211	4802147211	4802147211	4802147211	4802147211	4802147211	4802145161	4802145161
				Matrix	SO	SO	SO	SO	SO	SO	SO	SO
				Sample Date	11/8/2023	11/8/2023	11/8/2023	11/8/2023	11/8/2023	11/8/2023	11/3/2023	11/3/2023
				Sample Type Code	N	N	N	N	N	N	N	N
Metals												
Chromium III	mg/kg		30		23.2	14	11.5	12.3	15.7	9.4	10.4	12.3
Aluminum	mg/kg				5320	10800	10500	10300	15000 J	7030 J	8570	7700
Antimony	mg/kg				4.9 J	1.8 J	1.3 J	2.4 J	2 J	2.6 J	17.3 U	16.8 U
Arsenic	mg/kg	**16**	13		8.3	13.8	10.5	4.9	9.2	13.6 J	5.4	14.6
Barium	mg/kg	820	350		84	48.6	32.8	38.9	84.3	24.7 J	62.4	38.3
Beryllium	mg/kg	47	7.2		0.34	0.54	0.6	0.42	0.63	0.37	0.42	0.37
Cadmium	mg/kg	**7.5**	2.5		0.27	0.16 J	0.25 U	0.12 J	0.23 J	0.1 J	0.059 J	0.14 J
Calcium	mg/kg				28500	15700	96600	2090	5600	7870 J	28600	48700
Chromium, Total	mg/kg		30		23.2	14	11.5	12.3	15.7	9.4 J	10.4	12.3
Cobalt	mg/kg				4.5	7	6.3	6.6	7	7	4.8	5.6
Copper	mg/kg	**1720**	50		155	12.2	12.7	11.7	11.1	17	18.7	17.7
Iron	mg/kg				14300	13200	12900	14100	15400	12700	12200	14400
Lead	mg/kg	**450**	63		366	19.4	12.2	17.5	16.3	26.5 J	82.2	65
Magnesium	mg/kg				7930	4710	28100	2550	3580	3370	7210	8690
Manganese	mg/kg	2000	1600		306	419	441	317	878	153 J	416	452
Nickel	mg/kg	**130**	30		10.7	14.8	13.1	14.2	15.2	16.7	10.4	12.8
Potassium	mg/kg				1310	2930	5760	1760	2840	1700 J	2340	2330
Selenium	mg/kg	4	3.9		1.8 J	0.89 J	5 U	0.91 J	1.3 J	0.6 J	4.6 U	4.5 U
Silver	mg/kg	**8.3**	2		0.79 U	0.77 U	0.74 U	0.67 U	0.79 U	0.66 U	0.69 U	0.67 U
Sodium	mg/kg				225	624	461	76.1 J	689	348	497	477
Thallium	mg/kg				7.9 U	7.7 U	7.4 U	6.7 U	7.9 U	6.6 U	6.9 U	6.7 U
Vanadium	mg/kg				17.3	22	16.9	20.6	23.8	15.6	19.5	15.9
Zinc	mg/kg	**2480**	109		166	43.5	16	40.1	54.8	41.2	51.8	70.5
Mercury	mg/kg	**0.73**	0.18		**1**	0.075	0.01 J	0.16	0.089	0.014 J	0.26	0.028
Cyanide	mg/kg	40	27		1.2 U	1.2 U	3.1	1.1 U	0.94 J	1 J	0.61 J	0.67 J
PFAS												
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.5 U	2.5 U	0.24 J	2.2 U	2.4 U	2.3 U	2.3 U	2.2 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg				2.5 U	2.5 U	2.2 U	2.2 U	2.4 U	2.3 U	2.3 U	2.2 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg				0.25 U	0.25 U	0.22 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U
Perfluorobutanoic Acid	ug/kg				0.99 U	0.98 U	0.88 U	0.88 U	0.95 U	0.91 UJ	0.91 U	0.87 U
Perfluoroheptanoic acid (PFHpA)	ug/kg				0.25 U	0.25 U	0.22 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg				0.25 U	0.25 U	0.22 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U
Perfluorohexanoic acid (PFHxA)	ug/kg				0.25 U	0.25 U	0.22 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U
Perfluorononanoic acid (PFNA)	ug/kg				0.25 U	0.25 U	0.22 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg				0.25 U	0.25 U	0.22 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	1.0	0.88		0.25 U	0.25 U	0.22 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.8	0.66		0.25 U	0.25 U	0.22 U	0.22 U	0.24 U	0.23 U	0.23 U	0.22 U

Notes:

[1]Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

[2]PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.

N = normal sample; FD = field duplicate; SO = soil

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

U = Not detected above laboratory standard; UJ = Estimated and not detected at the value given;

J = estimated at the value given; J+ = estimated biased high at the value given

Value exceeds the NYCRR Protection of Groundwater SCOs

Value exceeds the NYCRR Unrestricted Use SCOs

Total SVOC criteria 500,000 ppb

Table 6
East Station PDI
Soil Geotechnical Summary

							Classification		Sample/Test Description	
Sample ID	**Depth (feet)**	**Description**	**Moisture Content (%)**	**Percent Gravel (%)**	**Percent Sand (%)**	**Percent Silt & Clay Size (%)**	**ASTM**	**AASHTO**	**Particle Shape**	**Hardness**
PDI-ONSO-002	7-9	Moist, brown silty sand	23.5	3.8	50.4	45.8	Silty Sand	Silty Soils	Angular	Hard
PDI-ONSO-008	21-23	Moist, brown silty sand and gravel	11.6	30.4	40.9	28.7	N/A	Silty Gravel and Sand	Angular	Hard
PDI-ONSO-016	9-11	Moist, dark brown silty sand with gravel	17.6	17.1	45.8	37.1	Silty Sand with Gravel	Silty Soils	Angular	Hard
PDI-ONSO-018	7-9	Moist, brown silty sand with gravel	12.8	16.5	33.6	49.9	N/A	Silty Soils	Angular	Hard
PDI-ONSO-019	2-3	Moist, brown silty sand	14.6	3.4	38.8	57.8	N/A	Silty Soils	-	-
PDI-ONSO-020	4-5	Moist, brown silty sand and gravel	4.5	41.6	34.7	23.7	N/A	Stone Fragments, Gravel and Sand	Angular	Hard
PDI-ONSO-021	13-14	Moist, brown silty sand and gravel	9.4	19.9	43.5	36.6	N/A	Silty Soils	Angular	Hard
PDI-ONSO-022	18-19	Moist, brown silty sand and gravel	9.8	37.6	48.2	14.2	N/A	Stone Fragments, Gravel and Sand	Angular	Hard
PDI-ONSO-023	10-11	Moist, brown sandy silty clay	14.4	11.1	32.6	56.3	Sandy Silty Clay	Silty Soils	Angluar	Hard
PDI-ONSO-026	7.5-9	Moist, brown clayey sand	19.6	8.9	42.6	48.5	Clayey Sand	Clayey Soils	Angular	Hard
PDI-EW-03	9-10.5	Moist, brown silty sand	13.3	5.6	57.7	36.7	N/A	Silty Soils	Angular	Hard
PDI-EW-03	21-23	Moist, grey silt with sand	20.4	1.5	20.3	78.2	N/A	Silty Soils	-	-

		Location ID	PDI-SED-001	PDI-SED-001	PDI-SED-002	PDI-SED-002	PDI-SED-003	PDI-SED-004	PDI-SED-004	PDI-SED-005	PDI-SED-006	PDI-SED-007	PDI-SED-008
		Sample ID	PDI-SED-001-0-6	PDI-SED-001-13-19	PDI-SED-002-0-6	PDI-SED-002-0-6-DUP	PDI-SED-003-0-8	PDI-SED-004-0-6	PDI-SED-004-0-6-DUP	PDI-SED-005-10-16	PDI-SED-006-17-23	PDI-SED-007-0-2	PDI-SED-008-16-22
		Start Depth	0	13	0	0	0	0	0	10	17	0	16
		End Depth	6	19	6	6	8	6	6	16	23	2	22
		Depth Unit	in	in	in	in	in	in	in	in	in	in	in
		Sample Date	10/23/2023	10/23/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/23/2023	10/23/2023	10/24/2023	10/23/2023
		SDG	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621
		Lab Sample Id	480-214162-2	480-214162-3	480-214162-10	480-214162-11	480-214162-12	480-214162-13	480-214162-14	480-214162-4	480-214162-5	480-214162-15	480-214162-6
		Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
		Sample Type Code	N	N	N	FD	N	N	FD	N	N	N	N
Chemical Name	Unit	NYSDEC Class C SGV											
2-Methylnaphthalene	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	250 J	1400 U	950 U
Acenaphthene	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	2100	1400 U	950 U
Acenaphthylene	ug/kg		220 U	40 J	1300 U	1300 U	1600 U	1300 U	1200 U	54 J	1100	1400 U	250 J
Anthracene	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	190	950	1400 U	300 J
Benzo(A)Anthracene	ug/kg		220 U	110 J	1300 U	1300 U	1600 U	1300 U	1200 U	310	3000	1400 U	1100
Benzo(A)Pyrene	ug/kg		36 J	110 J	1300 U	1300 U	1600 U	1300 U	1200 U	270	2400	360 J	980
Benzo(B)Fluoranthene	ug/kg		41 J	110 J	1300 U	1300 U	510 J	1300 U	1200 U	270	3400	540 J	1000
Benzo(G,H,I)Perylene	ug/kg		42 J	74 J	1300 U	1300 U	330 J	1300 U	1200 U	160 J	1500	350 J	680 J
Benzo(K)Fluoranthene	ug/kg		220 U	66 J	1300 U	1300 U	1600 U	1300 U	1200 U	180	1300	1400 U	410 J
Biphenyl (Diphenyl)	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U
Bis(2-Ethylhexyl) Phthalate	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U
Carbazole	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U
Chrysene	ug/kg		220 U	100 J	1300 U	1300 U	1600 U	1300 U	1200 U	270	2500	1400 U	1000
Dibenz(A,H)Anthracene	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	55 J	480 J	1400 U	230 J
Dibenzofuran	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	300 J	1400 U	950 U
Di-N-Butyl Phthalate	ug/kg		52 J	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U
Fluoranthene	ug/kg		86 J	200 J	360 J	220 J	630 J	1300 U	1200 U	660	6300	680 J	1500
Fluorene	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	550 J	1400 U	950 U
Indeno(1,2,3-C,D)Pyrene	ug/kg		37 J	63 J	1300 U	1300 U	300 J	1300 U	1200 U	150 J	1400	250 J	710 J
Naphthalene	ug/kg		220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	320 J	1400 U	950 U
Phenanthrene	ug/kg		220 U	63 J	1300 U	1300 U	1600 U	1300 U	1200 U	370	1900	240 J	1100
Pyrene	ug/kg		81 J	210 J	400 J	230 J	600 J	210 J	1200 U	550	6000	500 J	1800
Total PAHs	ug/kg	35,000	323	1146	760	450	2370	210	0	3489	35200	2920	11060

Table 7
East Station PDI
Sediment Analytical Results - Detected Compounds

			Location ID	PDI-SED-009		PDI-SED-010		PDI-SED-012		PDI-SED-013		PDI-SED-014		PDI-SED-014		PDI-SED-015		PDI-SED-017		PDI-SED-018		PDI-SED-019	
			Sample ID	PDI-SED-009-0-6		PDI-SED-010-0-8		PDI-SED-012-0-2		PDI-SED-013-0-3		PDI-SED-014-60-66		PDI-SED-014-66-72		PDI-SED-015-0-1		PDI-SED-017-0-1		PDI-SED-018-10-16		PDI-SED-019-0-2	
			Start Depth	0		0		0		0		60		66		0		0		10		0	
			End Depth	6		8		2		3		66		72		1		1		16		2	
			Depth Unit	in		in		in		in		in		in		in		in		in		in	
			Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/23/2023		10/25/2023	
			SDG	4802141621		4802141621		4802141621		4802141621		4802141871		4802141871		4802141621		4802141871		4802141621		4802141871	
			Lab Sample Id	480-214162-16		480-214162-17		480-214162-18		480-214162-20		480-214187-5		480-214187-4		480-214162-21		480-214187-1		480-214162-9		480-214187-8	
			Matrix	SE		SE		SE		SE		SE		SE		SE		SE		SE		SE	
			Sample Type Code	N		N		N		N		N		N		N		N		N		N	
Chemical Name	Unit	NYSDEC Class C SGV																					
2-Methylnaphthalene	ug/kg			3100	U	950	U	69	J	260	U	13000	U	27000		1500	U	2400	U	3900	U	2000	U
Acenaphthene	ug/kg			3100	U	950	U	730		57	J	5500	J	16000		1500	U	2400	U	19000		2000	U
Acenaphthylene	ug/kg			3100	U	950	U	60	J	260	U	12000	J	14000		1500	U	2400	U	3900		2000	U
Anthracene	ug/kg			3100	U	950	U	110	J	85	J	14000		23000		1500	U	2400	U	10000		2000	U
Benzo(A)Anthracene	ug/kg			3100	U	950	U	100	J	150	J	17000		30000		710	J	580	J	9200		620	J
Benzo(A)Pyrene	ug/kg			3100	U	400	J	140	J	190	J	19000		26000		720	J	710	J	9500		720	J
Benzo(B)Fluoranthene	ug/kg			3100	U	310	J	120	J	230	J	18000		28000		880	J	1100	J	9800		1000	J
Benzo(G,H,I)Perylene	ug/kg			440	J	310	J	96	J	180	J	13000		17000		520	J	650	J	7700		660	J
Benzo(K)Fluoranthene	ug/kg			3100	U	120	J	51	J	66	J	7900	J	12000	J	410	J	420	J	2900	J	480	J
Biphenyl (Diphenyl)	ug/kg			3100	U	950	U	190	U	260	U	13000	U	3400	J	1500	U	2400	U	3900	U	2000	U
Bis(2-Ethylhexyl) Phthalate	ug/kg			3100	U	950	U	190	U	260	U	13000	U	13000	U	1500	U	2400	U	3900	U	2000	U
Carbazole	ug/kg			3100	U	950	U	190	U	260	U	13000	U	2600	J	1500	U	2400	U	3900	U	2000	U
Chrysene	ug/kg			3100	U	950	U	150	J	210	J	20000		27000		860	J	840	J	9100		960	J
Dibenz(A,H)Anthracene	ug/kg			3100	U	950	U	190	U	260	U	3400	J	4100	J	1500	U	2400	U	2000	J	2000	U
Dibenzofuran	ug/kg			3100	U	950	U	66	J	260	U	2800	J	6400	J	1500	U	2400	U	2900	J	2000	U
Di-N-Butyl Phthalate	ug/kg			3100	U	950	U	190	U	260	U	13000	U	13000	U	1500	U	2400	U	3900	U	2000	U
Fluoranthene	ug/kg			770	J	440	J	350		390		32000		53000		1600	J	1400	J	19000		1700	J
Fluorene	ug/kg			3100	U	950	U	250		260	U	12000	J	23000		1500	U	2400	U	11000		2000	U
Indeno(1,2,3-C,D)Pyrene	ug/kg			3100	U	260	J	71	J	130	J	10000	J	14000		410	J	500	J	5900		540	J
Naphthalene	ug/kg			3100	U	950	U	190	U	260	U	13000	U	87000		280	J	2400	U	3900		2000	U
Phenanthrene	ug/kg			3100	U	950	U	190		250	J	27000		75000		1200	J	640	J	33000		690	J
Pyrene	ug/kg			3100	U	760	J	380		360		45000		67000		1300	J	1200	J	23000		1300	J
Total PAHs	ug/kg	35,000		1210		2600		2798		2298		255800		516100		8890		8040		178900		8670	

Table 7
East Station PDI
Sediment Analytical Results - Detected Compounds

			Location ID	PDI-SED-020		PDI-SED-020		PDI-SED-021		PDI-SED-022		PDI-SED-023		PDI-SED-024		PDI-SED-025		PDI-SED-026		PDI-SED-027		PDI-SED-028	
			Sample ID	PDI-SED-020-0-6		PDI-SED-020-10-16		PDI-SED-021-0-4		PDI-SED-022-66-72		PDI-SED-023-18-24		PDI-SED-024-3-5		PDI-SED-025-0-2		PDI-SED-026-0-3		PDI-SED-027-16-22		PDI-SED-028-14-20	
			Start Depth	0		10		0		66		18		3		0		0		16		14	
			End Depth	6		16		4		72		24		5		2		3		22		20	
			Depth Unit	in		in		in		in		in		in		in		in		in		in	
			Sample Date	10/23/2023		10/23/2023		10/25/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/23/2023	
			SDG	4802141621		4802141621		4802141871		4802141871		4802141871		4802141871		4802141621		4802141621		4802141871		4802141621	
			Lab Sample Id	480-214162-7		480-214162-8		480-214187-9		480-214187-7		480-214187-3		480-214187-6		480-214162-19		480-214162-22		480-214187-2		480-214162-1	
			Matrix	SE		SE		SE		SE		SE		SE		SE		SE		SE		SE	
			Sample Type Code	N		N		N		N		N		N		N		N		N		N	
Chemical Name	Unit	NYSDEC Class C SGV																					
2-Methylnaphthalene	ug/kg			980	U	1200	J	3000	U	10000		13000	U	19000	J	1000	U	1100	U	5800	U	1000	U
Acenaphthene	ug/kg			1100		19000		3000	U	9600		13000	U	14000	J	1000	U	1100	U	4200	J	2200	
Acenaphthylene	ug/kg			1500		3600		3000	U	1200	J	13000	U	4300	J	1000	U	1100	U	5800	U	800	J
Anthracene	ug/kg			1100		15000		3000	U	4000	J	13000	U	10000	J	1000	U	1100	U	5800	U	2100	
Benzo(A)Anthracene	ug/kg			2000		21000		1600	J	3400	J	3700	J	8400	J	1000	U	200	J	820	J	2200	
Benzo(A)Pyrene	ug/kg			3700		24000		1900	J	2700	J	3800	J	6900	J	1000	U	220	J	5800	U	2000	
Benzo(B)Fluoranthene	ug/kg			3100		21000		2600	J	2500	J	3400	J	7200	J	1000	U	250	J	5800	U	1800	
Benzo(G,H,I)Perylene	ug/kg			5300		20000		1600	J	1400	J	2300	J	4100	J	1000	U	150	J	5800	U	940	J
Benzo(K)Fluoranthene	ug/kg			1100		9900		1300	J	1200	J	2200	J	3800	J	1000	U	1100	U	5800	U	680	J
Biphenyl (Diphenyl)	ug/kg			980	U	720	J	3000	U	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
Bis(2-Ethylhexyl) Phthalate	ug/kg			980	U	2000	U	1700	J	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
Carbazole	ug/kg			980	U	4300		3000	U	1700	J	13000	U	25000	U	1000	U	1100	U	780	J	390	J
Chrysene	ug/kg			2100		18000		2400	J	3100	J	3800	J	8200	J	1000	U	1100	U	5800	U	2100	
Dibenz(A,H)Anthracene	ug/kg			790	J	3800		3000	U	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	260	J
Dibenzofuran	ug/kg			450	J	7900		3000	U	1300	J	13000	U	25000	U	1000	U	1100	U	770	J	730	J
Di-N-Butyl Phthalate	ug/kg			980	U	2000	U	3000	U	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
Fluoranthene	ug/kg			5200		63000		4600		6800		5500	J	17000	J	1000	U	290	J	1600	J	5000	
Fluorene	ug/kg			880	J	12000		3000	U	4800	J	13000	U	11000	J	1000	U	1100	U	2100	J	2000	
Indeno(1,2,3-C,D)Pyrene	ug/kg			3600		16000		1400	J	1200	J	1900	J	3600	J	1000	U	1100	U	5800	U	920	J
Naphthalene	ug/kg			980	U	8700		3000	U	17000		13000	U	27000		1000	U	1100	U	1100	J	1000	U
Phenanthrene	ug/kg			3500		61000		1800	J	14000		2500	J	34000		1000	U	190	J	5200	J	6700	
Pyrene	ug/kg			4200		54000		3400		7600		6400	J	18000	J	1000	U	300	J	1900	J	4400	
Total PAHs	ug/kg	35,000		39170		370000		22600		80500		35500		177500		0		1600		16920		34100	

Notes:

exceedance of Class C sediment critieria

[1]Sediment Guisance Values (SGVs) from Screening and Assessment of Contaminated Sediment. New York State Department of Environmental Conservation Division of Fish, Wildlife and Marine Resources Bureau of Habitat. June 24, 2014.

N = normal sample; FD = field duplicate; SE = Sediment

mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram

UJ = Estimated and not detected at the value given; J = estimated at the value given; J+ = estimated biased high at the value given; U = Not detected

Table 8
East Station PDI Report
Sediment Geotechnical Results

						Classification		Sample/Test	
Sample ID	**Depth (feet)**	**Description**	**Percent Gravel (%)**	**Percent Sand (%)**	**Percent Silt & Clay Size (%)**	**ASTM**	**AASHTO**	**Particle Shape**	**Hardness**
PDI-SED-005	0-16	Moist, brown sand with silt and gravel	31.9	60.1	8	N/A	Stone Fragments, Gravel and Sand	Angular	Hard
PDI-SED-006	0-23	Moist, brown silty sand	0.3	56.7	43	N/A	Silty Soils	-	-
PDI-SED-008	0-22	Moist, brown sand with silt and gravel	16.2	50.6	33.2	N/A	Silty Gravel and Sand	Angular	Hard
PDI-SED-022	0-66	Moist, brown silty sand	4.5	63	32.5	N/A	Silty Gravel and Sand	-	-
PDI-SED-023	0-18	Moist, dark brown silty sand	14.9	63.3	21.8	N/A	Silty Gravel and Sand	Angular	Hard
PDI-SED-027	10-16	Moist, dark brown silty sand with gravel	16.6	55.4	28	N/A	Silty Gravel and Sand	Angular	Hard
PDI-SED-028	0-33	Moist, brown sand	0.1	95.1	4.8	Poorly Graded Sand	Fine Sand	Angular	Hard

Table 9
East Station PDI
Well Reconnaisance Summary

Well	Comments	Observable Product?	DTW (ft)	DTB (ft)	PID (ppm)
DW-10-01G	present, well cap present, odor on probe, able to be sampled shares casing with R+M	No	31.45	152.85	0.0
DW-10-01M	present, well cap present, probe malfunctioned, product on bottom 4 feet of probe, shares casing with R+G	Yes	30.36	19.95	0.0
DW-10-01R	present, well cap present, odor on probe, able to be sampled shares casing with G+M	No	31.42	92.89	0.0
DW-10-02G	shares casing w/Q, cap present, able to be sampled	No	17.25	139.69	0.0
DW-10-02Q	shares casing w/G cap present, able to be sampled	No	17.45	159.48	0.0
DW-10-03G	shares casing w/R+M J-Plug present, able to be sampled, faint odor	No	11.31	128.9	0.2
DW-10-03M	shares casing w/R+G cap present, smell on tape, able to be sampled	No	8.78	83.51	0.2
DW-10-03R	shares casing w/M+G cap present, odor, able to be sampled	No	8.56	68.02	8.7
DW-10-04G	located, inside nested 10" casing	No	20.39	147.7	0.0
DW-10-04M	located, inside nested 10" casing	No	20.15	104.88	0.1
DW-10-04R	located inside nested 10" casing; ! 2.5' of NAPL present	Yes	19.5	85.74	0.2
DW-10-05G	intact, cap present, able to sample	No	32.12	152.68	0.2
DW-10-06G	share case with Q, intact, odor, able to be sampled	No	49.75	163.36	16.7
DW-10-06Q	shares case with G, intact odor, able to be sampled	No	50.35	183.8	0.4
DW-10-07G	intact, tape read as 20 ft of product but tape looked clean, shares casing 10-07M	No	24.8	125	0.0
DW-10-07M	intact J-Plug, strong odor, lock portion of casing broken, shares casing with 10-07G, brown substance on stickup	No	24.4	119.3	0.7
DW-10-08G	W/M+R, intact J plug, reads as oil but tape is clean	No	39.64	40.5	0.0
DW-10-08M	w/R+G, J-Plug, reads oil but tape is clean but with strong odor	No	37.02	117.65	0.0
DW-10-08R	w/G+M, J-Plug present, sample able, reads oil but tape is clean with odor	No	36.88	98.5	0.0
DW-10-09G	intact, very faint odor, able to be sampled	No	47.78	178.9	0.0
DW-10-09M	intact, able ot be sampled, reads as oil but tape is clear	No	52.02	52.8	0.0
DW-12-01G	sampleable	No	13.45	134.31	0.0
DW-12-01M	nested with 01R, sampleable	No	10.8	86.79	0.1
DW-12-01Q	sampleable	No	13.83	163.5	0.0
DW-12-01R	nested with 01M, sampleable	No	10.81	69.74	0.1
DW-12-02I	product noted; approximately 3.0 ft of product`	Yes	18.88	46.84	2.0
DW-12-02M	sampleable	No	34.87	106.6	0.0
DW-12-03G	unable to locate	-	-	-	-
DW-12-03M	unable to locate	-	-	-	-
DW-12-06M	shares casing w/R cap present, able to be sampled, tape has strong smell	No	16.29	92.05	0.0
DW-12-06R	shares casing w/M cap present, able to be sampled, tape has odor	No	16.22	72	0.2
DW-12-07I	shares casing with 07R, intact J-Plug, , faint odor, stronger on probe	No	27.95	68.71	10.3
DW-12-07R	shares casubg with I, intact J-Plug, probe was clean but had strong odor	No	33.32	91.55	0.3
DW-12-08R	intact, J-plug present, sample-able, probe had strong smell on it	Yes	22.58	101.92	0.0
DW-12-09M	shares casing w/R, cap present, some brown near top of well	No	24.2	103.02	0.1
DW-12-09R	shares casing with M, cap present, well top is brown, bottom 2' of probe has brown product, strong smell	Yes	23.69	86.22	7.3
DW-1R	NAPL	Yes	10.25	35.21	0.0

Table 9
East Station PDI
Well Reconnaisance Summary

Well	Comments	Observable Product?	DTW (ft)	DTB (ft)	PID (ppm)
DW-3R	present, w/ Plug, top of PVC is black, bottom 2 FT has product on tape	Yes	14.8	29.01	25.4
DW-5	intact, cap present, able to be sampled	No	34.8	58.85	0.0
MW-1	unable to locate	-	-	-	-
MW-2R	present, j-plug present, able to sample	No	10.84	17.74	0.0
MW-3DR	sampleable	No	10.21	35.25	0.0
MW-4R	casing present, probe has slight odor, sample-able	No	10.1	18.18	0.0
MW-5R	intact, plug present, black on stickup, probe has product on it at water interface	Yes	16.26	31.16	48.8
MW-6	present, faint odor on probe, able to sampled	No	11.11	23.68	0.0
MW-6D	intact, cap present, able to be sampled	No	15.25	49	0.0
MW-7	intact, cap present, covered in dead wasps, able to be sampled	No	17.3	28.62	0.0
MW-8DR	intact, J-Plug, sample-able, strong odor	No	17.78	38.6	34.8
PZ-01R	J-Plug present, intact, sample-able, strong odor	No	19.21	22.45	63.1
PZ-1	present	No	13.41	19.5	0.0
PZ-10	unable to locate	-	-	-	-
PZ-11	unable to locate	-	-	-	-
PZ-12	present, unprotected stickup PVC	No	10.85	19.46	0.0
PZ-13	unable to be sampled, blocked at top	-	-	-	-
PZ-14	present, no cap, 1 inch pvc sticking out of ground, dry, full of ants	No		7.5	0.0
PZ-16	unable to locate	-	-	-	-
PZ-18	unable to locate	-	-	-	-
PZ-20	unable to locate	-	-	-	-
PZ-5	unable to locate	-	-	-	-
PZ-9	unable to locate	-	-	-	-
RW-1	Present, open casing with metal cap, sample able	-	15.3	23.69	0.0
RW-10	casing broken, slight odor, tape has strong odor, open 6 inch pipe, casing intact, cap present	No	6.63	17.53	0.0
RW-11	casing cap broken, protective cap present, slight odor+sheen on water, bottom feels thick, DNAPL bottom 1.8 FT	Yes	5.3	19.51	0.0
RW-12	Yellow Jacket nest present, unable to be sampled	No	6.68	18.1	0.0
RW-13	present	No	7.72	20.8	0.1
RW-14	present, broken lid	No	5.1	12.4	0.1
RW-15	unable to locate	-	-	-	-
RW-16	unable to locate	-	-	-	-
RW-17	unable to locate	-	-	-	-
RW-18	unable to locate	-	-	-	-
RW-19	unable to locate	-	-	-	-
RW-2	Present, open casing with metal cap, sample able, outer casing lid broken, smell on probe	No	15.09	23.44	0.0
RW-20	present, protective casing cap broken, open 6 inch pipe	No	7.2	18.91	0.0
RW-21	present	No	5.99	22.2	0.0
RW-22	casing present, casing cap broken, well "cap" present, open 6" pipe	No	4	24	0.0
RW-23	intact, cap present, able to be sampled12-inch casing	No	12.42	28.2	0.0

Table 9
East Station PDI
Well Reconnaisance Summary

Well	Comments	Observable Product?	DTW (ft)	DTB (ft)	PID (ppm)
RW-3	Yellow Jacket nest present, unable to be sampled	No			
RW-4	present, 6" open casing with metal cap	No	13.3	na	0.0
RW-5	present, well "cap" present, protective cap broken, open 6 inch pipe, odor	No	13.09	17.81	0.0
RW-5R	unable to locate	-	-	-	-
RW-6	present, no protective cap, open 6 inch	No	11.4	11.79	0.0
RW-7	present, casing cap broken, cap present, black material on probe	Yes	11.41	20.2	0.0
RW-8	intact, 6 inch pipe, well "cap" present	No	9.02	17.25	0.0
RW-9	present, protective casing cap broken, open 6 inch pipe	No	8.03	18.05	0.0
SW-10-01	unable to locate	-	-	-	-
SW-10-02	intact, no cap present, tubing was down hole	No	9.92	24.4	0.0
SW-10-06	intact, cap present, black sludge at very tip of probe	Yes	10.9	26.59	3.8
SW-10-07	intact, well cap present, able to be sampled	No	12.6	24.74	0.0
SW-10-08	intact, cap present, able to be sampled	No	13.1	20.59	0.0
SW-10-09	intact, cap present	No	18.9	30.73	0.0
SW-10-10	intact, J-Plug present, sample-able	No	17.79	25.11	0.0
SW-10-12	needs j-plug	No	-	-	-
SW-10-14	casing present, PVC is black at top with strong odor, bottom 2.4 FT of tape is black	No	14.2	22.45	9.1
SW-10-15	intact, cap present, sample-able, plant material on end of probe	No	20.02	26.28	0.0
SW-10-16	no plug present, present, able to be sampled	No	8.78	17.49	0.0
SW-10-21	unable to locate	-	-	-	-
SW-12-01	no plug	No	11	23.1	0.0
SW-12-04	flush mount	No	4.8	15.65	0.0
SW-12-05	located; sampleable	No	11.65	26.94	0.4
SW-12-06	sampleable	No	16.24	36.7	0.1
SW-12-10	no comments	No	9.78	14.5	0.0
SW-12-13	sampleable	No	11.64	20.2	0.1
SW-12-20	intact, J-plug present, sampleable	No	18.16	72.91	0.0
SW-12-21	Intact J plug, faint odor, sampleable	No	19.43	30.35	0.0
SW-4	damaged; not sampleable	-	-	-	-
SW-5	intact, present, dry	No	34.8	35.6	0.0
TPMW-1	located; sampleable	No	16.78	22.05	0.0
TPMW-2	located; sampleable	No	14.35	25.02	0.0

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

		Well/Sample ID	DW-5	DW-10-01R	DW-10-02G	DW-10-03M	DW-10-03R	DW-10-04M	DW-10-06G	DW-10-06G	DW-10-08R
		Start Depth	40.5	80	127	71	55	91	149	149	100
		End Depth	50.5	90	137	81	65	101	159	159	110
		Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
		Sample Date	1/8/2024	12/19/2023	12/20/2023	12/21/2023	12/21/2023	1/8/2024	12/20/2023	12/21/2023	12/21/2023
		SDG	4802162691	4802159071	4802159351	4802159801	4802159801	4802162691	4802159351	4802159801	4802159801
		Lab Sample Id	480-216269-2	480-215907-1	480-215935-1	480-215980-4	480-215980-3	480-216269-3	480-215935-4	480-215980-1	480-215980-2
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
		Sample Type Code	N	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA[1]									
VOCs											
Acetone	ug/L	50	500	500 U	8000 U	4000 U	4000 U	1000 U	170		200 U
Benzene	ug/L	1	90	1800	54000	27000	34000	3100	36		650
Bromodichloromethane	ug/L	50	5 U	50 U	800 U	400 U	400 U	100 U	1 U		20 U
Carbon Disulfide	ug/L	60	110	50 UJ	800 U	400 U	400 U	100 U	1 U		20 U
Chlorobenzene	ug/L	5	5 U	50 U	800 U	400 U	400 U	100 U	1 U		20 U
Chloroethane	ug/L	5	5 U	50 U	800 U	400 U	400 U	100 U	0.92 J		20 U
Chloroform	ug/L	7	5 U	50 U	800 U	400 U	400 U	100 U	1 U		20 U
Cyclohexane	ug/L		5 U	50 UJ	800 U	400 U	400 U	100 U	0.5 J		20 U
Ethylbenzene	ug/L	5	33	50 U	1200	2200	3700	120	1 U		110
Isopropylbenzene (Cumene)	ug/L		4.3 J	50 U	800 U	400 U	400 U	100 U	1 U		20 U
Methyl Ethyl Ketone (2-Butanone)	ug/L	50	140	500 U	8000 U	4000 U	4000 U	1000 U	33		200 U
Methylcyclohexane	ug/L		5 U	50 U	800 U	400 U	400 U	100 U	0.18 J		20 U
Styrene	ug/L	5	5 U	270	7300	400 U	400 U	100 U	1 U		83
Toluene	ug/L	5	42	1300	27000	400 U	1600	150	2.1		190
Trichloroethylene (TCE)	ug/L	5	5 U	50 U	800 U	400 U	400 U	100 U	1 U		20 U
Xylenes	ug/L	5	63	250	7100	540 J	1900	270	2 U		130
SVOCs											
2,4-Dimethylphenol	ug/L	1	970	130 U	220 J	35	53	8		28 U	1 J
2-Methylnaphthalene	ug/L		250 U	130 U	130 J	23	160 J	7.7		28 U	17
2-Methylphenol (O-Cresol)	ug/L		1400	130 U	75 J	5.2 U	20	5.2 U		28 U	5.7 U
4-Methylphenol (P-Cresol)	ug/L		1600	250 U	70	8 J	14	0.88 J		57 U	7.8 J
Acenaphthene	ug/L	20	250 U	130 U	4.6 J	76 J	89 J	0.71 J		28 U	3.2 J
Acenaphthylene	ug/L		250 U	130 U	69	3.2 J	9.4	9.7		28 U	2.8 J
Acetophenone	ug/L		600	130 U	12	5.2 U	5.4 J	3.4 J		3.6 J	5.7 U
Anthracene	ug/L	50	250 U	130 U	1.2 J	1.1 J	5.7 U	5.2 U		28 U	5.7 U
Benzaldehyde	ug/L		250 U	130 U	8	5.2 U	5.7 U	5.2 U		28 U	0.91 J
Benzo(A)Anthracene	ug/L	0.002	250 U	130 U	5.7 U	5.2 U	5.7 U	5.2 U		28 U	5.7 U
Benzo(A)Pyrene	ug/L		250 U	130 U	5.7 U	5.2 U	5.7 U	5.2 U		28 U	5.7 U
Biphenyl (Diphenyl)	ug/L		250 U	130 U	7.2	15	18	0.74 J		28 U	5.7 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	1	250 U	130 U	5.7 U	5.2 U	5.7 U	5.2 U		28 U	5.7 U
Caprolactam	ug/L		250 U	130 U	5.7 U	5.9	5.7 U	6.8		28 U	5 J
Carbazole	ug/L		250 U	130 U	7.7	8.9	9.2	0.7 J		28 U	5.7 U
Chrysene	ug/L	0.002	250 U	130 U	5.7 U	5.2 U	5.7 U	5.2 U		28 U	5.7 U
Dibenzofuran	ug/L		500 U	250 U	1.3 J	1.8 J	2.3 J	10 U		57 U	11 U
Fluoranthene	ug/L	50	250 U	130 U	0.5 J	5.2 U	5.7 U	5.2 U		28 U	5.7 U
Fluorene	ug/L	50	250 U	130 U	8.7	12	16	0.54 J		28 U	0.48 J
Naphthalene	ug/L	10	430	380	2200	1500	2900	190		28 U	260
N-Nitrosodiphenylamine	ug/L	50	250 U	130 U	5.7 U	5.2 U	5.7 U	5.2 U		28 U	5.7 U
Pentachlorophenol	ug/L	1	500 U	250 U	11 U	10 U	11 U	10 U		57 U	11 U
Phenanthrene	ug/L	50	250 U	130 U	5.5 J	7.4	10	5.2 U		28 U	5.7 U
	ug/L	1	940	130 U	11	57	68	22		3.2 J	5.7 U
Pyrene	ug/L		250 U	130 U	0.76 J	5.2 U	0.57 J	5.2 U		28 U	5.7 U
1,4-Dioxane (P-Dioxane)	ug/L	0.35	1.9	0.24 U	0.23 U	0.17 J	0.13 J	0.21 U		0.24 U	0.2 U

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

Chemical Name	Unit	NYSDEC Class GA[1]	Well/Sample ID		DW-5		DW-10-01R		DW-10-02G		DW-10-03M		DW-10-03R		DW-10-04M		DW-10-06G		DW-10-06G		DW-10-08R	
			Start Depth		40.5		80		127		71		55		91		149		149		100	
			End Depth		50.5		90		137		81		65		101		159		159		110	
			Depth Unit		ft		ft		ft		ft		ft		ft		ft		ft		ft	
			Sample Date		1/8/2024		12/19/2023		12/20/2023		12/21/2023		12/21/2023		1/8/2024		12/20/2023		12/21/2023		12/21/2023	
			SDG		4802162691		4802159071		4802159351		4802159801		4802159801		4802162691		4802159351		4802159801		4802159801	
			Lab Sample Id		480-216269-2		480-215907-1		480-215935-1		480-215980-4		480-215980-3		480-216269-3		480-215935-4		480-215980-1		480-215980-2	
			Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG	
			Sample Type Code		N		N		N		N		N		N		N		N		N	
Oil & Grease, Total Rec																						
Oil & Grease, Total Rec	mg/L			4.9	U	5.3	U	1.6	J	5.5	U	2.9	J	1.9	J			1.5	J	5	U
Nutrients																						
Sulfate (As SO4)	mg/L	250		261		297	J	1000	U	1230		1590		468				263	J	165	
Nitrogen, Nitrate (As N)	mg/L			1.1		0.048	J	0.05	U	0.05	U	0.05	U	0.05	U			0.15		1.4	
Nitrogen, Nitrate-Nitrite	mg/L			1.1		0.048	J	0.05	U	0.05	U	0.05	U	0.05	U			0.15	J	1.4	
Nitrogen, Nitrite	mg/L			0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U			0.05	UJ	0.02	J
Ethane	ug/L			9.3		50		540	J	570	J	680		1.5	J	1700				170	U
Ethene	ug/L			7	U	7	U	620	U	620	U	620	U	7	U	620	U			150	U
Methane	ug/L			400		330		13000		9500		11000		430		15000				720	
Metals																						
Aluminum	mg/L			0.2	U	2.1		1.6	J	0.6		0.67		0.14	J			1	U	0.2	U
Arsenic	mg/L	0.025		0.015	U	0.025		0.3	U	0.015	U	0.015	U	0.0068	J			0.12		0.015	U
Barium	mg/L	1		0.23		1.5		1.9		0.086		0.054		0.65				1.1		0.16	
Cadmium	mg/L	0.005		0.002	U	0.002	U	0.04	U	0.002	U	0.002	U	0.002	U			0.1	U	0.002	U
Calcium	mg/L			217		2520		9150		602		767		671				16500		314	
Chromium, Total	mg/L	0.05		0.65		0.0021	J	0.08	U	0.0021	J	0.0018	J	0.0012	J			0.02	U	0.004	U
Cobalt	mg/L			0.0063		0.0033	J	0.08	U	0.0011	J	0.00066	J	0.004	U			0.2	U	0.004	U
Copper	mg/L	0.2		0.031		0.025	J	0.1	J	0.0066	J	0.0092	J	0.01	U			0.15	J	0.0019	J
Iron	mg/L	0.3		2.2		5.4		62		2.6		1.4		9.2				0.7		9.2	
Lead	mg/L	0.025		0.01	U	0.05	U	0.11	J	0.01	U	0.01	U	0.01	U			0.24	J	0.01	U
Magnesium	mg/L	35		74.5		230		862		58.5		64.9		96.1				1550		32.1	
Manganese	mg/L	0.3		0.054		1.2		7.5		0.16		0.12		0.44				5.5		0.27	
Nickel	mg/L	0.1		0.25		0.05	U	0.21		0.01	U	0.01	U	0.01	U			0.5	U	0.01	U
Potassium	mg/L			35.7		348		475		89.9		73.9		164				1250		110	
Selenium	mg/L	0.01		0.025	U	0.025	U	0.5	U	0.025	U	0.025	U	0.025	U			0.13	U	0.025	U
Sodium	mg/L	20		1910		12200		27700		3310		2690		5280				50300		3340	
Vanadium	mg/L			0.005	U	0.005	U	0.1	U	0.005	U	0.005	U	0.005	U			0.025	U	0.005	U
Zinc	mg/L	2		0.0036	J	0.0099	J	0.29		0.005	J	0.0054	J	0.005	J			0.05	U	0.01	U
Mercury	mg/L	0.0007		4.3E-05	J	0.0004	U	0.006	U	0.0002	U	0.0002	U	0.0004	U			0.006	U	0.0004	U
PFAS																						
Perfluoro(2-ethoxyethane)sulfonic acid	ng/l			4.5	U	20	U	20	U	5.1	U	5.4	U	25	U	20	U			5	U
Perfluorobutanesulfonic acid (PFBS)	ng/l			3.5		10	U	10	U	2	U	2.2	U	10	U	9.9	U			2	U
Perfluorobutanoic Acid	ng/l			18		40	U	40	U	14		17		5	J	40	U			3.3	
Perfluoroheptanoic acid (PFHpA)	ng/l			4.9		10	U	10	U	0.34	J	0.35	J	10	U	9.9	U			2	U
Perfluorohexanesulfonic acid (PFHxS)	ng/l			4.2		10	U	10	U	0.8	J	0.62	J	10	U	9.9	U			2	U
Perfluorohexanoic acid (PFHxA)	ng/l			7.6		10	U	10	U	2	U	2.2	U	10	U	9.9	U			2	U
Perfluorononanoic acid (PFNA)	ng/l			0.84	J	10	U	10	U	2	U	2.2	U	10	U	9.9	U			2	U
Perfluorooctane Sulfonamide (FOSA)	ng/l			0.18	JN	10	U	10	U	2	U	2.2	U	10	U	9.9	U			2	U
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7		7		10	U	10	U	1.1	J	1.4	J	10	U	9.9	U			2	U
Perfluorooctanoic acid (PFOA)	ng/l	6.7		8		10	U	10	U	1	J	0.95	J	10	U	9.9	U			0.79	J
Perfluoropentanesulfonic Acid (PFPeS)	ng/l			1.8	U	10	U	10	U	2	U	2.2	U	10	U	9.9	U			2	U
Perfluoropentanoic Acid (PFPeA)	ng/l			12		20	U	20	U	1.1	JN	0.97	J	10	U	20	U			2	U

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

		Well/Sample ID	DW-5	DW-10-01R	DW-10-02G	DW-10-03M	DW-10-03R	DW-10-04M	DW-10-06G	DW-10-06G	DW-10-08R
		Start Depth	40.5	80	127	71	55	91	149	149	100
		End Depth	50.5	90	137	81	65	101	159	159	110
		Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
		Sample Date	1/8/2024	12/19/2023	12/20/2023	12/21/2023	12/21/2023	1/8/2024	12/20/2023	12/21/2023	12/21/2023
		SDG	4802162691	4802159071	4802159351	4802159801	4802159801	4802162691	4802159351	4802159801	4802159801
		Lab Sample Id	480-216269-2	480-215907-1	480-215935-1	480-215980-4	480-215980-3	480-216269-3	480-215935-4	480-215980-1	480-215980-2
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
		Sample Type Code	N	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA[1]									
TOC											
Total Organic Carbon	mg/L		2.7	1 U	1 U	3.3	4.1	1.2	0.9 J		0.5 J

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998. Shaded values indicate exceedance.

Sample Type Code: N = Normal Environmental Sample, FD = Field Duplicate. Matrix Code: WG = Groundwater.

Qualifiers: J = Estimated value,J+ = Estimate biased high, UJ = Approximate Non-detect, U = Not Detected at the Detection Limit shown, N= presumptive evidence at value given.

Sample IDs in this PDI Report have been abbreviated to reference well IDs only. For example, "PDI-OFFGW-DW-12-01M-MMDDYY" has been truncated to "DW-12-01M"

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

Chemical Name	Unit	NYSDEC Class GA[1]	Well/Sample ID		DW-12-01M		DW-12-01R		DW-12-02M		DW-12-06R		DW-12-07R		DW-12-07I		DW-12-09M		MW-2R		MW-3DR	
			Start Depth		74		8.5		90		59		82.5		55.4		90		10.5		23.2	
			End Depth		84		18.5		105		69		92.5		65.4		100		15.5		33.2	
			Depth Unit		ft		ft		ft		ft		ft		ft		ft		ft		ft	
			Sample Date		1/9/2024		1/9/2024		1/9/2024		12/19/2023		12/20/2023		12/19/2023		12/21/2023		1/8/2024		1/10/2024	
			SDG		4802163091		4802163091		4802163091		4802159071		4802159351		4802159071		4802159801		4802162691		4802163341	
			Lab Sample Id		480-216309-4		480-216309-2		480-216309-1		480-215907-3		480-215935-3		480-215907-2		480-215980-5		480-216269-4		480-216334-2	
			Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG	
			Sample Type Code		N		N		N		N		N		N		N		N		N	
VOCs																						
Acetone	ug/L	50		800	U	5000	U	53		1000	U	2000	U	500	U	1000	U	10	U	4000	U
Benzene	ug/L	1		2600		19000		150		4900		6700		2300		2700		1	U	10000	
Bromodichloromethane	ug/L	50		80	U	500	U	5	U	100	U	200	U	50	U	100	U	1	U	400	U
Carbon Disulfide	ug/L	60		80	U	500	U	5	U	100	UJ	200	U	13	J	100	U	1	U	400	U
Chlorobenzene	ug/L	5		80	U	500	U	5	U	100	U	200	U	50	U	100	U	1	U	400	U
Chloroethane	ug/L	5		80	U	500	U	5	U	100	U	200	U	50	U	100	U	1	U	400	U
Chloroform	ug/L	7		80	U	500	U	5	U	100	U	200	U	50	U	100	U	1.1		400	U
Cyclohexane	ug/L			80	U	500	U	5	U	100	UJ	200	U	38	J	100	U	1	U	400	U
Ethylbenzene	ug/L	5		1200		6300		5	U	2800		240		1500		4800		1	U	4600	
Isopropylbenzene (Cumene)	ug/L			80	U	500	U	5	U	85	J	200	U	90		140		1	U	400	U
Methyl Ethyl Ketone (2-Butanone)	ug/L	50		800	U	5000	U	50	U	1000	U	2000	U	500	U	1000	U	10	U	4000	U
Methylcyclohexane	ug/L			80	U	500	U	5	U	100	U	200	U	32	J	100	U	1	U	400	U
Styrene	ug/L	5		80	U	500	U	3.7	J	100	U	200	U	50	U	100	U	1	U	1500	
Toluene	ug/L	5		56	J	680		41		68	J	200	U	130		110		1	U	6800	
Trichloroethylene (TCE)	ug/L	5		80	U	500	U	5	U	100	U	200	U	50	U	100	U	1	U	400	U
Xylenes	ug/L	5		1000		4000		11		2700		400	U	700		4300		2	U	5200	
SVOCs																						
2,4-Dimethylphenol	ug/L	1		5.2	J	26	U	5	U	12		23		24	J	1000	U	5	U	250	U
2-Methylnaphthalene	ug/L			180		680	J	5	U	730	J	19		100	U	810	J	5	U	330	
2-Methylphenol (O-Cresol)	ug/L			25	U	5.3	J	5	U	5	U	19		100	U	1000	U	5	U	250	U
4-Methylphenol (P-Cresol)	ug/L			50	U	52	U	10	U	2.6	J	12		210	U	2000	U	10	U	500	U
Acenaphthene	ug/L	20		32		140		5	U	140	J	1.9	J	140		140	J	5	U	38	J
Acenaphthylene	ug/L			25	U	14	J	5	U	5.3		15		34	J	11		5	U	110	J
Acetophenone	ug/L			25	U	9.9	J	1	J	5	U	0.72	J	100	U	5	U	5	U	250	U
Anthracene	ug/L	50		25	U	4.1	J	5	U	4.1	J	5	U	5.9	J	4.5	J	5	U	250	U
Benzaldehyde	ug/L			25	U	160		5	U	5	U	7		100	U	5	U	5	U	250	U
Benzo(A)Anthracene	ug/L	0.002		25	U	26	U	5	U	5	U	5	U	100	U	5	U	5	U	250	U
Benzo(A)Pyrene	ug/L			25	U	26	U	5	U	5	U	5	U	100	U	0.54	J	5	U	250	U
Biphenyl (Diphenyl)	ug/L			9	J	44	J	5	U	35		1	J	36	J	39		5	U	250	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	1		25	U	26	U	5	U	5	U	3.5	J	100	U	5	U	5	U	250	U
Caprolactam	ug/L			25	U	26	U	14		5	U	5	U	100	U	5	U	5	U	250	U
Carbazole	ug/L			5	J	13	J	5	U	22		2.6	J	49	J	18		5	U	250	U
Chrysene	ug/L	0.002		25	U	26	U	5	U	5	U	5	U	100	U	0.47	J	5	U	250	U
Dibenzofuran	ug/L			50	U	4.9	J	10	U	6.2	J	10	U	16	J	5.5	J	10	U	500	U
Fluoranthene	ug/L	50		25	U	26	U	5	U	1.1	J	5	U	100	U	1.2	J	5	U	250	U
Fluorene	ug/L	50		7.1	J	34	J	5	U	35		1.3	J	39	J	39		5	U	250	U
Naphthalene	ug/L	10		2200		9700		6		8200		450		530		9900		5	U	4900	
N-Nitrosodiphenylamine	ug/L	50		25	U	26	U	5	U	5	U	5	U	100	U	5	U	5	U	250	U
Pentachlorophenol	ug/L	1		50	U	52	U	10	U	10	U	10	U	210	U	2000	U	10	U	500	UJ
Phenanthrene	ug/L	50		5.1	J	30		5	U	26		5	U	41	J	27		5	U	250	U
	ug/L	1		25	U	36		5	U	7.8		5		100	U	1000	U	5	U	250	U
Pyrene	ug/L			25	U	26	U	5	U	1.6	J	5	U	100	U	1.9	J	5	U	250	U
1,4-Dioxane (P-Dioxane)	ug/L	0.35		0.2	U	0.2	U	0.2	U	0.24	U	0.22	U	0.21	U	0.2	U	0.21	U	0.21	U

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

Chemical Name	Unit	NYSDEC Class GA[1]	Well/Sample ID		DW-12-01M		DW-12-01R		DW-12-02M		DW-12-06R		DW-12-07R		DW-12-07I		DW-12-09M		MW-2R		MW-3DR	
			Start Depth		74		8.5		90		59		82.5		55.4		90		10.5		23.2	
			End Depth		84		18.5		105		69		92.5		65.4		100		15.5		33.2	
			Depth Unit		ft		ft		ft		ft		ft		ft		ft		ft		ft	
			Sample Date		1/9/2024		1/9/2024		1/9/2024		12/19/2023		12/20/2023		12/19/2023		12/21/2023		1/8/2024		1/10/2024	
			SDG		4802163091		4802163091		4802163091		4802159071		4802159351		4802159071		4802159801		4802162691		4802163341	
			Lab Sample Id		480-216309-4		480-216309-2		480-216309-1		480-215907-3		480-215935-3		480-215907-2		480-215980-5		480-216269-4		480-216334-2	
			Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG	
			Sample Type Code		N		N		N		N		N		N		N		N		N	
Oil & Grease, Total Rec																						
Oil & Grease, Total Rec	mg/L			3.5	J	6.3	U	4.5	J	5	U	5.3	U	5	U	4.1	J	8		4.9	U
Nutrients																						
Sulfate (As SO4)	mg/L	250		78.1		79.9		418		20	U	999		271		3.7	J	210		39.1	
Nitrogen, Nitrate (As N)	mg/L			1.7		0.038	J	0.038	J	0.05	U	0.1		0.05	U	0.05	U	0.05	U	0.028	J
Nitrogen, Nitrate-Nitrite	mg/L			2		0.038	J	0.038	J	0.05	U	0.12		0.05	U	0.05	U	0.05	U	0.064	
Nitrogen, Nitrite	mg/L			0.3		0.05	U	0.05	U	0.05	U	0.02	J	0.05	U	0.05	U	0.041	J	0.036	J
Ethane	ug/L			330	U	830	U	4	J	660	U	1800		660	U	660	U	7.5	U	120	J
Ethene	ug/L			310	U	770	U	3.4	J	620	U	620	U	620	U	620	U	7	U	310	U
Methane	ug/L			3000		17000		29		25000		18000		2800		16000		4	U	13000	
Metals																						
Aluminum	mg/L			0.2	U	0.073	J	0.12	J	0.13	J	0.26		0.2	U	0.093	J	0.2	U	0.2	U
Arsenic	mg/L	0.025		0.015	U	0.015	U	0.012	J	0.012	J	0.04		0.015	U	0.015	U	0.04		0.015	U
Barium	mg/L	1		1.1		3		0.066		0.71		0.14		0.065		0.45		0.067		0.23	
Cadmium	mg/L	0.005		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.00053	J
Calcium	mg/L			99.3		179		28.1		84.2		1790		641		217		688		117	
Chromium, Total	mg/L	0.05		0.014		0.0024	J	0.016		0.004	U	0.0045		0.004	U	0.004	U	0.0026	J	0.0033	J
Cobalt	mg/L			0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.00094	J	0.004	U	0.12		0.0026	J
Copper	mg/L	0.2		0.0038	J	0.0034	J	0.0038	J	0.01	U	0.02	J	0.0086	J	0.0021	J	0.01	U	0.0045	J
Iron	mg/L	0.3		0.48		0.47		0.4		3.1		25.7		0.58		2.5		22.6		0.73	
Lead	mg/L	0.025		0.01	U	0.01	U	0.01	U	0.01	U	0.0049	J	0.01	U	0.01	U	0.01	U	0.01	U
Magnesium	mg/L	35		37.9		61.7		2.1		46.5		237		203		85.5		1.3		91.4	
Manganese	mg/L	0.3		0.067		0.036		0.0023	J	0.061		0.83		0.057		0.09		0.003	U	0.023	
Nickel	mg/L	0.1		0.0018	J	0.0014	J	0.01	U	0.01	U	0.057		0.0013	J	0.01	U	0.089		0.01	U
Potassium	mg/L			55.8		29.5	J	40.7		7.2		212		50.2		22.2		279		22.1	
Selenium	mg/L	0.01		0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.0096	J	0.025	U
Sodium	mg/L	20		276		1080	J	1300		389		8850		298		538		933		568	
Vanadium	mg/L			0.005	U	0.005	U	0.0028	J	0.005	U	0.005	U	0.005	U	0.005	U	0.043		0.005	U
Zinc	mg/L	2		0.005	J	0.0023	J	0.0018	J	0.01	U	0.0081	J	0.0022	J	0.01	U	0.0039	J	0.003	J
Mercury	mg/L	0.0007		0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0004	U	0.0004	U	0.0002	U	0.0003	J	0.00029	
PFAS																						
Perfluoro(2-ethoxyethane)sulfonic acid	ng/l			10	U	10	U	25	U	8	U	20	U	3.8	U	5	U	2.2	JN	4.6	U
Perfluorobutanesulfonic acid (PFBS)	ng/l			4	U	4	U	9.9	U	1.8	JN	10	U	1.9	U	2.2	J	68	J	1.8	U
Perfluorobutanoic Acid	ng/l			9		15		9.9	U	11	J	11	J	17		19		28		16	
Perfluoroheptanoic acid (PFHpA)	ng/l			0.61	J	1.1	J	9.9	U	1.3	J	10	U	1.9	U	1.1	J	7	J	0.46	J
Perfluorohexanesulfonic acid (PFHxS)	ng/l			0.68	J	1.1	J	9.9	U	1.7	J	10	U	1.9	U	1.7	J	12		0.96	J
Perfluorohexanoic acid (PFHxA)	ng/l			4	U	4	U	9.9	U	2.9	J	10	U	1.9	U	2.4		12		0.81	J
Perfluorononanoic acid (PFNA)	ng/l			4	U	4	U	9.9	U	4	U	10	U	1.9	U	2	U	2.2	J	0.17	J
Perfluorooctane Sulfonamide (FOSA)	ng/l			4	U	4	U	9.9	U	4	U	10	U	1.9	U	0.38	J	10	U	1.8	U
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7		0.85	J	0.82	J	9.9	U	3.5	J	10	U	1.9	U	0.89	J	40		1.9	
Perfluorooctanoic acid (PFOA)	ng/l	6.7		2.2	J	2.7	J	9.9	U	4		10	U	1.9	U	3.3		24		1.7	J
Perfluoropentanesulfonic Acid (PFPeS)	ng/l			4	U	4	U	9.9	U	4	U	10	U	1.9	U	2	U	59	J	1.8	U
Perfluoropentanoic Acid (PFPeA)	ng/l			1.5	JN	4.9		9.9	U	4.1	JN	20	U	1.5	J	3.7		91	J	1.8	U

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

		Well/Sample ID	DW-12-01M	DW-12-01R	DW-12-02M	DW-12-06R	DW-12-07R	DW-12-07I	DW-12-09M	MW-2R	MW-3DR
		Start Depth	74	8.5	90	59	82.5	55.4	90	10.5	23.2
		End Depth	84	18.5	105	69	92.5	65.4	100	15.5	33.2
		Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
		Sample Date	1/9/2024	1/9/2024	1/9/2024	12/19/2023	12/20/2023	12/19/2023	12/21/2023	1/8/2024	1/10/2024
		SDG	4802163091	4802163091	4802163091	4802159071	4802159351	4802159071	4802159801	4802162691	4802163341
		Lab Sample Id	480-216309-4	480-216309-2	480-216309-1	480-215907-3	480-215935-3	480-215907-2	480-215980-5	480-216269-4	480-216334-2
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
		Sample Type Code	N	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA[1]									
TOC											
Total Organic Carbon	mg/L		3.2	5.2	2.3	7	2.2	17	5.6	22.5	23.3

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998. Shaded values indicate exceedance.

Sample Type Code: N = Normal Environmental Sample, FD = Field Duplicate. Matrix Code: WG = Groundwater.

Qualifiers: J = Estimated value,J+ = Estimate biased high, UJ = Approximate Non-detect, U = Not Detected at the Detection Limit shown, N= presumptive evidence at value given.

Sample IDs in this PDI Report have been abbreviated to reference well IDs only. For example, "PDI-OFFGW-DW-12-01M-MMDDYY" has been truncated to "DW-12-01M"

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

Chemical Name	Unit	NYSDEC Class GA[1]	Well/Sample ID	MW-6D	MW-8DR	MW-07	SW-10-02	SW-10-07	SW-10-08	SW-10-09	SW-10-12	SW-10-15
			Start Depth	26.5	27	16.5	22	22	19	16	7	12
			End Depth	41.5	37	26.5	22	22	19	26	17	22
			Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
			Sample Date	1/10/2024	12/18/2023	12/20/2023	11/15/2023	11/16/2023	11/16/2023	1/8/2024	1/10/2024	12/18/2023
			SDG	4802163341	4802158471	4802159351	4802149841	4802150081	4802150081	4802162691	4802163341	4802158471
			Lab Sample Id	480-216334-1	480-215847-1	480-215935-2	480-214984-1	480-215008-1	480-215008-2	480-216269-1	480-216334-5	480-215847-2
			Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
			Sample Type Code	N	N	N	N	N	N	N	N	N
VOCs												
Acetone	ug/L	50		100 U	1300 U	20 U	20 U	20 U	80 U	10 U	100 U	200 U
Benzene	ug/L	1		260	5700	2 U	2 U	2 U	320	0.75 J	260	760
Bromodichloromethane	ug/L	50		10 U	130 U	2 U	2 U	2 U	8 U	1 U	10 U	20 U
Carbon Disulfide	ug/L	60		10 U	130 U	2 U	2 U	2 U	8 U	1 U	36	20 U
Chlorobenzene	ug/L	5		10 U	130 U	2 U	2 U	2 U	8 U	0.98 J	10 U	20 U
Chloroethane	ug/L	5		10 U	130 U	2 U	2 U	2 U	8 U	1 U	10 U	20 U
Chloroform	ug/L	7		10 U	130 U	2 U	2 U	2 U	8 U	1 U	10 U	20 U
Cyclohexane	ug/L			14	130 U	2 U	2 U	2 U	8 U	1 U	4.8 J	20 U
Ethylbenzene	ug/L	5		430	920	2 U	2 U	2 U	81	2.9	55	110
Isopropylbenzene (Cumene)	ug/L			24	130 U	2 U	2 U	2 U	36	0.81 J	37	52
Methyl Ethyl Ketone (2-Butanone)	ug/L	50		100 U	1300 U	20 U	20 U	20 U	80 U	10 U	100 U	200 U
Methylcyclohexane	ug/L			8.9 J	130 U	2 U	2 U	2 U	8 U	1 U	5.6 J	7.1 J
Styrene	ug/L	5		10 U	130 U	2 U	2 U	2 U	8 U	1 U	10 U	20 U
Toluene	ug/L	5		29	130 U	2 U	2 U	2 U	8 U	1 U	6.4 J	20 U
Trichloroethylene (TCE)	ug/L	5		10 U	130 U	2 U	2 U	2 U	8 U	1 U	10 U	20 U
Xylenes	ug/L	5		200	180 J	4 U	4 U	4 U	27	2 U	20 U	16 J
SVOCs												
2,4-Dimethylphenol	ug/L	1		1.7 J	3.9 J	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	1.3 J
2-Methylnaphthalene	ug/L			3.9 J	190 J	5.7 U	5.2 U	5 U	7.8 J	6 U	5.2 U	2.2 J
2-Methylphenol (O-Cresol)	ug/L			5 U	6 U	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	5 U
4-Methylphenol (P-Cresol)	ug/L			10 U	1.1 J	11 U	10 U	10 U	50 U	12 U	10 U	10 U
Acenaphthene	ug/L	20		67 J	61	5.7 U	5.2 U	5 U	110	13	11	170
Acenaphthylene	ug/L			10	6 U	5.7 U	5.2 U	5 U	3.3 J	0.71 J	1.2 J	2.2 J
Acetophenone	ug/L			5 U	2.7 J	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	5 U
Anthracene	ug/L	50		0.96 J	2.1 J	5.7 U	5.2 U	5 U	4.3 J	6 U	2.8 J	5.2
Benzaldehyde	ug/L			5 U	6 U	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	5 U
Benzo(A)Anthracene	ug/L	0.002		5 U	6 U	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	0.42 J
Benzo(A)Pyrene	ug/L			5 U	6 U	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	5 U
Biphenyl (Diphenyl)	ug/L			13	9.7	5.7 U	5.2 U	5 U	25 U	6 U	1.1 J	13
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	1		5 U	6 U	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	5 U
Caprolactam	ug/L			5 U	7.3	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	5 U
Carbazole	ug/L			2.3 J	17	5.7 U	5.2 U	5 U	8.3 J	6 U	7.6	18
Chrysene	ug/L	0.002		5 U	6 U	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	0.35 J
Dibenzofuran	ug/L			1.5 J	2.5 J	11 U	10 U	10 U	8 J	12 U	9.7 J	9.7 J
Fluoranthene	ug/L	50		1.1 J	6 U	5.7 U	5.2 U	5 U	3.9 J	0.67 J	1.2 J	3.2 J
Fluorene	ug/L	50		11	13	5.7 U	5.2 U	5 U	38	6 U	28	45
Naphthalene	ug/L	10		510	2200	5.7 U	5.2 U	5 U	210	18	2.3 J	5 U
N-Nitrosodiphenylamine	ug/L	50		0.58 J	6 U	5.7 U	5.2 U	5 U	25 U	6 U	5.2 U	0.55 J
Pentachlorophenol	ug/L	1		10 U	12 UJ	11 U	10 UJ	2.8 J	50 U	12 U	10 U	10 UJ
Phenanthrene	ug/L	50		4.1 J	8.5	5.7 U	5.2 U	5 U	25 U	6 U	15	38
	ug/L	1		5 U	21	5.7 U	5.2 U	5 U	5.2 J	6 U	5.2 U	16
Pyrene	ug/L			1.5 J	6 U	5.7 U	5.2 U	0.38 J	4.8 J	0.9 J	0.74 J	4 J
1,4-Dioxane (P-Dioxane)	ug/L	0.35		0.2 U	0.22 U	0.23 U	0.21 U	0.2 U	0.2 U	0.21 U	0.22 U	0.2 U

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

Chemical Name	Unit	NYSDEC Class GA[1]	Well/Sample ID		MW-6D		MW-8DR		MW-07		SW-10-02		SW-10-07		SW-10-08		SW-10-09		SW-10-12		SW-10-15	
			Start Depth		26.5		27		16.5		22		22		19		16		7		12	
			End Depth		41.5		37		26.5		22		22		19		26		17		22	
			Depth Unit		ft		ft		ft		ft		ft		ft		ft		ft		ft	
			Sample Date		1/10/2024		12/18/2023		12/20/2023		11/15/2023		11/16/2023		11/16/2023		1/8/2024		1/10/2024		12/18/2023	
			SDG		4802163341		4802158471		4802159351		4802149841		4802150081		4802150081		4802162691		4802163341		4802158471	
			Lab Sample Id		480-216334-1		480-215847-1		480-215935-2		480-214984-1		480-215008-1		480-215008-2		480-216269-1		480-216334-5		480-215847-2	
			Matrix		WG		WG		WG		WG		WG		WG		WG		WG		WG	
			Sample Type Code		N		N		N		N		N		N		N		N		N	
Oil & Grease, Total Rec																						
Oil & Grease, Total Rec	mg/L			5.2	U	5.4	U	3.5	J	1.9	J	5.2	U	5.2	U	5.5	U	5.2	U	1.9	J
Nutrients																						
Sulfate (As SO4)	mg/L	250		168		20	U	164		212		112		24.2		29.3		254		18.2	J
Nitrogen, Nitrate (As N)	mg/L			0.05	U	0.05	U	1.2		2.9		3.5		0.05	U	0.034	J	0.12		0.05	U
Nitrogen, Nitrate-Nitrite	mg/L			0.05	U	0.05	U	1.2		2.9		3.5		0.05	U	0.034	J	0.16		0.05	U
Nitrogen, Nitrite	mg/L			0.05	U	0.05	U	0.022	J	0.035	J	0.034	J	0.05	U	0.05	U	0.042	J	0.05	U
Ethane	ug/L			2.7	J	330	U	7.5	U	7.5	U	170	U	330	U	7.5	U	660	U	330	U
Ethene	ug/L			7	U	310	U	7	U	7	U	150	U	310	U	7	U	620	U	310	U
Methane	ug/L			260		21000		88		1	J	490		4400		350		3400		12000	
Metals																						
Aluminum	mg/L			0.2	U	2.1		0.2	U	0.2	U	0.2	U	0.27		0.2	U	0.2	U	0.14	J
Arsenic	mg/L	0.025		0.015	U	0.013	J	0.015	U	0.27		0.22		0.015	U	0.015	U	0.0078	J	0.011	J
Barium	mg/L	1		0.31		1.1		0.057		0.048		0.097		0.38		0.28		0.2		0.15	
Cadmium	mg/L	0.005		0.002	U	0.00074	J	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.00071	J
Calcium	mg/L			690		128		156		78.9		189		162		107		178		96.6	
Chromium, Total	mg/L	0.05		0.0013	J	0.04	U	0.0013	J	0.0024	J	0.004	U	0.0015	J	0.004	U	0.0023	J	0.004	U
Cobalt	mg/L			0.004	U	0.004	U	0.0027	J	0.0015	J	0.0017	J	0.004	U	0.004	U	0.019		0.00084	J
Copper	mg/L	0.2		0.014		0.01	U	0.0054	J	0.01	U	0.0045	J	0.01	U	0.01	U	0.0069	J	0.01	U
Iron	mg/L	0.3		4.6		3.3		1.3		0.88		0.86		0.8		0.92		14.8		0.61	
Lead	mg/L	0.025		0.01	U	0.01	U	0.0044	J	0.01	U	0.003	J	0.01	U	0.01	U	0.0036	J	0.01	U
Magnesium	mg/L	35		266		61.2		56.9		121		83.4		49		29.2		68.7		91	
Manganese	mg/L	0.3		0.11		0.13		0.094		0.0017	J	0.54	J+	0.27	J+	0.18		0.14		0.11	
Nickel	mg/L	0.1		0.01	U	0.0018	J	0.0059	J	0.01	U	0.0045	J	0.0018	J	0.01	U	0.01	U	0.01	U
Potassium	mg/L			49.6		14.7		10.3		5.9		8.1		10.8		7.7		11.9		7.2	
Selenium	mg/L	0.01		0.025	U	0.025	U	0.065		0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Sodium	mg/L	20		760		347		593		513		207		320		281		352		213	
Vanadium	mg/L			0.005	U	0.0022	J	0.005	U	0.005	U	0.003	J	0.005	U	0.005	U	0.0027	J	0.005	U
Zinc	mg/L	2		0.0026	J	0.0059	J	0.0046	J	0.01	U	0.01	U	0.0024	J	0.0015	J	0.01	U	0.01	U
Mercury	mg/L	0.0007		0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	4.3E-05	J	0.0002	U	0.0002	U
PFAS																						
Perfluoro(2-ethoxyethane)sulfonic acid	ng/l			4.7	U	20	U	8	U	3.5	U	3.7	U	3.8	U	4.9	U	25	U	3.8	U
Perfluorobutanesulfonic acid (PFBS)	ng/l			0.52	JN	10	U	4	U	1.8	U	1.8	U	1.9	U	1.1	J	4.6	JN	3.7	J
Perfluorobutanoic Acid	ng/l			29		12	J	7.8	J	7		14		9.4		6.2		10		10	
Perfluoroheptanoic acid (PFHpA)	ng/l			1.9	U	10	U	4	U	0.66	J	1.6	J	1.1	J	0.46	J	4.1	JN	1.6	J
Perfluorohexanesulfonic acid (PFHxS)	ng/l			1.9	U	10	U	2.8	J	1.2	J	2.1		1.3	J	0.69	J	2.1	J	1.8	J
Perfluorohexanoic acid (PFHxA)	ng/l			1	J	10	U	2.4	JN	1.8	U	1.3	J	1.5	J	2	U	10	U	2.6	
Perfluorononanoic acid (PFNA)	ng/l			1.9	U	10	U	4	U	1.8	U	0.49	J	1.9	U	0.3	J	0.93	J	1.9	U
Perfluorooctane Sulfonamide (FOSA)	ng/l			1.9	U	10	U	4	U	1.8	U	1.8	U	1.9	U	2	U	10	U	1.9	U
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7		1.9	U	4.3	JN	5.1	J	4.1		7		8.1		4.6		11		5.1	
Perfluorooctanoic acid (PFOA)	ng/l	6.7		1.9	U	10	U	1.8	J	2.1		4.4		3.1		1.9	J	6	J	5.7	
Perfluoropentanesulfonic Acid (PFPeS)	ng/l			1.9	U	10	U	4	U	1.8	U	1.8	U	1.9	U	2	U	10	U	1.9	U
Perfluoropentanoic Acid (PFPeA)	ng/l			3.1		20	U	8	U	1	JN	1.8	JN	2.8	JN	2.4		5.9	J	39	J

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

		Well/Sample ID	MW-6D	MW-8DR	MW-07	SW-10-02	SW-10-07	SW-10-08	SW-10-09	SW-10-12	SW-10-15
		Start Depth	26.5	27	16.5	22	22	19	16	7	12
		End Depth	41.5	37	26.5	22	22	19	26	17	22
		Depth Unit	ft	ft	ft	ft	ft	ft	ft	ft	ft
		Sample Date	1/10/2024	12/18/2023	12/20/2023	11/15/2023	11/16/2023	11/16/2023	1/8/2024	1/10/2024	12/18/2023
		SDG	4802163341	4802158471	4802159351	4802149841	4802150081	4802150081	4802162691	4802163341	4802158471
		Lab Sample Id	480-216334-1	480-215847-1	480-215935-2	480-214984-1	480-215008-1	480-215008-2	480-216269-1	480-216334-5	480-215847-2
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
		Sample Type Code	N	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA[1]									
TOC											
Total Organic Carbon	mg/L		2.7	6.1	16.4	5.1	7.6	7.3	2.7	18.5	10.7

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998. Shaded values indicate exceedance.

Sample Type Code: N = Normal Environmental Sample, FD = Field Duplicate. Matrix Code: WG = Groundwater.

Qualifiers: J = Estimated value,J+ = Estimate biased high, UJ = Approximate Non-detect, U = Not Detected at the Detection Limit shown, N= presumptive evidence at value given.

Sample IDs in this PDI Report have been abbreviated to reference well IDs only. For example, "PDI-OFFGW-DW-12-01M-MMDDYY" has been truncated to "DW-12-01M"

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

Chemical Name	Unit	NYSDEC Class GA[1]	Well/Sample ID		SW-12-01FD		SW-12-04		SW-12-13		SW-12-20		SW-12-21	
			Start Depth		8.5		4		5		71.6		28.6	
			End Depth		18.5		14		15		71.6		28.6	
			Depth Unit		ft		ft		ft		ft		ft	
			Sample Date		1/10/2024		1/9/2024		1/9/2024		11/17/2023		11/17/2023	
			SDG		4802163341		4802163091		4802163091		4802150141		4802150141	
			Lab Sample Id		480-216334-4		480-216309-5		480-216309-3		480-215014-2		480-215014-1	
			Matrix		WG		WG		WG		WG		WG	
			Sample Type Code		FD		N		N		N		N	
VOCs														
Acetone	ug/L	50	20	U	20	U	10	U	10	U	10	U	10	U
Benzene	ug/L	1	2	U	2	U	23		1	U	16		1	U
Bromodichloromethane	ug/L	50	2	U	2	U	1	U	1	U	1	U	1	U
Carbon Disulfide	ug/L	60	2	U	2	U	1	U	1	U	1	UJ	1	UJ
Chlorobenzene	ug/L	5	2	U	2	U	1	U	1	U	1	U	1	U
Chloroethane	ug/L	5	2	U	2	U	1	U	1	U	1	UJ	1	UJ
Chloroform	ug/L	7	2	U	2	U	1	U	1	U	1	U	1	U
Cyclohexane	ug/L		2	U	2	U	3.4		1	U	0.34	J	1	U
Ethylbenzene	ug/L	5	2	U	2	U	1	U	1	U	1	U	1	U
Isopropylbenzene (Cumene)	ug/L		2	U	2	U	1.5		1	U	1.7		1	U
Methyl Ethyl Ketone (2-Butanone)	ug/L	50	20	U	20	U	10	U	10	U	10	U	10	U
Methylcyclohexane	ug/L		2	U	2	U	0.76	J	1	U	0.29	J	1	U
Styrene	ug/L	5	2	U	2	U	1	U	1	U	1	U	1	U
Toluene	ug/L	5	2	U	2	U	1	U	1	U	1	U	1	U
Trichloroethylene (TCE)	ug/L	5	2	U	2	U	1.2		1	U	1	U	1	U
Xylenes	ug/L	5	4	U	4	U	1.2	J	2	U	2	U	2	U
SVOCs														
2,4-Dimethylphenol	ug/L	1	5	U	5	U	5.2	U	5.2	U	5	U	5	U
2-Methylnaphthalene	ug/L		5	U	5	U	5.2	U	5.2	U	5	U	5	U
2-Methylphenol (O-Cresol)	ug/L		5	U	5	U	5.2	U	5.2	U	5	U	5	U
4-Methylphenol (P-Cresol)	ug/L		10	U	10	U	10	U	10	U	10	U	10	U
Acenaphthene	ug/L	20	5	U	5	U	12		0.44	J	120		5	U
Acenaphthylene	ug/L		5	U	5	U	0.77	J	5.2	U	1.4	J	5	U
Acetophenone	ug/L		5	U	5	U	5.2	U	5.2	U	5	U	5	U
Anthracene	ug/L	50	5	U	5	U	5.2	U	5.2	U	0.78	J	5	U
Benzaldehyde	ug/L		5	U	5	U	5.2	U	5.2	U	5	U	5	U
Benzo(A)Anthracene	ug/L	0.002	5	U	5	U	5.2	U	5.2	U	5	U	5	U
Benzo(A)Pyrene	ug/L		5	U	5	U	5.2	U	5.2	U	5	U	5	U
Biphenyl (Diphenyl)	ug/L		5	U	5	U	5.2	U	5.2	U	5	U	5	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	1	5	U	5	U	5.2	U	5.2	U	5	U	5	U
Caprolactam	ug/L		5	U	5	U	5.2	U	5.2	U	2.4	J	5	U
Carbazole	ug/L		5	U	5	U	5.2	U	5.2	U	5	U	5	U
Chrysene	ug/L	0.002	5	U	5	U	5.2	U	5.2	U	5	U	5	U
Dibenzofuran	ug/L		10	U	10	U	10	U	10	U	10	U	10	U
Fluoranthene	ug/L	50	5	U	5	U	5.2	U	5.2	U	1.2	J	5	U
Fluorene	ug/L	50	5	U	5	U	0.39	J	5.2	U	1.8	J	5	U
Naphthalene	ug/L	10	5	U	5	U	6.5		5.2	U	0.86	J	5	U
N-Nitrosodiphenylamine	ug/L	50	5	U	5	U	5.2	U	5.2	U	5	U	5	U
Pentachlorophenol	ug/L	1	10	U	10	U	10	U	10	U	10	U	10	U
Phenanthrene	ug/L	50	5	U	5	U	5.2	U	5.2	U	5	U	5	U
	ug/L	1	5	U	5	U	5.2	U	5.2	U	5	U	5	U
Pyrene	ug/L		5	U	5	U	5.2	U	5.2	U	1.6	J	5	U
1,4-Dioxane (P-Dioxane)	ug/L	0.35	0.2	U	0.2	U	0.2	U	0.23	U	0.31	UJ	0.2	U

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

Chemical Name	Unit	NYSDEC Class GA[1]	Well/Sample ID		SW-12-01FD		SW-12-04		SW-12-13		SW-12-20		SW-12-21	
			Start Depth		8.5		4		5		71.6		28.6	
			End Depth		18.5		14		15		71.6		28.6	
			Depth Unit		ft		ft		ft		ft		ft	
			Sample Date		1/10/2024		1/9/2024		1/9/2024		11/17/2023		11/17/2023	
			SDG		4802163341		4802163091		4802163091		4802150141		4802150141	
			Lab Sample Id		480-216334-4		480-216309-5		480-216309-3		480-215014-2		480-215014-1	
			Matrix		WG		WG		WG		WG		WG	
			Sample Type Code		FD		N		N		N		N	
Oil & Grease, Total Rec														
Oil & Grease, Total Rec	mg/L		3.7	J	5.4	U	6.5	U	3.9	J	5.2	U	5.2	
Nutrients														
Sulfate (As SO4)	mg/L	250	165		160		45.5		93.4		24.7		55.8	
Nitrogen, Nitrate (As N)	mg/L		0.14		0.14		0.067		0.022	J	0.05	U	0.63	
Nitrogen, Nitrate-Nitrite	mg/L		0.17		0.17		0.098		0.022	J	0.05	U	0.63	
Nitrogen, Nitrite	mg/L		0.029	J	0.028	J	0.031	J	0.05	U	0.05	U	0.05	U
Ethane	ug/L		7.5	U	7.5	U	7.5	U	7.5	U	170	U	7.5	U
Ethene	ug/L		7	U	7	U	7	U	7	U	150	U	7	U
Methane	ug/L		31		39		480		46		1900		5.3	
Metals														
Aluminum	mg/L		0.2	U	0.2	U	0.13	J	0.2	U	0.19	J	0.14	J
Arsenic	mg/L	0.025	0.0058	J	0.015	U	0.017		0.0061	J	0.015	U	0.0095	J
Barium	mg/L	1	0.12		0.1		0.062		0.25		0.24		0.08	
Cadmium	mg/L	0.005	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
Calcium	mg/L		125		122		147		160		101		67	
Chromium, Total	mg/L	0.05	0.0011	J	0.004	U	0.0019	J	0.0017	J	0.0063		0.004	U
Cobalt	mg/L		0.0048		0.0044		0.004	U	0.0015	J	0.004	U	0.004	U
Copper	mg/L	0.2	0.0054	J	0.0054	J	0.0065	J	0.0046	J	0.01	U	0.0018	J
Iron	mg/L	0.3	3.8		3.3		2.2		7.4		0.74		0.22	
Lead	mg/L	0.025	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Magnesium	mg/L	35	60.8		58.9		43.7		80.9		37.5		18	
Manganese	mg/L	0.3	0.59		0.58		0.75		0.85		0.19	J+	0.37	J+
Nickel	mg/L	0.1	0.0023	J	0.0023	J	0.01	U	0.0016	J	0.0019	J	0.0038	J
Potassium	mg/L		9.7		8.2		6		7.2		10.2		9	
Selenium	mg/L	0.01	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
Sodium	mg/L	20	499		406		420		412		563		540	
Vanadium	mg/L		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Zinc	mg/L	2	0.0065	J	0.0062	J	0.0064	J	0.01	U	0.0066	J	0.0066	J
Mercury	mg/L	0.0007	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
PFAS														
Perfluoro(2-ethoxyethane)sulfonic acid	ng/l		4.9	U	10	U	10	U	5.2	U	3.7	U	3.7	U
Perfluorobutanesulfonic acid (PFBS)	ng/l		3.7	J	3.7	JN	1.9	JN	2.9	J	1.4	J	1.1	J
Perfluorobutanoic Acid	ng/l		9.3		8.8		6.4		10		8.1		11	
Perfluoroheptanoic acid (PFHpA)	ng/l		1.8	J	1.8	J	0.8	J	1.2	J	0.66	J	1.8	U
Perfluorohexanesulfonic acid (PFHxS)	ng/l		6.4		5.6		0.78	J	0.99	J	1	J	0.81	J
Perfluorohexanoic acid (PFHxA)	ng/l		1.8	J	1.7	J	4	U	1.8	J	1.4	J	1.8	U
Perfluorononanoic acid (PFNA)	ng/l		0.56	J	0.61	J	4	U	2.1	U	1.8	U	0.47	J
Perfluorooctane Sulfonamide (FOSA)	ng/l		0.22	J	4	U	4	U	2.1	U	1.8	U	1.8	U
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7	13		14		4	U	1.9	J	2.5		4.1	
Perfluorooctanoic acid (PFOA)	ng/l	6.7	5.9		5.4		1.8	J	2.5		1.9		1.2	J
Perfluoropentanesulfonic Acid (PFPeS)	ng/l		0.58	JN	0.47	JN	4	U	2.1	U	1.8	U	1.8	U
Perfluoropentanoic Acid (PFPeA)	ng/l		2.8	J	2.6	J	1.5	JN	2.3		2.1	J	3.7	U

Table 10
East Station PDI
Groundwater Analytical Summary - Detected Compounds

		Well/Sample ID	SW-12-01	SW-12-01FD	SW-12-04	SW-12-13	SW-12-20	SW-12-21
		Start Depth	8.5	8.5	4	5	71.6	28.6
		End Depth	18.5	18.5	14	15	71.6	28.6
		Depth Unit	ft	ft	ft	ft	ft	ft
		Sample Date	1/10/2024	1/10/2024	1/9/2024	1/9/2024	11/17/2023	11/17/2023
		SDG	4802163341	4802163341	4802163091	4802163091	4802150141	4802150141
		Lab Sample Id	480-216334-3	480-216334-4	480-216309-5	480-216309-3	480-215014-2	480-215014-1
		Matrix	WG	WG	WG	WG	WG	WG
		Sample Type Code	N	FD	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA[1]						
TOC								
Total Organic Carbon	mg/L		4.9	5.1	5.6	3.5	2.1	2.3

Notes:

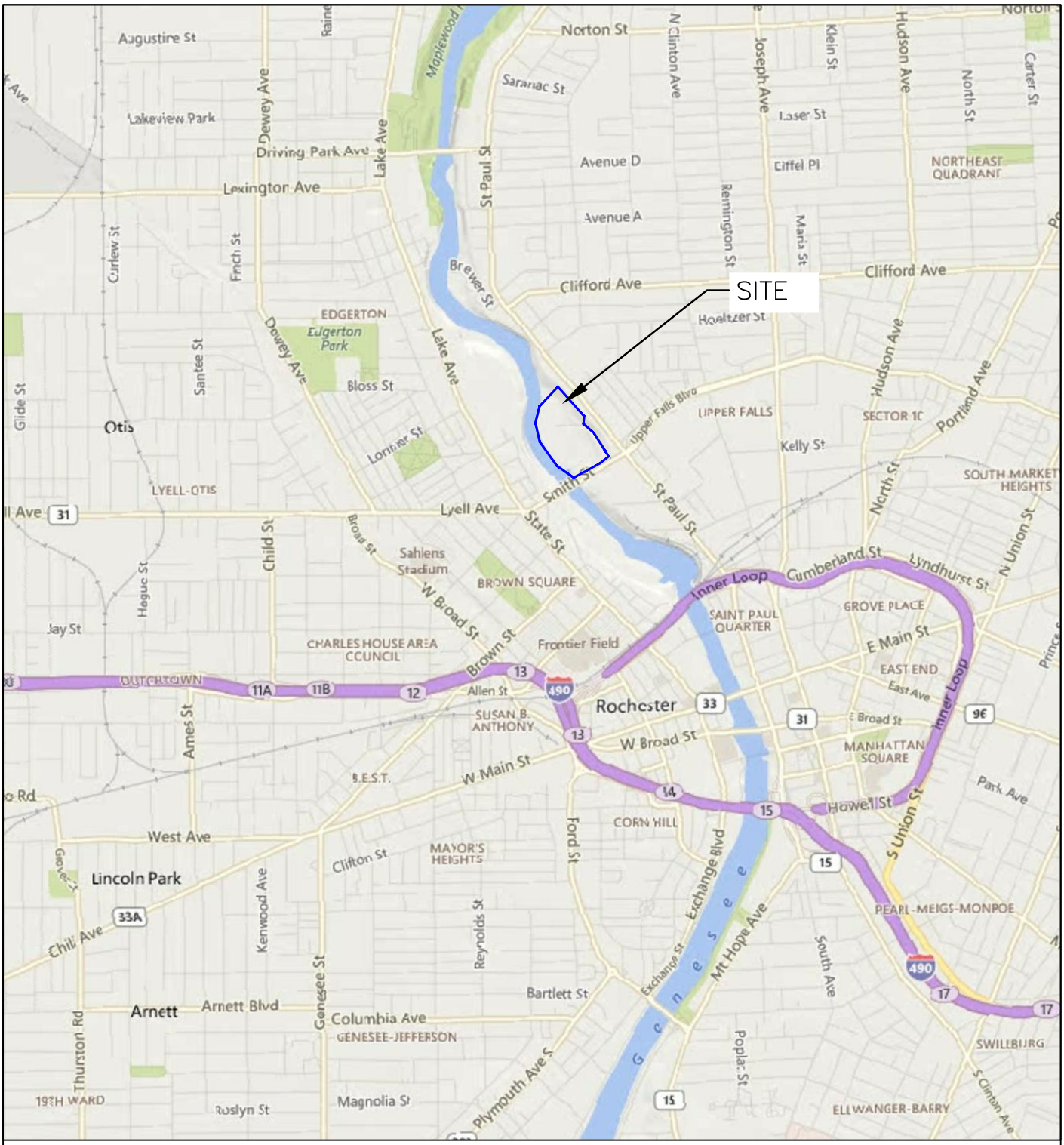
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998. Shaded values indicate exceedance.

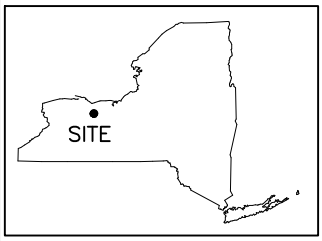
Sample Type Code: N = Normal Environmental Sample, FD = Field Duplicate. Matrix Code: WG = Groundwater.

Qualifiers: J = Estimated value,J+ = Estimate biased high, UJ = Approximate Non-detect, U = Not Detected at the Detection Limit shown, N= presumptive evidence at value given.

Sample IDs in this PDI Report have been abbreviated to reference well IDs only. For example, "PDI-OFFGW-DW-12-01M-MMDDYY" has been truncated to "DW-12-01M"

FIGURES





NEW YORK STATE

43.16760° N
77.62034° W

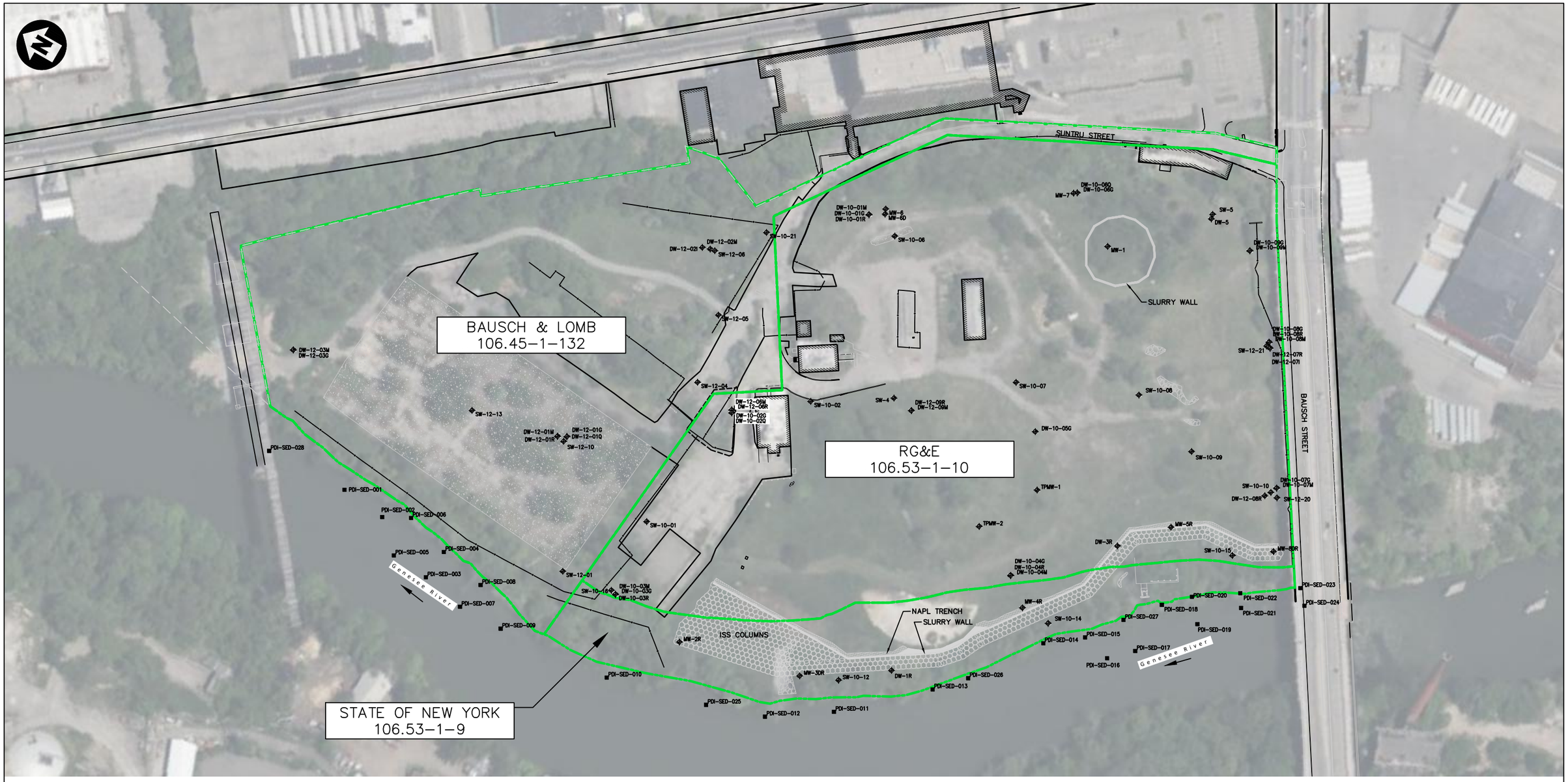
FIGURE 1

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

SITE LOCATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\FIGURE 1 – SLM.DWG
PLOT DATE: 3/31/2024 11:01 AM PLOTTED BY: RUSSO, JILL [US-US]



LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY (WITH OWNER AND ID)
- EXISTING BUILDINGS
- EXISTING ISS COLUMNS
- MONITORING WELL LOCATION
- SEDIMENT SAMPLE LOCATION

150 0 150 300

SCALE: 1"=150'

FIGURE 2

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

SITE LAYOUT

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-TAG_FIGS.DWG
PLOT DATE: 3/31/2024 11:02 AM PLOTTED BY: RUSSO, JILL [US-US]

LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING SOIL BORINGS
- GROUNDWATER LOCATIONS SAMPLED
- GROUNDWATER LOCATIONS NOT SAMPLED

SUNTRU STREET

BASCH STREET

SLURRY WALL

NAPL TRENCH

ISS COLUMNS

Genesee River

100 50 0 100 200

SCALE: 1"=100'

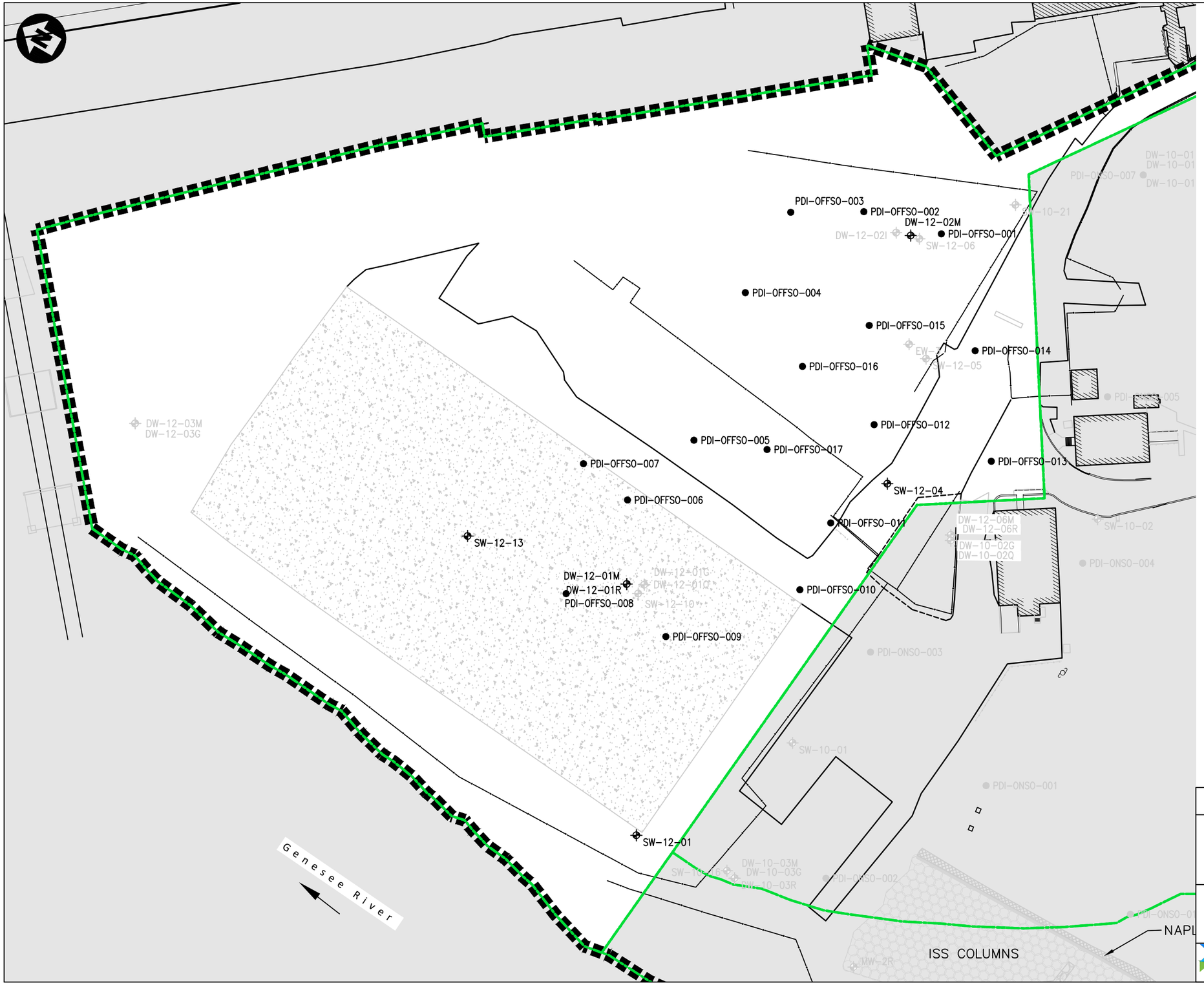
FIGURE 3A

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

ONSITE SAMPLE LOCATIONS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SAMPLE -LOCATIONS.DWG
PLOT DATE: 5/20/2024 1:56 PM PLOTTED BY: RUSSO, JILL [US-US]



LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING SOIL BORINGS
- GROUNDWATER LOCATIONS SAMPLED
- GROUNDWATER LOCATIONS NOT SAMPLED

80 40 0 80 160

SCALE: 1"=80'

FIGURE 3B

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

OFFSITE SAMPLE LOCATIONS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SAMPLE -LOCATIONS.DWG
PLOT DATE: 5/20/2024 2:01 PM PLOTTED BY: RUSSO, JILL [US-US]

SUNTRU STREET

BAUSCH STREET

SLURRY WALL

PDI-SED-028

PDI-SED-001

PDI-SED-002

PDI-SED-006

PDI-SED-005

PDI-SED-004

PDI-SED-003

PDI-SED-008

PDI-SED-007

PDI-SED-009

Genesee River

NAPL TRENCH

SLURRY WALL

ISS COLUMNS

PDI-SED-010

PDI-SED-025

PDI-SED-012

PDI-SED-011

PDI-SED-013

PDI-SED-026

PDI-SED-014

PDI-SED-015

PDI-SED-016

PDI-SED-017

PDI-SED-027

PDI-SED-018

PDI-SED-019

PDI-SED-020

PDI-SED-022

PDI-SED-021

PDI-SED-023

PDI-SED-024

Genesee River

LEGEND:

PROJECT BOUNDARY

TAX PARCEL BOUNDARY

ASPHALT

SEDIMENT SAMPLE LOCATION

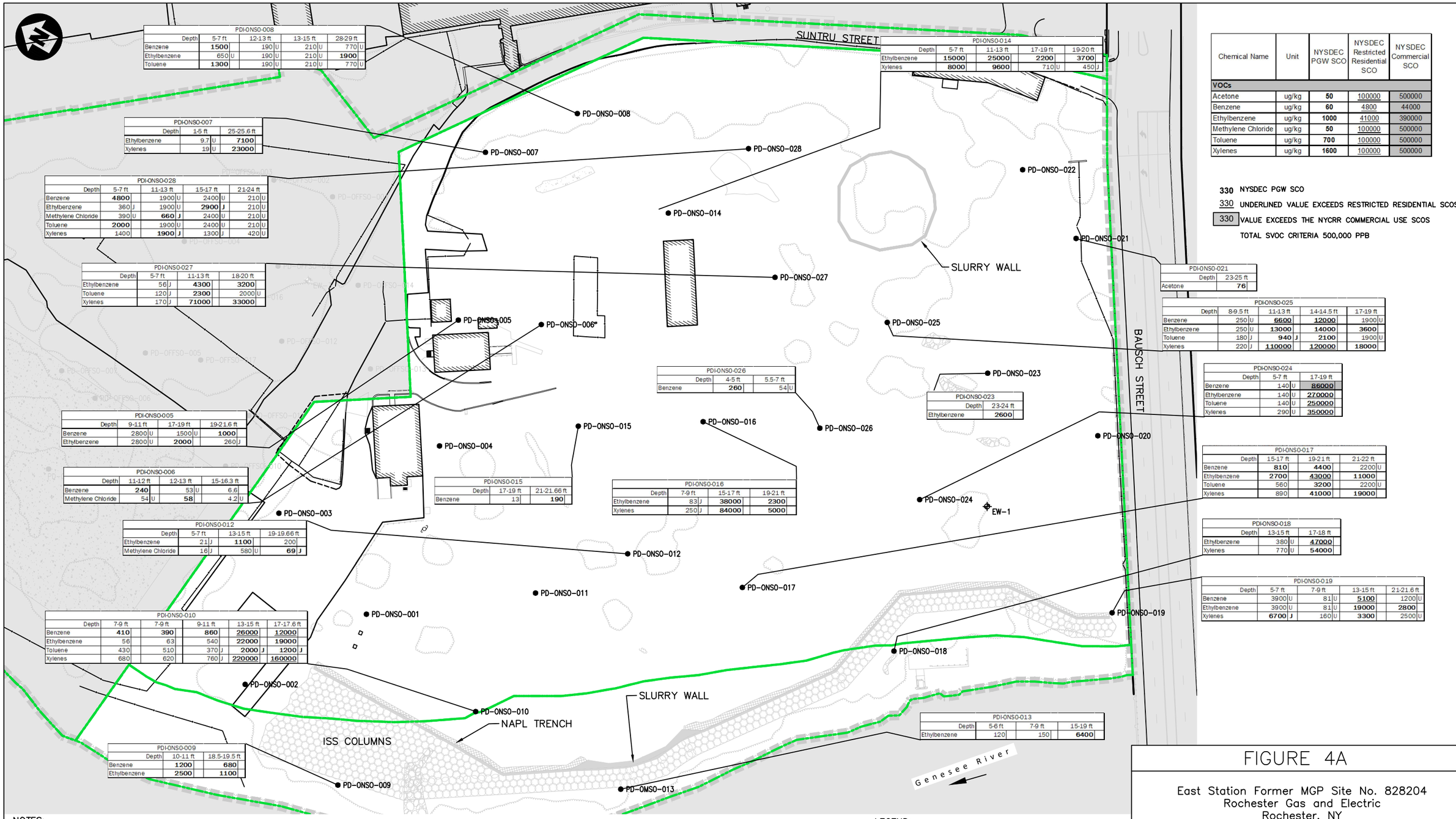
FIGURE 3C

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

SEDIMENT SAMPLE LOCATIONS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SAMPLE -LOCATIONS.DWG
PLOT DATE: 5/3/2024 2:51 PM PLOTTED BY: RUSSO, JILL [US-US]



PDI-ONSO-008								
Depth	5-7 ft		12-13 ft		13-15 ft		28-29 ft	
Benzene	**1500**		190	U	210	U	770	U
Ethylbenzene	650	U	190	U	210	U	**1900**	
Toluene	**1300**		190	U	210	U	770	U

PDI-ONSO-007			
Depth	1-5 ft		25-25.6 ft
Ethylbenzene	9.7	U	**7100**
Xylenes	19	U	**23000**

PDI-ONSO-028								
Depth	5-7 ft		11-13 ft		15-17 ft		21-24 ft	
Benzene	**4800**		1900	U	2400	U	210	U
Ethylbenzene	360	J	1900	U	**2900**	**J**	210	U
Methylene Chloride	390	U	**660**	**J**	2400	U	210	U
Toluene	**2000**		1900	U	2400	U	210	U
Xylenes	1400		**1900**	**J**	1300	J	420	U

PDI-ONSO-027						
Depth	5-7 ft		11-13 ft		18-20 ft	
Ethylbenzene	56	J	**4300**		**3200**	
Toluene	120	J	**2300**		2000	U
Xylenes	170	J	**71000**		**33000**	

PDI-ONSO-005						
Depth	9-11 ft		17-19 ft		19-21.6 ft	
Benzene	2800	U	1500	U	**1000**	
Ethylbenzene	2800	U	**2000**		260	J

PDI-ONSO-006						
Depth	11-12 ft		12-13 ft		15-16.3 ft	
Benzene	**240**		53	U	6.6	
Methylene Chloride	54	U	**58**		4.2	U

PDI-ONSO-012						
Depth	5-7 ft		13-15 ft		19-19.66 ft	
Ethylbenzene	21	J	**1100**		200	
Methylene Chloride	16	J	580	U	**69**	**J**

PDI-ONSO-010										
Depth	7-9 ft		7-9 ft		9-11 ft		13-15 ft		17-17.6 ft	
Benzene	**410**		**390**		**860**		**26000**		**12000**	
Ethylbenzene	56		63		540		**22000**		**19000**	
Toluene	430		510		370	J	**2000**	**J**	**1200**	**J**
Xylenes	680		620		760	J	**220000**		**160000**	

PDI-ONSO-009				
Depth	10-11 ft		18.5-19.5 ft	
Benzene	**1200**		**680**	
Ethylbenzene	**2500**		**1100**	

PDI-ONSO-014								
Depth	5-7 ft		11-13 ft		17-19 ft		19-20 ft	
Ethylbenzene	**15000**		**25000**		**2200**		**3700**	
Xylenes	**8000**		**9600**		710	U	450	J

PDI-ONSO-026				
Depth	4-5 ft		5.5-7 ft	
Benzene	**260**		54	U

PDI-ONSO-023		
Depth	23-24 ft	
Ethylbenzene	**2600**	

PDI-ONSO-015				
Depth	17-19 ft		21-21.66 ft	
Benzene	13		**190**	

PDI-ONSO-016				
Depth	7-9 ft		15-17 ft	19-21 ft
Ethylbenzene	83	J	**38000**	**2300**
Xylenes	250	J	**84000**	**5000**

PDI-ONSO-021		
Depth	23-25 ft	
Acetone	**76**	

PDI-ONSO-025								
Depth	8-9.5 ft		11-13 ft		14-14.5 ft		17-19 ft	
Benzene	250	U	**6600**		**12000**		1900	U
Ethylbenzene	250	U	**13000**		**14000**		**3600**	
Toluene	180	J	**940**	**J**	**2100**		1900	U
Xylenes	220	J	**110000**		**120000**		**18000**	

PDI-ONSO-024				
Depth	5-7 ft		17-19 ft	
Benzene	140	U	**86000**	
Ethylbenzene	140	U	**270000**	
Toluene	140	U	**250000**	
Xylenes	290	U	**350000**	

PDI-ONSO-017								
Depth	15-17 ft		19-21 ft		21-22 ft			
Benzene	**810**		**4400**		2200	U		
Ethylbenzene	**2700**		**43000**		**11000**			
Toluene	560		**3200**		2200	U		
Xylenes	890		**41000**		**19000**			

PDI-ONSO-018				
Depth	13-15 ft		17-18 ft	
Ethylbenzene	380	U	**47000**	
Xylenes	770	U	**54000**	

PDI-ONSO-019										
Depth	5-7 ft		7-9 ft		13-15 ft		21-21.6 ft			
Benzene	3900	U	81	U	**5100**		1200	U		
Ethylbenzene	3900	U	81	U	**19000**		**2800**			
Xylenes	**6700**	**J**	160	U	**3300**		2500	U		

PDI-ONSO-013				
Depth	5-6 ft		7-9 ft	15-19 ft
Ethylbenzene	120		150	**6400**

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO
VOCs				
Acetone	ug/kg	**50**	100000	500000
Benzene	ug/kg	**60**	4800	44000
Ethylbenzene	ug/kg	**1000**	41000	390000
Methylene Chloride	ug/kg	**50**	100000	500000
Toluene	ug/kg	**700**	100000	500000
Xylenes	ug/kg	**1600**	100000	500000

330 NYSDEC PGW SCO

330 UNDERLINED VALUE EXCEEDS RESTRICTED RESIDENTIAL SCOS

330 VALUE EXCEEDS THE NYCRR COMMERCIAL USE SCOS

TOTAL SVOC CRITERIA 500,000 PPB

NOTES:
1. SOIL CLEANUP OBJECTIVES (SCOS) FROM 6 NYCRR PART 375 ENVIRONMENTAL REMEDIATION PROGRAMS SUBPART 375-6, DECEMBER 2006
2. PFAS GUIDANCE VALUES OBTAINED FROM NYSDEC SAMPLING, ANALYSIS, AND ASSESSMENT OF PFAS, NOVEMBER 2022.
3. MG/KG = MILLIGRAMS PER KILOGRAM; UG/KG = MICROGRAMS PER KILOGRAM
4. U = NOT DETECTED ABOVE LABORATORY STANDARD; UJ = ESTIMATED AND NOT DETECTED AT THE VALUE GIVEN; J = ESTIMATED AT THE VALUE GIVEN; J+ = ESTIMATED BIASED HIGH AT THE VALUE GIVEN
5. LOCATIONS WITHOUT A CHEM BOX PRESENT, INDICATE THERE WERE NO DETECTIONS ABOVE THE CRITERIA.

LEGEND:
- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING SOIL BORINGS
- PUMPING WELL

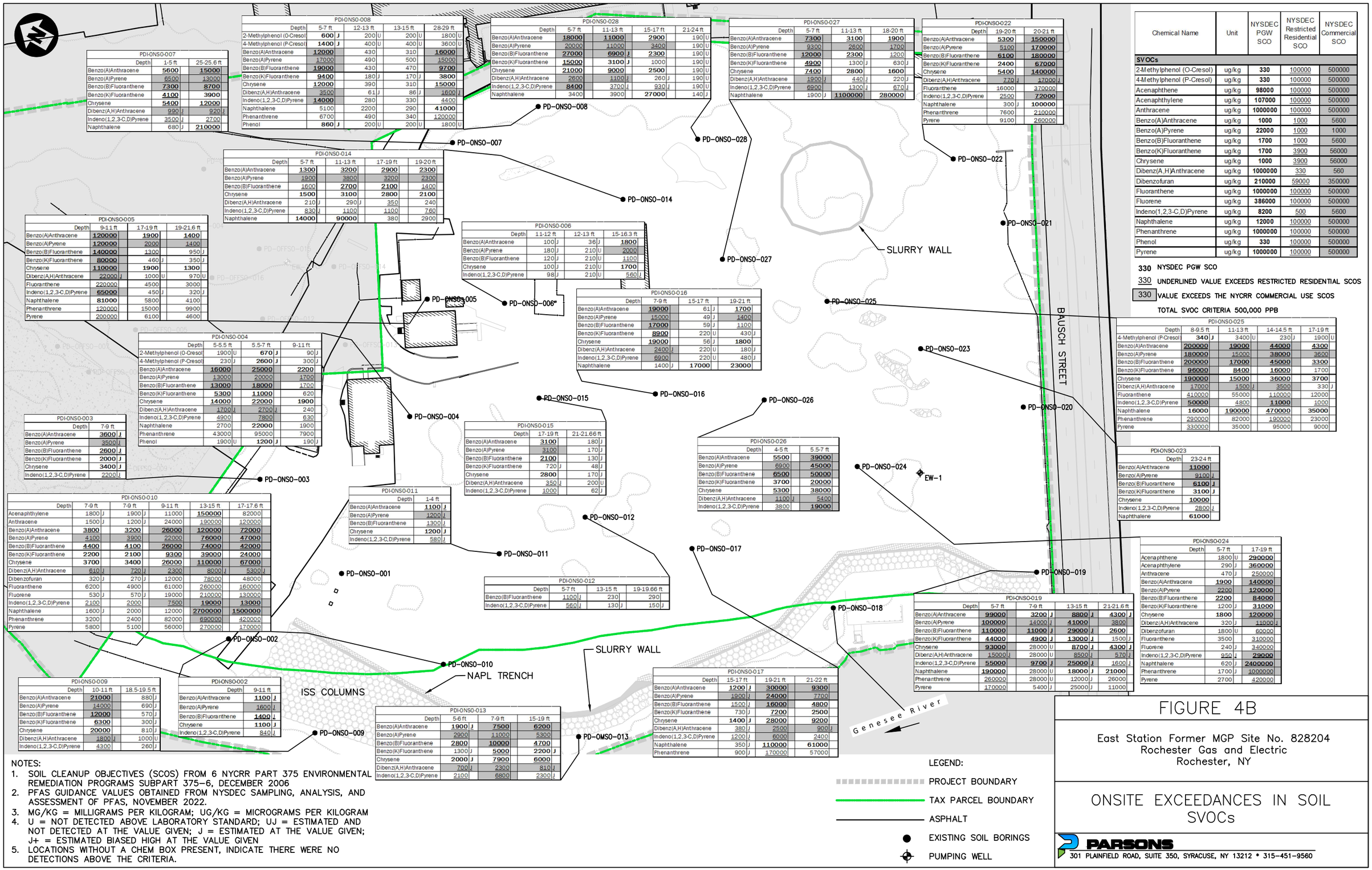
FIGURE 4A

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

ONSITE EXCEEDANCES IN SOIL VOCs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SOIL-TAG_FIGS.DWG
PLOT DATE: 4/18/2024 1:56 PM PLOTTED BY: RUSSO, JILL [US-US]



PDI-ONSO-007

Depth	1-5 ft	25-25.6 ft
Benzo(A)Anthracene	**5600**	**15000**
Benzo(A)Pyrene	6500	13000
Benzo(B)Fluoranthene	**7300**	**8700**
Benzo(K)Fluoranthene	**4100**	**3900**
Chrysene	**5400**	**12000**
Dibenz(A,H)Anthracene	990 J	920 J
Indeno(1,2,3-C,D)Pyrene	3500 J	2700
Naphthalene	680 J	**210000**

PDI-ONSO-008

Depth	5-7 ft	12-13 ft	13-15 ft	28-29 ft
2-Methylphenol (O-Cresol)	**600** J	200 U	200 U	1800 U
4-Methylphenol (P-Cresol)	**1400** J	400 U	400 U	3600 U
Benzo(A)Anthracene	**12000**	430	310	**16000**
Benzo(A)Pyrene	17000	490	500	15000
Benzo(B)Fluoranthene	**19000**	430	470	**9700**
Benzo(K)Fluoranthene	**9400**	180 J	170 J	**3800**
Chrysene	**12000**	390	310	**15000**
Dibenz(A,H)Anthracene	3500	61 J	86 J	1600 J
Indeno(1,2,3-C,D)Pyrene	**14000**	280	330	4400
Naphthalene	5100	2200	290	**41000**
Phenanthrene	6700	490	340	120000
Phenol	**860** J	200 U	200 U	1800 U

PDI-ONSO-028

Depth	5-7 ft	11-13 ft	15-17 ft	21-24 ft
Benzo(A)Anthracene	**18000**	**11000**	**2900**	190 U
Benzo(A)Pyrene	20000	11000	3400	190 U
Benzo(B)Fluoranthene	**27000**	**6900** J	**2300**	190 U
Benzo(K)Fluoranthene	**15000**	**3100** J	1000	190 U
Chrysene	**21000**	**9000**	**2500**	190 U
Dibenz(A,H)Anthracene	2600	1100 J	260 J	190 U
Indeno(1,2,3-C,D)Pyrene	**8400**	3700 J	930 J	190 U
Naphthalene	3400	3900	**27000**	140 J

PDI-ONSO-027

Depth	5-7 ft	11-13 ft	18-20 ft
Benzo(A)Anthracene	**7300**	**3100**	**1900**
Benzo(A)Pyrene	9300	2600	1700
Benzo(B)Fluoranthene	**12000**	**2300**	1200
Benzo(K)Fluoranthene	**4900**	1300 J	630 J
Chrysene	**7400**	**2800**	**1600**
Dibenz(A,H)Anthracene	1900 J	440 J	220 J
Indeno(1,2,3-C,D)Pyrene	6900	1300 J	670 J
Naphthalene	1900 J	**1100000**	**280000**

PDI-ONSO-022

Depth	19-20 ft	20-21 ft
Benzo(A)Anthracene	**5300**	**150000**
Benzo(A)Pyrene	5100	**170000**
Benzo(B)Fluoranthene	**6100**	**180000**
Benzo(K)Fluoranthene	**2400**	**67000**
Chrysene	**5400**	**140000**
Dibenz(A,H)Anthracene	770 J	17000 J
Fluoranthene	16000	370000
Indeno(1,2,3-C,D)Pyrene	2500	**72000**
Naphthalene	300 J	**100000**
Phenanthrene	7600	210000
Pyrene	9100	260000

PDI-ONSO-014

Depth	5-7 ft	11-13 ft	17-19 ft	19-20 ft
Benzo(A)Anthracene	**1300**	**3200**	**2900**	**2300**
Benzo(A)Pyrene	1900	3800	3200	2300
Benzo(B)Fluoranthene	1600	**2700**	**2100**	1400
Chrysene	**1500**	**3100**	**2800**	**2100**
Dibenz(A,H)Anthracene	210 J	290 J	350	240
Indeno(1,2,3-C,D)Pyrene	830 J	1100	1100	760
Naphthalene	**14000**	**90000**	380	2900

PDI-ONSO-005

Depth	9-11 ft	17-19 ft	19-21.6 ft
Benzo(A)Anthracene	**120000**	**1900**	**1400**
Benzo(A)Pyrene	**120000**	2000	1400
Benzo(B)Fluoranthene	**140000**	1300	950 J
Benzo(K)Fluoranthene	**80000**	460 J	350 J
Chrysene	**110000**	**1900**	**1300**
Dibenz(A,H)Anthracene	22000 J	1000 U	970 U
Fluoranthene	220000	4500	3000
Indeno(1,2,3-C,D)Pyrene	**65000**	450 J	320 J
Naphthalene	**81000**	5800	4100
Phenanthrene	120000	15000	9900
Pyrene	200000	6100	4600

PDI-ONSO-006

Depth	11-12 ft	12-13 ft	15-16.3 ft
Benzo(A)Anthracene	100 J	36 J	**1800**
Benzo(A)Pyrene	180 J	210 U	2000
Benzo(B)Fluoranthene	120 J	210 U	1100
Chrysene	100 J	210 U	**1700**
Indeno(1,2,3-C,D)Pyrene	98 J	210 U	560 J

PDI-ONSO-016

Depth	7-9 ft	15-17 ft	19-21 ft
Benzo(A)Anthracene	**19000**	61 J	**1700**
Benzo(A)Pyrene	15000	49 J	1400
Benzo(B)Fluoranthene	**17000**	59 J	1100
Benzo(K)Fluoranthene	**8900**	220 U	430 U
Chrysene	**19000**	56 J	**1800**
Dibenz(A,H)Anthracene	2400 J	220 U	180 J
Indeno(1,2,3-C,D)Pyrene	6900	220 U	480 J
Naphthalene	1400 J	**17000**	**23000**

PDI-ONSO-025

Depth	8-9.5 ft	11-13 ft	14-14.5 ft	17-19 ft
4-Methylphenol (P-Cresol)	**340** J	3400 U	230 J	1900 U
Benzo(A)Anthracene	**200000**	**19000**	**44000**	**4300**
Benzo(A)Pyrene	**180000**	15000	**38000**	3600
Benzo(B)Fluoranthene	**200000**	**17000**	**45000**	**3300**
Benzo(K)Fluoranthene	**96000**	**8400**	**16000**	1700
Chrysene	**190000**	**15000**	**36000**	**3700**
Dibenz(A,H)Anthracene	17000	1500 J	3500	330 J
Fluoranthene	410000	55000	110000	12000
Indeno(1,2,3-C,D)Pyrene	**50000**	4800	**11000**	1000
Naphthalene	**16000**	**190000**	**470000**	**35000**
Phenanthrene	290000	82000	190000	23000
Pyrene	330000	35000	95000	9000

PDI-ONSO-004

Depth	5-5.5 ft	5.5-7 ft	9-11 ft
2-Methylphenol (O-Cresol)	1900 U	**670** J	90 J
4-Methylphenol (P-Cresol)	230 J	**2600** J	300 J
Benzo(A)Anthracene	**16000**	**25000**	**2200**
Benzo(A)Pyrene	13000	20000	1700
Benzo(B)Fluoranthene	**13000**	**18000**	1700
Benzo(K)Fluoranthene	**5300**	**11000**	620
Chrysene	**14000**	**22000**	**1900**
Dibenz(A,H)Anthracene	1700 J	2700 J	240
Indeno(1,2,3-C,D)Pyrene	4900	7800	630
Naphthalene	2700	**22000**	1900
Phenanthrene	43000	95000	7900
Phenol	1900 U	**1200** J	190 J

PDI-ONSO-015

Depth	17-19 ft	21-21.66 ft
Benzo(A)Anthracene	**3100**	180 J
Benzo(A)Pyrene	3100	170 J
Benzo(B)Fluoranthene	2100	130 J
Benzo(K)Fluoranthene	720 J	48 J
Chrysene	**2800**	170 J
Dibenz(A,H)Anthracene	350 J	200 U
Indeno(1,2,3-C,D)Pyrene	1000	62 J

PDI-ONSO-026

Depth	4-5 ft	5.5-7 ft
Benzo(A)Anthracene	**5500**	**39000**
Benzo(A)Pyrene	6900	**45000**
Benzo(B)Fluoranthene	**6500**	**50000**
Benzo(K)Fluoranthene	**3700**	**20000**
Chrysene	**5300**	**38000**
Dibenz(A,H)Anthracene	1100 J	5400
Indeno(1,2,3-C,D)Pyrene	3800	**19000**

PDI-ONSO-003

Depth	7-9 ft
Benzo(A)Anthracene	**3600** J
Benzo(A)Pyrene	3500 J
Benzo(B)Fluoranthene	**2600** J
Benzo(K)Fluoranthene	**2000** J
Chrysene	**3400** J
Indeno(1,2,3-C,D)Pyrene	2200 J

PDI-ONSO-023

Depth	23-24 ft
Benzo(A)Anthracene	**11000**
Benzo(A)Pyrene	9100 J
Benzo(B)Fluoranthene	**6100** J
Benzo(K)Fluoranthene	**3100** J
Chrysene	**10000**
Indeno(1,2,3-C,D)Pyrene	2800 J
Naphthalene	**61000**

PDI-ONSO-010

Depth	7-9 ft	7-9 ft	9-11 ft	13-15 ft	17-17.6 ft
Acenaphthylene	1800 J	1900 J	11000	**150000**	82000
Anthracene	1500 J	1200 J	24000	190000	120000
Benzo(A)Anthracene	**3800**	**3200**	**26000**	**120000**	**72000**
Benzo(A)Pyrene	4100	3900	22000	**76000**	**47000**
Benzo(B)Fluoranthene	**4400**	**4100**	**26000**	**74000**	**42000**
Benzo(K)Fluoranthene	**2200**	**2100**	**9300**	**39000**	**24000**
Chrysene	**3700**	**3400**	**26000**	**110000**	**67000**
Dibenz(A,H)Anthracene	610 J	720 J	2300	8000 J	5300 J
Dibenzofuran	320 J	270 J	12000	78000	48000
Fluoranthene	6200	4900	61000	260000	160000
Fluorene	530 J	570 J	19000	210000	130000
Indeno(1,2,3-C,D)Pyrene	2100	2000	7500	**19000**	**13000**
Naphthalene	1600 J	2000	12000	**2700000**	**1500000**
Phenanthrene	3200	2400	82000	690000	420000
Pyrene	5800	5100	56000	270000	170000

PDI-ONSO-011

Depth	1-4 ft
Benzo(A)Anthracene	**1100** J
Benzo(A)Pyrene	1200 J
Benzo(B)Fluoranthene	1300 J
Chrysene	**1200** J
Indeno(1,2,3-C,D)Pyrene	580 J

PDI-ONSO-012

Depth	5-7 ft	13-15 ft	19-19.66 ft
Benzo(B)Fluoranthene	1100 J	230	290
Indeno(1,2,3-C,D)Pyrene	560 J	130 J	150 J

PDI-ONSO-024

Depth	5-7 ft	17-19 ft
Acenaphthene	1800 U	**290000**
Acenaphthylene	290 J	**360000**
Anthracene	470 J	250000
Benzo(A)Anthracene	**1900**	**140000**
Benzo(A)Pyrene	2200	**120000**
Benzo(B)Fluoranthene	**2200**	**84000**
Benzo(K)Fluoranthene	1200 J	**31000**
Chrysene	**1800**	**120000**
Dibenz(A,H)Anthracene	320 J	11000 J
Dibenzofuran	1800 U	60000
Fluoranthene	3500	310000
Fluorene	240 J	340000
Indeno(1,2,3-C,D)Pyrene	950 J	**29000**
Naphthalene	620 J	**2400000**
Phenanthrene	1700 J	1000000
Pyrene	2700	420000

PDI-ONSO-019

Depth	5-7 ft	7-9 ft	13-15 ft	21-21.6 ft
Benzo(A)Anthracene	**99000**	**3200** J	**8800** J	**4300** J
Benzo(A)Pyrene	**100000**	14000 J	**41000**	3800
Benzo(B)Fluoranthene	**110000**	**11000** J	**29000** J	**2600**
Benzo(K)Fluoranthene	**44000**	**4900** J	**13000** J	1500 J
Chrysene	**93000**	28000 U	**8700** J	**4300** J
Dibenz(A,H)Anthracene	15000 J	28000 U	8500 J	570 J
Indeno(1,2,3-C,D)Pyrene	**55000**	**9700** J	**25000** J	1600 J
Naphthalene	**190000**	28000 U	**18000** J	**21000**
Phenanthrene	260000	28000 U	12000 J	26000
Pyrene	170000	5400 J	25000 J	11000

PDI-ONSO-009

Depth	10-11 ft	18.5-19.5 ft
Benzo(A)Anthracene	**21000**	880 J
Benzo(A)Pyrene	14000	690 J
Benzo(B)Fluoranthene	**12000**	570 J
Benzo(K)Fluoranthene	**6300**	300 J
Chrysene	**20000**	810 J
Dibenz(A,H)Anthracene	1800 J	1000 U
Indeno(1,2,3-C,D)Pyrene	4300	260 J

PDI-ONSO-002

Depth	9-11 ft
Benzo(A)Anthracene	**1100** J
Benzo(A)Pyrene	1600 J
Benzo(B)Fluoranthene	**1400** J
Chrysene	**1100** J
Indeno(1,2,3-C,D)Pyrene	840 J

PDI-ONSO-013

Depth	5-6 ft	7-9 ft	15-19 ft
Benzo(A)Anthracene	**1900** J	**7500**	**6200**
Benzo(A)Pyrene	2900	11000	5300
Benzo(B)Fluoranthene	**2800**	**10000**	**4700**
Benzo(K)Fluoranthene	1300 J	**5000**	**2200** J
Chrysene	**2000** J	**7900**	**6000**
Dibenz(A,H)Anthracene	700 J	2300	810 J
Indeno(1,2,3-C,D)Pyrene	2100	6800	2300 J

PDI-ONSO-017

Depth	15-17 ft	19-21 ft	21-22 ft
Benzo(A)Anthracene	**1200** J	**30000**	**9300**
Benzo(A)Pyrene	1900 J	**24000**	7700
Benzo(B)Fluoranthene	1500 J	**16000**	**4800**
Benzo(K)Fluoranthene	730 J	**7200**	**2500**
Chrysene	**1400** J	**28000**	**9200**
Dibenz(A,H)Anthracene	380 J	2500	900 J
Indeno(1,2,3-C,D)Pyrene	1200 J	6000	2400
Naphthalene	350 J	**110000**	**61000**
Phenanthrene	900 J	170000	57000

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO
SVOCs				
2-Methylphenol (O-Cresol)	ug/kg	**330**	100000	500000
4-Methylphenol (P-Cresol)	ug/kg	**330**	100000	500000
Acenaphthene	ug/kg	**98000**	100000	500000
Acenaphthylene	ug/kg	**107000**	100000	500000
Anthracene	ug/kg	**1000000**	100000	500000
Benzo(A)Anthracene	ug/kg	**1000**	1000	5600
Benzo(A)Pyrene	ug/kg	**22000**	1000	1000
Benzo(B)Fluoranthene	ug/kg	**1700**	1000	5600
Benzo(K)Fluoranthene	ug/kg	**1700**	3900	56000
Chrysene	ug/kg	**1000**	3900	56000
Dibenz(A,H)Anthracene	ug/kg	**1000000**	330	560
Dibenzofuran	ug/kg	**210000**	59000	350000
Fluoranthene	ug/kg	**1000000**	100000	500000
Fluorene	ug/kg	**386000**	100000	500000
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500	5600
Naphthalene	ug/kg	**12000**	100000	500000
Phenanthrene	ug/kg	**1000000**	100000	500000
Phenol	ug/kg	**330**	100000	500000
Pyrene	ug/kg	**1000000**	100000	500000

330 NYSDEC PGW SCO

330 UNDERLINED VALUE EXCEEDS RESTRICTED RESIDENTIAL SCOS

330 VALUE EXCEEDS THE NYCRR COMMERCIAL USE SCOS

TOTAL SVOC CRITERIA 500,000 PPB

NOTES:
1. SOIL CLEANUP OBJECTIVES (SCOS) FROM 6 NYCRR PART 375 ENVIRONMENTAL REMEDIATION PROGRAMS SUBPART 375-6, DECEMBER 2006
2. PFAS GUIDANCE VALUES OBTAINED FROM NYSDEC SAMPLING, ANALYSIS, AND ASSESSMENT OF PFAS, NOVEMBER 2022.
3. MG/KG = MILLIGRAMS PER KILOGRAM; UG/KG = MICROGRAMS PER KILOGRAM
4. U = NOT DETECTED ABOVE LABORATORY STANDARD; UJ = ESTIMATED AND NOT DETECTED AT THE VALUE GIVEN; J = ESTIMATED AT THE VALUE GIVEN; J+ = ESTIMATED BIASED HIGH AT THE VALUE GIVEN
5. LOCATIONS WITHOUT A CHEM BOX PRESENT, INDICATE THERE WERE NO DETECTIONS ABOVE THE CRITERIA.

LEGEND:
- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING SOIL BORINGS
- PUMPING WELL

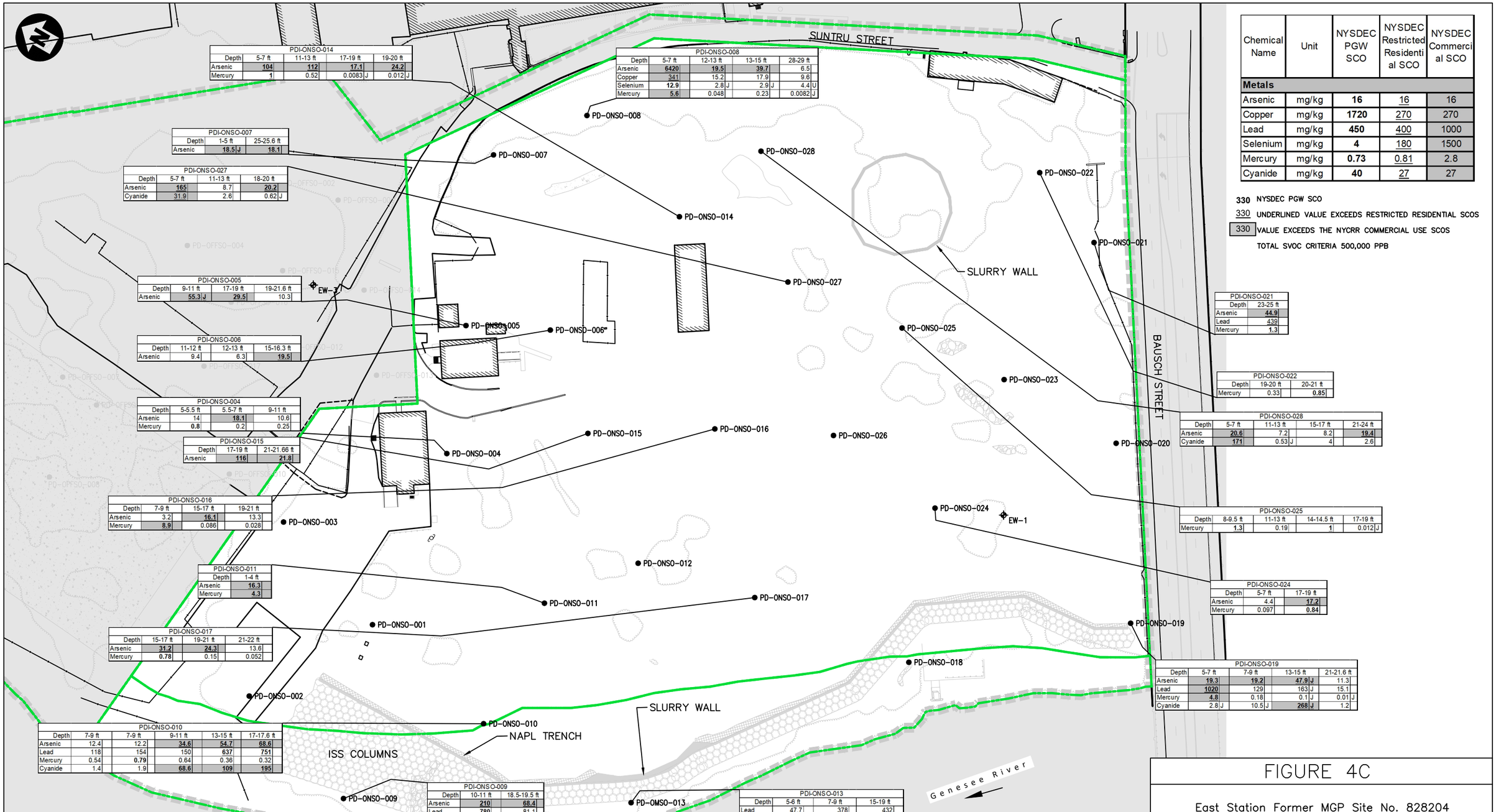
FIGURE 4B

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

ONSITE EXCEEDANCES IN SOIL SVOCs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SOIL-TAG_FIGS.DWG
PLOT DATE: 4/18/2024 1:54 PM PLOTTED BY: RUSSO, JILL [US-US]



PDI-ONSO-014

Depth	5-7 ft	11-13 ft	17-19 ft	19-20 ft
Arsenic	**104**	**112**	**17.1**	**24.2**
Mercury	**1**	0.52	0.0083 J	0.012 J

PDI-ONSO-008

Depth	5-7 ft	12-13 ft	13-15 ft	28-29 ft
Arsenic	**6420**	**19.5**	**39.7**	6.5
Copper	**341**	15.2	17.9	9.6
Selenium	**12.9**	2.8 J	2.9 J	4.4 U
Mercury	**5.6**	0.048	0.23	0.0082 J

PDI-ONSO-007

Depth	1-5 ft	25-25.6 ft
Arsenic	**18.5** J	**18.1**

PDI-ONSO-027

Depth	5-7 ft	11-13 ft	18-20 ft
Arsenic	**165**	8.7	**20.2**
Cyanide	**31.9**	2.6	0.62 J

PDI-ONSO-005

Depth	9-11 ft	17-19 ft	19-21.6 ft
Arsenic	**55.3** J	**29.5**	10.3

PDI-ONSO-006

Depth	11-12 ft	12-13 ft	15-16.3 ft
Arsenic	9.4	6.3	**19.5**

PDI-ONSO-004

Depth	5-5.5 ft	5.5-7 ft	9-11 ft
Arsenic	14	**18.1**	10.6
Mercury	**0.8**	0.2	0.25

PDI-ONSO-015

Depth	17-19 ft	21-21.66 ft
Arsenic	**116**	**21.8**

PDI-ONSO-016

Depth	7-9 ft	15-17 ft	19-21 ft
Arsenic	3.2	**16.1**	13.3
Mercury	**8.9**	0.086	0.028

PDI-ONSO-011

Depth	1-4 ft
Arsenic	**16.3**
Mercury	**4.3**

PDI-ONSO-017

Depth	15-17 ft	19-21 ft	21-22 ft
Arsenic	**31.2**	**24.3**	13.6
Mercury	**0.78**	0.15	0.052

PDI-ONSO-010

Depth	7-9 ft	7-9 ft	9-11 ft	13-15 ft	17-17.6 ft
Arsenic	12.4	12.2	**34.6**	**54.7**	**68.6**
Lead	118	154	150	637	751
Mercury	0.54	**0.79**	0.64	0.36	0.32
Cyanide	1.4	1.9	**68.6**	**109**	**195**

PDI-ONSO-009

Depth	10-11 ft	18.5-19.5 ft
Arsenic	**210**	**68.4**
Lead	**780**	81.1
Mercury	**3.7**	0.15
Cyanide	28.6	**90.6** J

PDI-ONSO-013

Depth	5-6 ft	7-9 ft	15-19 ft
Lead	47.7	378	432
Mercury	0.41	**1.1**	**1.1**
Cyanide	39.8 J	20.9	11.3

PDI-ONSO-021

Depth	23-25 ft
Arsenic	**44.9**
Lead	**439**
Mercury	**1.3**

PDI-ONSO-022

Depth	19-20 ft	20-21 ft
Mercury	0.33	**0.85**

PDI-ONSO-028

Depth	5-7 ft	11-13 ft	15-17 ft	21-24 ft
Arsenic	**20.6**	7.2	8.2	**19.4**
Cyanide	**171**	0.53 J	4	2.6

PDI-ONSO-025

Depth	8-9.5 ft	11-13 ft	14-14.5 ft	17-19 ft
Mercury	**1.3**	0.19	**1**	0.012 J

PDI-ONSO-024

Depth	5-7 ft	17-19 ft
Arsenic	4.4	**17.2**
Mercury	0.097	**0.84**

PDI-ONSO-019

Depth	5-7 ft	7-9 ft	13-15 ft	21-21.6 ft
Arsenic	**19.3**	**19.2**	**47.9** J	11.3
Lead	**1020**	129	163 J	15.1
Mercury	**4.8**	0.18	0.1 J	0.01 J
Cyanide	2.8 J	10.5 J	**268** J	1.2

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Restricted Residential SCO	NYSDEC Commercial SCO
Metals				
Arsenic	mg/kg	**16**	16	16
Copper	mg/kg	**1720**	270	270
Lead	mg/kg	**450**	400	1000
Selenium	mg/kg	**4**	180	1500
Mercury	mg/kg	**0.73**	0.81	2.8
Cyanide	mg/kg	**40**	27	27

330 NYSDEC PGW SCO

330 UNDERLINED VALUE EXCEEDS RESTRICTED RESIDENTIAL SCOS

330 VALUE EXCEEDS THE NYCRR COMMERCIAL USE SCOS

TOTAL SVOC CRITERIA 500,000 PPB

NOTES:
1. SOIL CLEANUP OBJECTIVES (SCOS) FROM 6 NYCRR PART 375 ENVIRONMENTAL REMEDIATION PROGRAMS SUBPART 375-6, DECEMBER 2006
2. PFAS GUIDANCE VALUES OBTAINED FROM NYSDEC SAMPLING, ANALYSIS, AND ASSESSMENT OF PFAS, NOVEMBER 2022.
3. MG/KG = MILLIGRAMS PER KILOGRAM; UG/KG = MICROGRAMS PER KILOGRAM
4. U = NOT DETECTED ABOVE LABORATORY STANDARD; UJ = ESTIMATED AND NOT DETECTED AT THE VALUE GIVEN; J = ESTIMATED AT THE VALUE GIVEN; J+ = ESTIMATED BIASED HIGH AT THE VALUE GIVEN
5. LOCATIONS WITHOUT A CHEM BOX PRESENT, INDICATE THERE WERE NO DETECTIONS ABOVE THE CRITERIA.

LEGEND:
- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING SOIL BORINGS
- PUMPING WELL

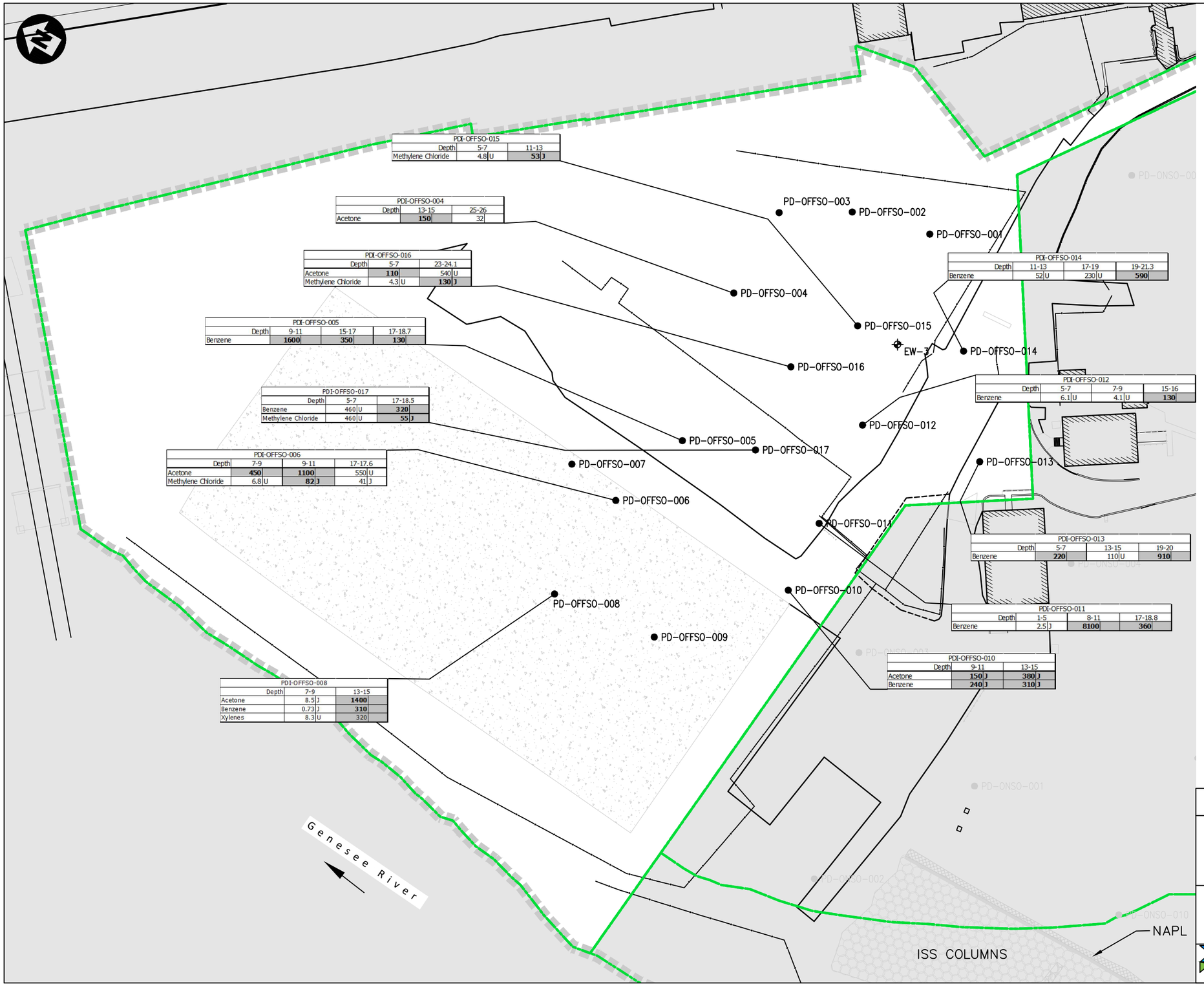
FIGURE 4C

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

ONSITE EXCEEDANCES IN SOIL METALs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SOIL-TAG_FIGS.DWG
PLOT DATE: 4/29/2024 10:21 AM PLOTTED BY: RUSSO, JILL [US-US]



LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING SOIL BORINGS
- PUMPING WELL

NOTES:

1. SOIL CLEANUP OBJECTIVES (SCOS) FROM 6 NYCRR PART 375 ENVIRONMENTAL REMEDIATION PROGRAMS SUBPART 375–6, DECEMBER 2006
2. PFAS GUIDANCE VALUES OBTAINED FROM NYSDEC SAMPLING, ANALYSIS, AND ASSESSMENT OF PFAS, NOVEMBER 2022.
3. MG/KG = MILLIGRAMS PER KILOGRAM; UG/KG = MICROGRAMS PER KILOGRAM
4. U = NOT DETECTED ABOVE LABORATORY STANDARD; UJ = ESTIMATED AND NOT DETECTED AT THE VALUE GIVEN; J = ESTIMATED AT THE VALUE GIVEN; J+ = ESTIMATED BIASED HIGH AT THE VALUE GIVEN
5. LOCATIONS WITHOUT A CHEM BOX PRESENT, INDICATE THERE WERE NO DETECTIONS ABOVE THE CRITERIA.

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Commercial SCO
VOCs			
Acetone	ug/kg	**50**	50
Benzene	ug/kg	**60**	60
Methylene Chloride	ug/kg	**50**	50
Xylenes	ug/kg	1600	260

330 NYSDEC PGW SCO

330 UNDERLINED VALUE EXCEEDS RESTRICTED RESIDENTIAL SCOS

330 VALUE EXCEEDS THE NYCRR COMMERCIAL USE SCOS

TOTAL SVOC CRITERIA 500,000 PPB

80 40 0 80 160

SCALE: 1"=80'

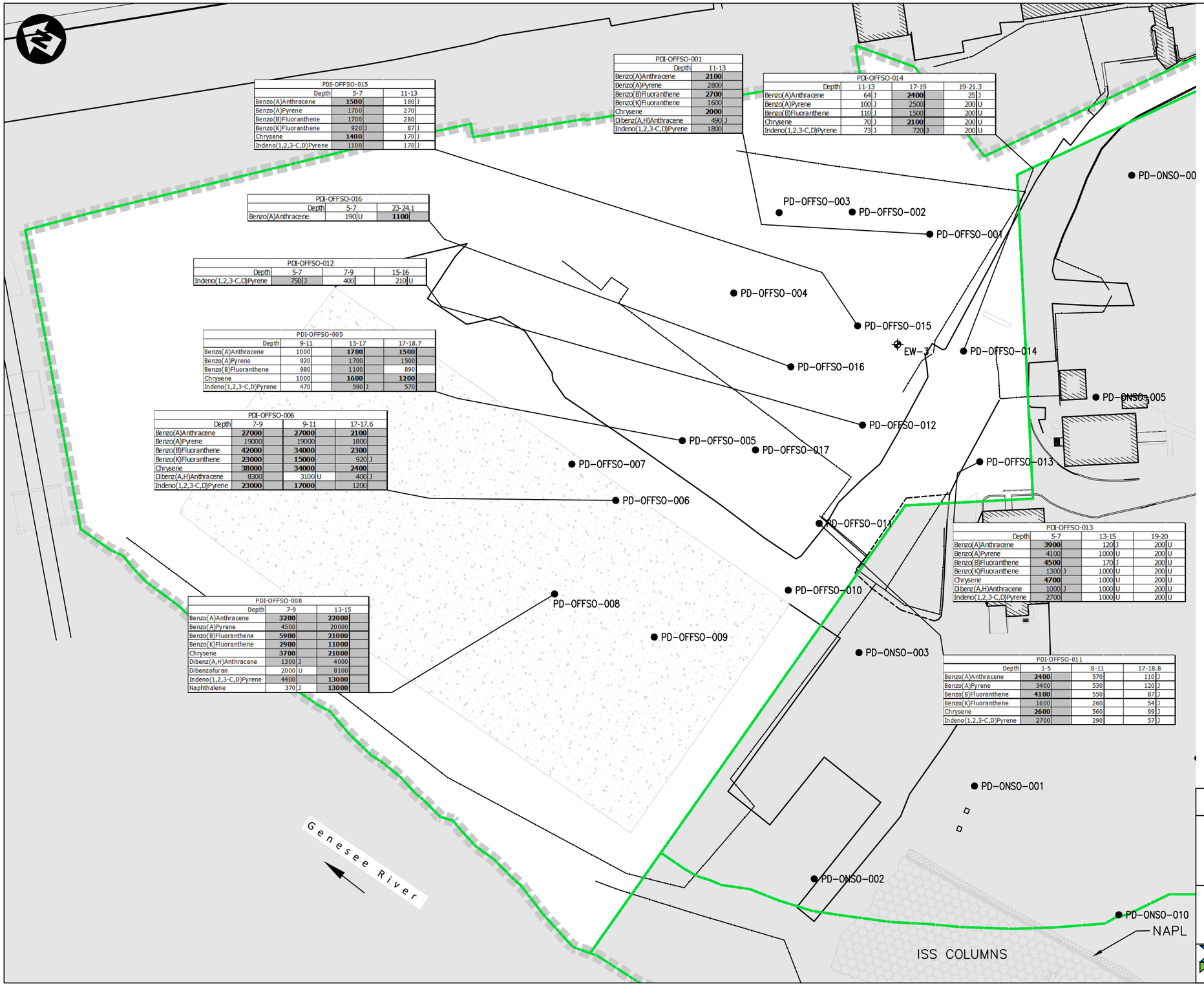
FIGURE 5A

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

OFFSITE EXCEEDANCES IN SOIL VOCs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SOIL-TAG_FIGS.DWG
PLOT DATE: 4/18/2024 1:55 PM PLOTTED BY: RUSSO, JILL [US-US]



LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING SOIL BORINGS
- PUMPING WELL

NOTES:

1. SOIL CLEANUP OBJECTIVES (SCOS) FROM 6 NYCRR PART 375 ENVIRONMENTAL REMEDIATION PROGRAMS SUBPART 375-6, DECEMBER 2006
2. PFAS GUIDANCE VALUES OBTAINED FROM NYSDEC SAMPLING, ANALYSIS, AND ASSESSMENT OF PFAS, NOVEMBER 2022.
3. MG/KG = MILLIGRAMS PER KILOGRAM; UG/KG = MICROGRAMS PER KILOGRAM
4. U = NOT DETECTED ABOVE LABORATORY STANDARD; UJ = ESTIMATED AND NOT DETECTED AT THE VALUE GIVEN; J = ESTIMATED AT THE VALUE GIVEN; J+ = ESTIMATED BIASED HIGH AT THE VALUE GIVEN
5. LOCATIONS WITHOUT A CHEM BOX PRESENT, INDICATE THERE WERE NO DETECTIONS ABOVE THE CRITERIA.

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Commercial SCO
SVOCs			
Benzo(A)Anthracene	ug/kg	**1000**	1000
Benzo(A)Pyrene	ug/kg	22000	1000
Benzo(B)Fluoranthene	ug/kg	**1700**	1000
Benzo(K)Fluoranthene	ug/kg	**1700**	800
Chrysene	ug/kg	**1000**	1000
Dibenz(A,H)Anthracene	ug/kg	1000000	330
Dibenzofuran	ug/kg	210000	7000
Indeno(1,2,3-C,D)Pyrene	ug/kg	**8200**	500
Naphthalene	ug/kg	**12000**	12000

330 NYSDEC PGW SCO

330 UNDERLINED VALUE EXCEEDS RESTRICTED RESIDENTIAL SCOS

330 VALUE EXCEEDS THE NYCRR COMMERCIAL USE SCOS

TOTAL SVOC CRITERIA 500,000 PPB

80 40 0 80 160

SCALE: 1"=80'

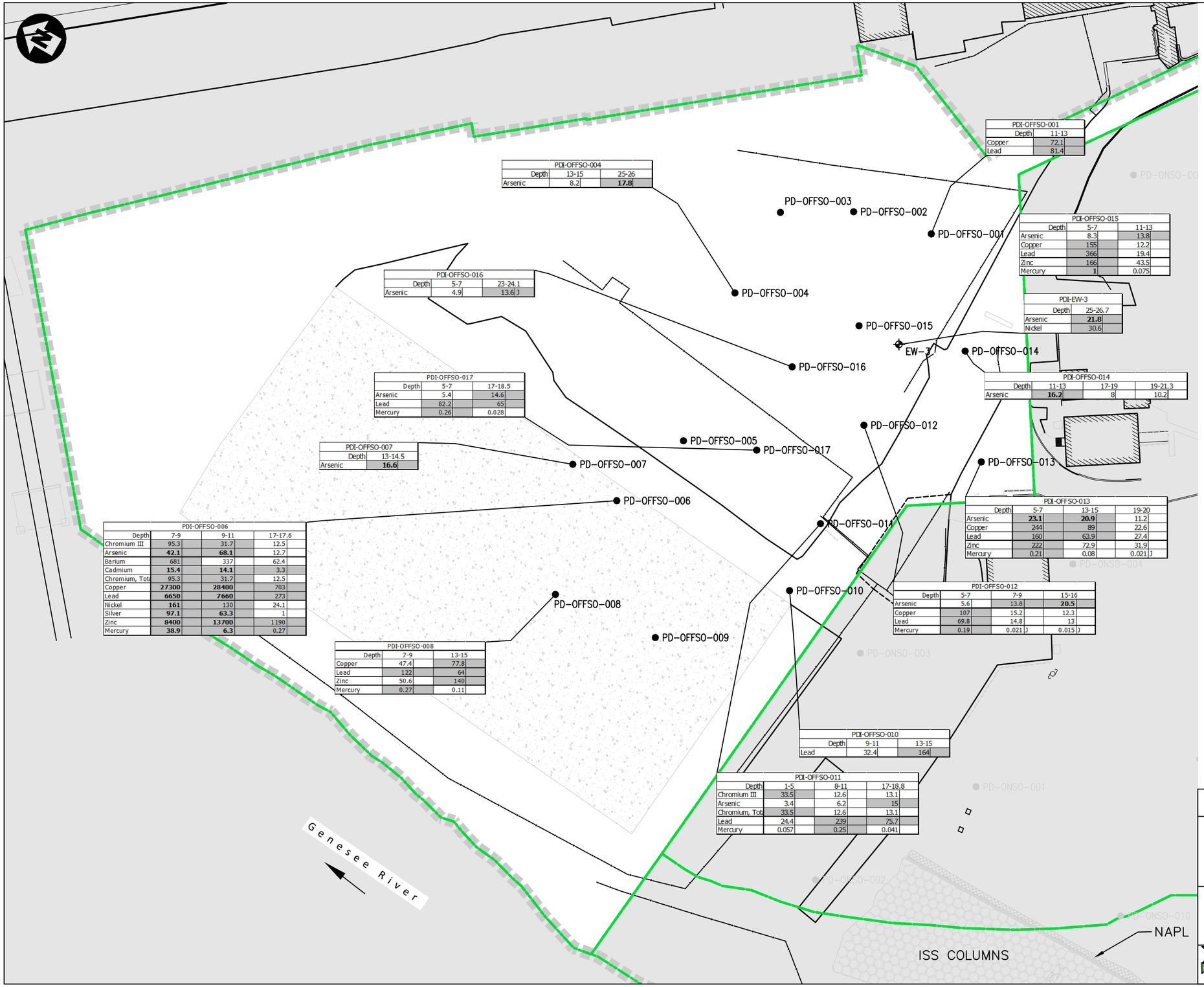
FIGURE 5B

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

OFFSITE EXCEEDANCES IN SOIL SVOCs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SOIL-TAG_FIGS.DWG
PLOT DATE: 4/18/2024 1:53 PM PLOTTED BY: RUSSO, JILL [US-US]



LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING SOIL BORINGS
- PUMPING WELL

NOTES:

1. SOIL CLEANUP OBJECTIVES (SCOS) FROM 6 NYCRR PART 375 ENVIRONMENTAL REMEDIATION PROGRAMS SUBPART 375-6, DECEMBER 2006
2. PFAS GUIDANCE VALUES OBTAINED FROM NYSDEC SAMPLING, ANALYSIS, AND ASSESSMENT OF PFAS, NOVEMBER 2022.
3. MG/KG = MILLIGRAMS PER KILOGRAM; UG/KG = MICROGRAMS PER KILOGRAM
4. U = NOT DETECTED ABOVE LABORATORY STANDARD; UJ = ESTIMATED AND NOT DETECTED AT THE VALUE GIVEN; J = ESTIMATED AT THE VALUE GIVEN; J+ = ESTIMATED BIASED HIGH AT THE VALUE GIVEN
5. LOCATIONS WITHOUT A CHEM BOX PRESENT, INDICATE THERE WERE NO DETECTIONS ABOVE THE CRITERIA.

Chemical Name	Unit	NYSDEC PGW SCO	NYSDEC Commercial SCO
Metals			
Chromium III	mg/kg		30
Arsenic	mg/kg	**16**	13
Barium	mg/kg	820	350
Cadmium	mg/kg	**7.5**	2.5
Chromium, Total	mg/kg		30
Copper	mg/kg	**1720**	50
Lead	mg/kg	**450**	63
Nickel	mg/kg	**130**	30
Silver	mg/kg	**8.3**	2
Zinc	mg/kg	**2480**	109
Mercury	mg/kg	**0.73**	0.18

330 NYSDEC PGW SCO

330 UNDERLINED VALUE EXCEEDS RESTRICTED RESIDENTIAL SCOS

330 VALUE EXCEEDS THE NYCRR COMMERCIAL USE SCOS

TOTAL SVOC CRITERIA 500,000 PPB

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SCALE: 1"=80'

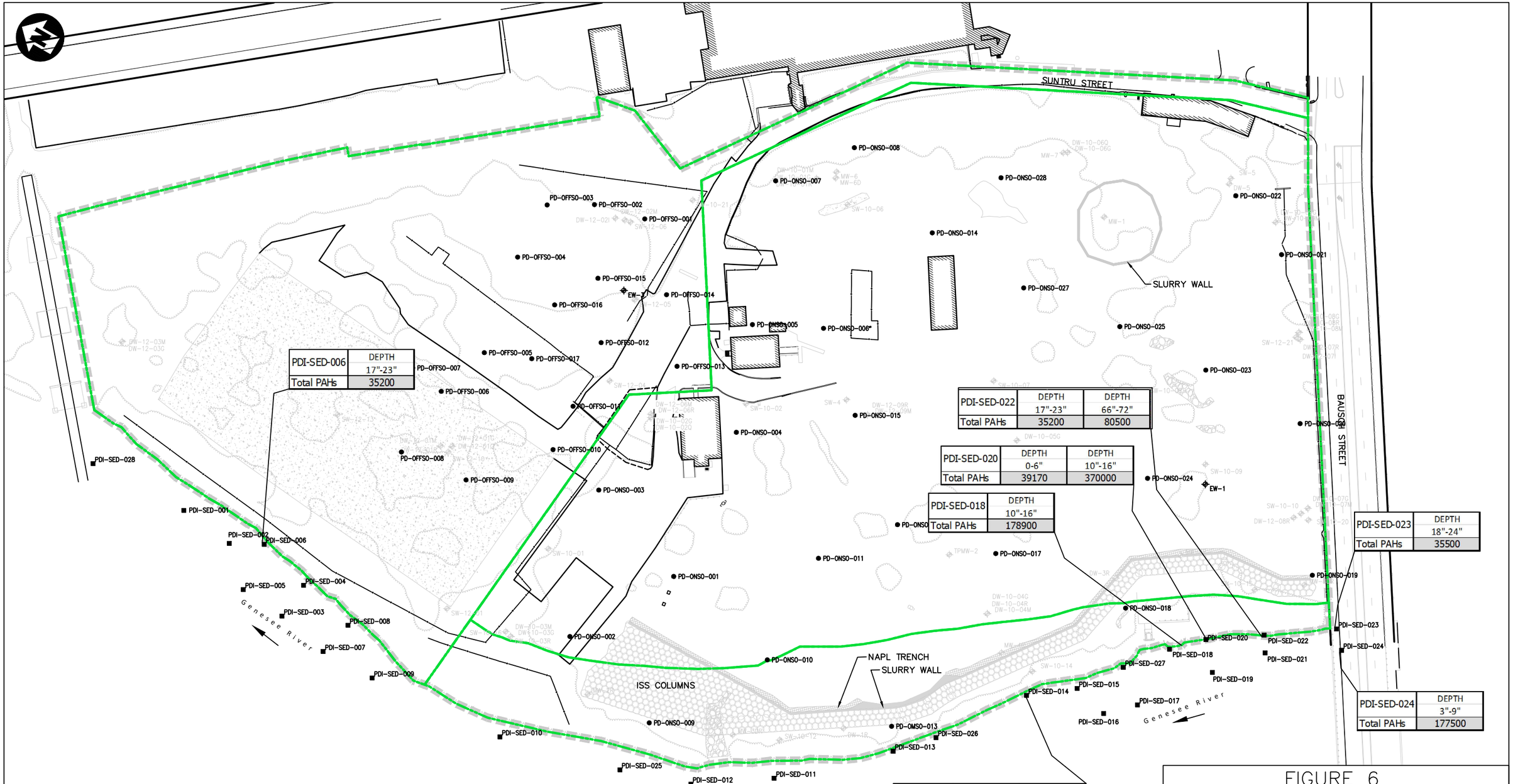
FIGURE 5C

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

OFFSITE EXCEEDANCES IN SOIL METALS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-SOIL-TAG_FIGS.DWG
PLOT DATE: 4/18/2024 1:52 PM PLOTTED BY: RUSSO, JILL [US-US]



PDI-SED-006	DEPTH
	17"-23"
Total PAHs	35200

PDI-SED-022	DEPTH	DEPTH
	17"-23"	66"-72"
Total PAHs	35200	80500

PDI-SED-020	DEPTH	DEPTH
	0-6"	10"-16"
Total PAHs	39170	370000

PDI-SED-018	DEPTH
	10"-16"
Total PAHs	178900

PDI-SED-023	DEPTH
	18"-24"
Total PAHs	35500

PDI-SED-024	DEPTH
	3"-9"
Total PAHs	177500

PDI-SED-014	DEPTH	DEPTH
	60"-66"	66"-72"
Total PAHs	255800	516100

NOTES:
1. SEDIMENT GUIDANCE VALUES (SGVS) FROM SCREENING AND ASSESSMENT OF CONTAMINATED SEDIMENT. NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF FISH, WILDLIFE AND MARINE RESOURCES BUREAU OF HABITAT. JUNE 24, 2014.
2. GREY SHADING INDICATES EXCEEDANCE OF CLASS C SEDIMENT CRITERIA.
3. UG/KG = MICROGRAM PER KILOGRAM.

LEGEND:
- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING ISS COLUMNS
- SEDIMENT SAMPLE LOCATION

	Units	Class SVG Sediments
Total PAHs	ug/kg	35,000

FIGURE 6

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

SEDIMENT EXCEEDANCES

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/7/2024 2:59 PM PLOTTED BY: RUSSO, JILL [US-US]

DW-10-01R	DEPTH 90'-100'
Benzene	1800
Styrene	270
Toluene	1300
Xylenes	250

MW-6D	DEPTH 26.5'-41.5'
Benzene	260
Ethylbenzene	430
Toluene	29
Xylenes	200

DW-10-06G	DEPTH 149'-159'
Acetone	170
Benzene	36

DW-5	DEPTH 40.5'-50.5'
Carbon Disulfide	0.65
Ethylbenzene	2.2
Styrene	74.5
Xylenes	0.25

DW-12-06R	DEPTH 59'-69'
Benzene	4900
Ethylbenzene	2800
Toluene	68 J
Xylenes	2700

DW-10-08R	DEPTH 100'-110'
Benzene	650
Ethylbenzene	110
Styrene	83
Toluene	190
Xylenes	130

DW-10-02G	DEPTH 127'-137'
Benzene	54000
Ethylbenzene	1200
Styrene	7300
Toluene	27000
Xylenes	7100

SW-10-08	DEPTH 19'
Benzene	320
Ethylbenzene	81
Xylenes	27

DW-12-07I	DEPTH 55.4'-65.4'
Benzene	2300
Ethylbenzene	1500
Toluene	130
Xylenes	700

DW-12-07R	DEPTH 82.5'-92.5'
Benzene	6700
Ethylbenzene	240

DW-12-09M	DEPTH 90'-100'
Benzene	2700
Ethylbenzene	4800
Toluene	110
Xylenes	4300

DW-10-03M	DEPTH 71'-81'
Benzene	27000
Ethylbenzene	2200
Xylenes	540 J

DW-10-03R	DEPTH 55'-65'
Benzene	34000
Ethylbenzene	3700
Toluene	1600
Xylenes	1900

DW-10-04M	DEPTH 91'-101'
Benzene	3100
Ethylbenzene	120
Toluene	150
Xylenes	270

SW12-20	DEPTH 71.6'
Benzene	16

SW-10-12	DEPTH 7'-17'
Benzene	260
Ethylbenzene	55
Toluene	6.4 J

MW-3DR	DEPTH 23.2'-33.2'
Benzene	10000
Ethylbenzene	4600
Styrene	1500
Toluene	6800
Xylenes	5200

MW-8DR	DEPTH 27'-37'
Benzene	5700
Ethylbenzene	920
Xylenes	180 J

SW-10-15	DEPTH 12'-22'
Benzene	760
Ethylbenzene	110
Xylenes	16 J

SUNTRU STREET

BAUSCH STREET

SLURRY WALL

NAPL TRENCH

SLURRY WALL

ISS COLUMNS

Genesee River

NOTES:
1. RESULTS COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), CLASS GA STANDARDS AND GUIDANCE VALUES, REVISED JUNE 1998.
2. QUALIFIERS: J = ESTIMATED VALUE
3. GREY SHADING INDICATES COMPOUND EXCEEDED ITS RESPECTIVE SGV.

LEGEND:
- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING ISS COLUMNS

VOCs	Units	Class GA SGV Criteria
Acetone	ug/L	50
Benzene	ug/L	1
Carbon Disulfide	ug/L	60
Ethylbenzene	ug/L	5
Methyl Ethyl Ketone (2-Butanone)	ug/L	50
Styrene	ug/L	5
Toluene	ug/L	5
Xylenes	ug/L	5

FIGURE 7A

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

GROUNDWATER ONSITE EXCEEDANCES VOCs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/20/2024 2:19 PM PLOTTED BY: RUSSO, JILL [US-US]

DW-10-01R	DEPTH
	90'-100'
Naphthalene	380

MW-6D	DEPTH
	26.5'-41.5'
2,4-Dimethylphenol	1.7 J
Acenaphthene	67 J
Naphthalene	510

DW-10-06G	DEPTH
	149'-159'
Phenol	3.2 J

DW-5	DEPTH
	40.5'-50.5'
2,4-Dimethylphenol	970
Naphthalene	430
Phenol	940
1,4-Dioxane (P-Dioxane)	1.9

DW-12-06R	DEPTH
	59'-69'
2,4-Dimethylphenol	12
Acenaphthene	140 J
Naphthalene	8200
Phenol	7.8

DW-10-02G	DEPTH
	127'-137'
2,4-Dimethylphenol	220 J
Naphthalene	2200
Phenol	11

SW-10-07	DEPTH
	22'
Pentachlorophenol	2.8 J

SW-10-09	DEPTH
	16'-26'
Naphthalene	18

SW-10-08	DEPTH
	19'
Acenaphthene	110
Naphthalene	210
Phenol	5.2 J

DW-10-08R	DEPTH
	100'-110'
Naphthalene	260

DW-12-07R	DEPTH
	82.5'-92.5'
2,4-Dimethylphenol	23
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	3.5 J
Naphthalene	450
Phenol	5

DW-12-07I	DEPTH
	55.4'-65.4'
2,4-Dimethylphenol	24 J
Acenaphthene	140
Naphthalene	530

DW-10-03M	DEPTH
	71'-81'
2,4-Dimethylphenol	35
Acenaphthene	76 J
Naphthalene	1500
Phenol	57

DW-10-03R	DEPTH
	55'-65'
2,4-Dimethylphenol	53
Acenaphthene	89 J
Naphthalene	2900
Phenol	68

DW-12-09M	DEPTH
	90'-100'
Acenaphthene	140 J
Benzo(A)Pyrene	0.54 J
Chrysene	0.47 J
Naphthalene	9900

DW-10-04M	DEPTH
	91'-101'
2,4-Dimethylphenol	8
Naphthalene	190
Phenol	22

SW12-20	DEPTH
	71.6'
Acenaphthene	120

MW-8DR	DEPTH
	27'-37'
2,4-Dimethylphenol	3.9 J
Acenaphthene	61
Naphthalene	2200
Phenol	21

MW-3DR	DEPTH
	23.2'-33.2'
Acenaphthene	38 J
Naphthalene	4900

SW-10-15	DEPTH
	12'-22'
2,4-Dimethylphenol	1.3 J
Acenaphthene	170
Benzo(A)Anthracene	0.42 J
Chrysene	0.35 J
Phenol	16

SUNTRU STREET

BAUSCH STREET

SLURRY WALL

NAPL TRENCH

SLURRY WALL

ISS COLUMNS

NOTES:
1. RESULTS COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), CLASS GA STANDARDS AND GUIDANCE VALUES, REVISED JUNE 1998.
2. QUALIFIERS: J = ESTIMATED VALUE.
3. GREY SHADING INDICATES COMPOUND EXCEEDED ITS RESPECTIVE SGV.

LEGEND:
- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- SAMPLE LOCATION

SVOCs	Unit	Class GA SGV Criteria
2,4-Dimethylphenol	ug/L	1
Acenaphthene	ug/L	20
Benzo(A)Anthracene	ug/L	0.002
Benzo(A)Pyrene	ug/L	0
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	1
Chrysene	ug/L	0.002
Naphthalene	ug/L	10
Pentachlorophenol	ug/L	1
Phenol	ug/L	1
1,4-Dioxane (P-Dioxane)	ug/L	0.35

FIGURE 7B

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

GROUNDWATER ONSITE EXCEEDANCES SVOCs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/20/2024 2:18 PM PLOTTED BY: RUSSO, JILL [US-US]

DW-10-01R	DEPTH 90'-100'
Barium	1.5
Iron	5.4
Magnesium	230
Manganese	1.2
Sodium	12200

MW-6D	DEPTH 26.5'-41.5'
Iron	4.6
Magnesium	266
Sodium	760

MW-07	DEPTH 16.5'-26.5'
Iron	1.3
Magnesium	56.9
Selenium	0.065
Sodium	593

DW-10-06G	DEPTH 149'-159'
Arsenic	0.12
Barium	1.1
Iron	0.7
Lead	0.24 J
Magnesium	1550
Manganese	5.5
Sodium	50300

DW-5	DEPTH 40.5'-50.5'
Chromium, Total	0.65
Iron	2.2
Magnesium	74.5
Nickel	0.25
Sodium	1910

SW12-21	DEPTH 286'
Manganese	0.37 J+
Sodium	540

DW-10-08R	DEPTH 100'-110'
Iron	9.2
Sodium	3340

DW-12-07I	DEPTH 55.4'-65.4'
Iron	0.58
Magnesium	203
Sodium	298

DW-12-07R	DEPTH 82.5'-92.5'
Arsenic	0.04
Iron	25.7
Magnesium	237
Manganese	0.83
Sodium	8850

SW-10-09	DEPTH 16'-26'
Iron	0.92
Sodium	281

SW12-20	DEPTH 71.6'
Iron	0.74
Magnesium	37.5
Sodium	563

MW-8DR	DEPTH 27'-37'
Barium	1.1
Iron	3.3
Magnesium	61.2
Sodium	347

SW-10-15	DEPTH 12'-22'
Iron	0.61
Magnesium	91
Sodium	213

DW-12-06R	DEPTH 59'-69'
Iron	3.1
Magnesium	46.5
Sodium	389

DW-10-02G	DEPTH 127'-137'
Barium	1.9
Iron	62
Lead	0.11 J
Magnesium	862
Manganese	7.5
Nickel	0.21
Sodium	27700

SW-10-02	DEPTH 90'-105'
Arsenic	0.27
Iron	0.88
Magnesium	121
Sodium	513

DW-10-03M	DEPTH 71'-81'
Iron	2.6
Magnesium	58.5
Sodium	3310

DW-10-03R	DEPTH 55'-65'
Iron	1.4
Magnesium	64.9
Sodium	2690

DW-12-09M	DEPTH 90'-100'
Iron	2.5
Magnesium	85.5
Sodium	538

SW-10-12	DEPTH 7'-17'
Iron	14.8
Magnesium	68.7
Sodium	352

MW-3DR	DEPTH 23.2'-33.2'
Iron	0.73
Magnesium	91.4
Sodium	568

MW-2R	DEPTH 10.5'-15.5'
Arsenic	0.04
Iron	22.6
Sodium	933

SW-10-07	DEPTH 22'
Arsenic	0.27
Iron	0.88
Magnesium	121
Sodium	513

SW-10-08	DEPTH 19'
Iron	0.8
Magnesium	49
Sodium	320

DW-10-04M	DEPTH 91'-101'
Iron	9.2
Magnesium	96.1
Manganese	0.44
Sodium	5280

Metals	Unit	Class GA SGV Criteria
Aluminum	mg/L	0.1
Arsenic	mg/L	0.025
Barium	mg/L	1
Chromium, Total	mg/L	0.05
Cobalt	mg/L	0.005
Iron	mg/L	0.3
Lead	mg/L	0.025
Magnesium	mg/L	35
Manganese	mg/L	0.3
Nickel	mg/L	0.1
Selenium	mg/L	0.01
Sodium	mg/L	20

SUNTRU STREET

BAUSCH STREET

SLURRY WALL

NAPL TRENCH

SLURRY WALL

ISS COLUMNS

Genesee River

NOTES:
1. RESULTS COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), CLASS GA STANDARDS AND GUIDANCE VALUES, REVISED JUNE 1998.
2. QUALIFIERS: J = ESTIMATED VALUE
3. GREY SHADING INDICATES COMPOUND EXCEEDED ITS RESPECTIVE SGV.

LEGEND:
- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- EXISTING ISS COLUMNS

FIGURE 7C

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

GROUNDWATER ONSITE EXCEEDANCES METALs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/20/2024 2:09 PM PLOTTED BY: RUSSO, JILL [US-US]

MW-07	DEPTH
	16.5'-26.5'
PFOS	5.1 J

SW-10-07	DEPTH
	22'
PFOS	7

SW-10-08	DEPTH
	19'
PFOS	8.1

SW-12-21	DEPTH
	286'
PFOS	4.1

DW-12-06R	DEPTH
	59'-69'
PFOS	3.5 J

SW-10-09	DEPTH
	16'-26'
PFOS	4.6

SW-10-15	DEPTH
	12'-22'
PFOS	5.1

MW-8DR	DEPTH
	27'-37'
PFOS	4.3 JN

MW-2R	DEPTH
	10.5'-15.5'
PFOS	40
PFOA	24

SW-10-12	DEPTH
	7'-17'
PFOS	11

PFAS	Unit	Class GA SGV Criteria
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7
Perfluorooctanoic acid (PFOA)	ng/l	6.7

NOTES:
1. RESULTS COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), CLASS GA STANDARDS AND GUIDANCE VALUES, REVISED JUNE 1998.
2. QUALIFIERS: J = ESTIMATED VALUE
3. GREY SHADING INDICATES COMPOUND EXCEEDED ITS RESPECTIVE SGV.

LEGEND:
- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- SAMPLE LOCATION

FIGURE 7D

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

GROUNDWATER ONSITE EXCEEDANCES PFAs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/20/2024 2:17 PM PLOTTED BY: RUSSO, JILL [US-US]

DW-12-02M	DEPTH 90'-105'	
Acetone	53	
Benzene	150	
Toluene	41	
Xylenes	11	

DW-12-01M	DEPTH 74'-84'	
Benzene	2600	
Ethylbenzene	1200	
Toluene	56	J
Xylenes	1000	

DW-12-01R	DEPTH 8.5'-18.5'	
Benzene	19000	
Ethylbenzene	6300	
Toluene	680	
Xylenes	4000	

SW-12-13	DEPTH 5'-15'	
Iron	7.4	
Magnesium	80.9	
Manganese	0.85	
Sodium	412	

SW-12-04	DEPTH 4'-14'
Benzene	23

LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- SAMPLE LOCATION

VOCs	Unit	Class GA SGV Criteria
Acetone	ug/L	50
Benzene	ug/L	1
Carbon Disulfide	ug/L	60
Ethylbenzene	ug/L	5
Methyl Ethyl Ketone (2-Butanone)	ug/L	50
Styrene	ug/L	5
Toluene	ug/L	5
Xylenes	ug/L	5

NOTES:
1. RESULTS COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), CLASS GA STANDARDS AND GUIDANCE VALUES, REVISED JUNE 1998.
2. QUALIFIERS: J = ESTIMATED VALUE
3. GREY SHADING INDICATES COMPOUND EXCEEDED ITS RESPECTIVE SGV.

80 40 0 80 160

SCALE: 1"=80'

FIGURE 8A

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

GROUNDWATER OFFSITE EXCEEDANCES VOCs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/20/2024 2:23 PM PLOTTED BY: RUSSO, JILL [US-US]

DW-12-01M	DEPTH 74'-84'	
2,4-Dimethylphenol	5.2	J
Acenaphthene	32	
Naphthalene	2200	

DW-12-01R	DEPTH 8.5'-18.5'	
Acenaphthene	140	
Naphthalene	9700	
Phenol	36	

SW-12-04	DEPTH 4'-14'	
Benzene	23	

LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- SAMPLE LOCATION

NOTES:
1. RESULTS COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), CLASS GA STANDARDS AND GUIDANCE VALUES, REVISED JUNE 1998.
2. QUALIFIERS: J = ESTIMATED VALUE
3. GREY SHADING INDICATES COMPOUND EXCEEDED ITS RESPECTIVE SGV.

SVOCs	Unit	Class GA SGV Criteria
2,4-Dimethylphenol	ug/L	1
Acenaphthene	ug/L	20
Benzo(A)Anthracene	ug/L	0.002
Benzo(A)Pyrene	ug/L	0
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	1
Chrysene	ug/L	0.002
Naphthalene	ug/L	10
Pentachlorophenol	ug/L	1
Phenol	ug/L	1
1,4-Dioxane (P-Dioxane)	ug/L	0.35

80 40 0 80 160

SCALE: 1"=80'

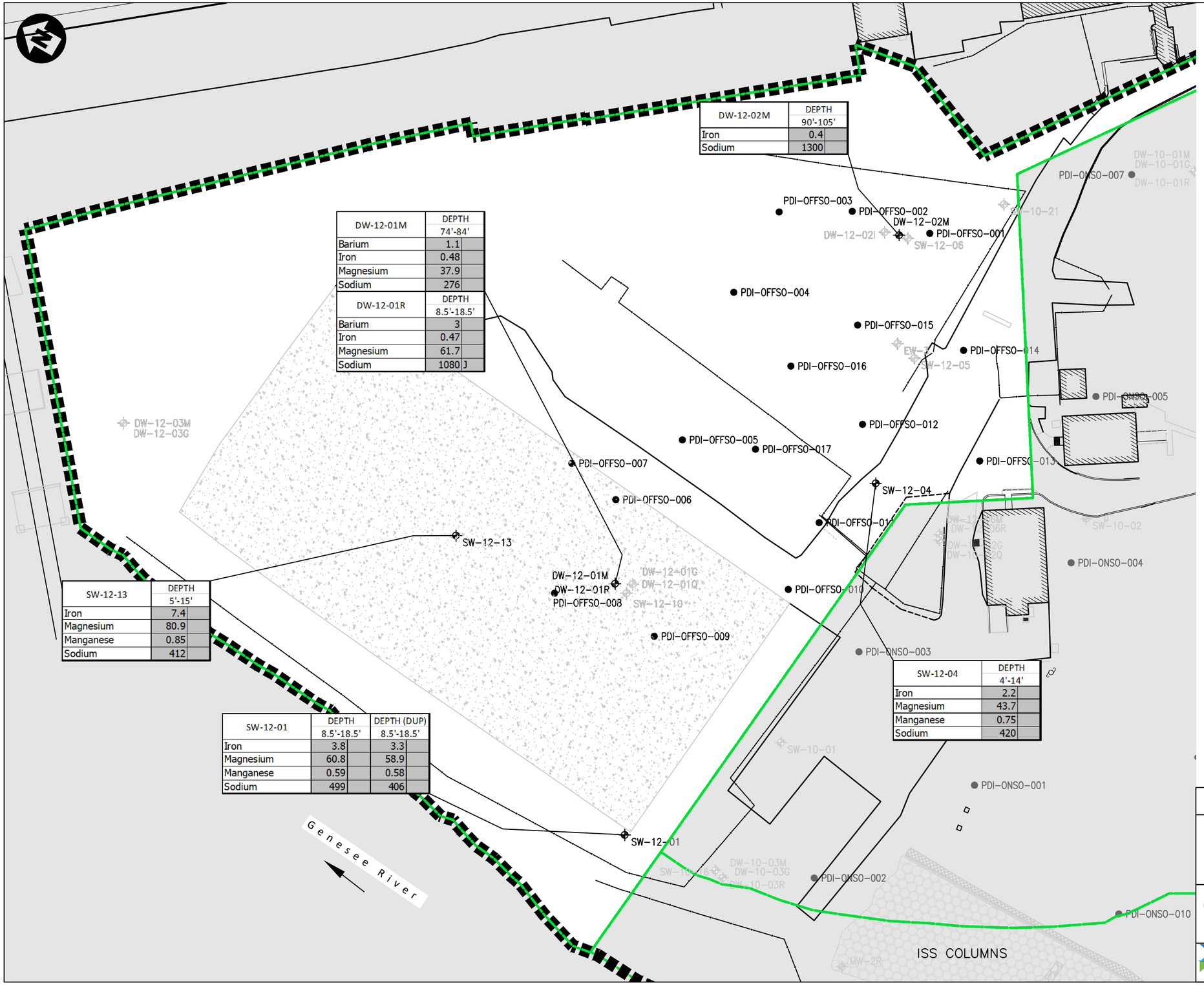
FIGURE 8B

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

GROUNDWATER OFFSITE EXCEEDANCES SVOCs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/20/2024 2:23 PM PLOTTED BY: RUSSO, JILL [US-US]



LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- SAMPLE LOCATION

NOTES:

1. RESULTS COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), CLASS GA STANDARDS AND GUIDANCE VALUES, REVISED JUNE 1998.
2. QUALIFIERS: J = ESTIMATED VALUE
3. GREY SHADING INDICATES COMPOUND EXCEEDED ITS RESPECTIVE SGV.

Metals	Unit	Class GA SGV Criteria
Aluminum	mg/L	0.1
Arsenic	mg/L	0.025
Barium	mg/L	1
Chromium, Total	mg/L	0.05
Cobalt	mg/L	0.005
Iron	mg/L	0.3
Lead	mg/L	0.025
Magnesium	mg/L	35
Manganese	mg/L	0.3
Nickel	mg/L	0.1
Selenium	mg/L	0.01
Sodium	mg/L	20

80 40 0 80 160

SCALE: 1"=80'

FIGURE 8C

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

GROUNDWATER OFFSITE EXCEEDANCES METALS

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/20/2024 2:24 PM PLOTTED BY: RUSSO, JILL [US-US]

LEGEND:

- PROJECT BOUNDARY
- TAX PARCEL BOUNDARY
- ASPHALT
- SAMPLE LOCATION

NOTES:
1. RESULTS COMPARED TO NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, TECHNICAL AND OPERATIONAL GUIDANCE SERIES (1.1.1), CLASS GA STANDARDS AND GUIDANCE VALUES, REVISED JUNE 1998.
2. QUALIFIERS: J = ESTIMATED VALUE
3. GREY SHADING INDICATES COMPOUND EXCEEDED ITS RESPECTIVE SGV.

PFAS	Unit	Class GA SGV Criteria
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7
Perfluorooctanoic acid (PFOA)	ng/l	6.7

SW-12-01	DEPTH	DEPTH (DUP)
	8.5'-18.5'	8.5'-18.5'
PFOS	13	14

80 40 0 80 160

SCALE: 1"=80'

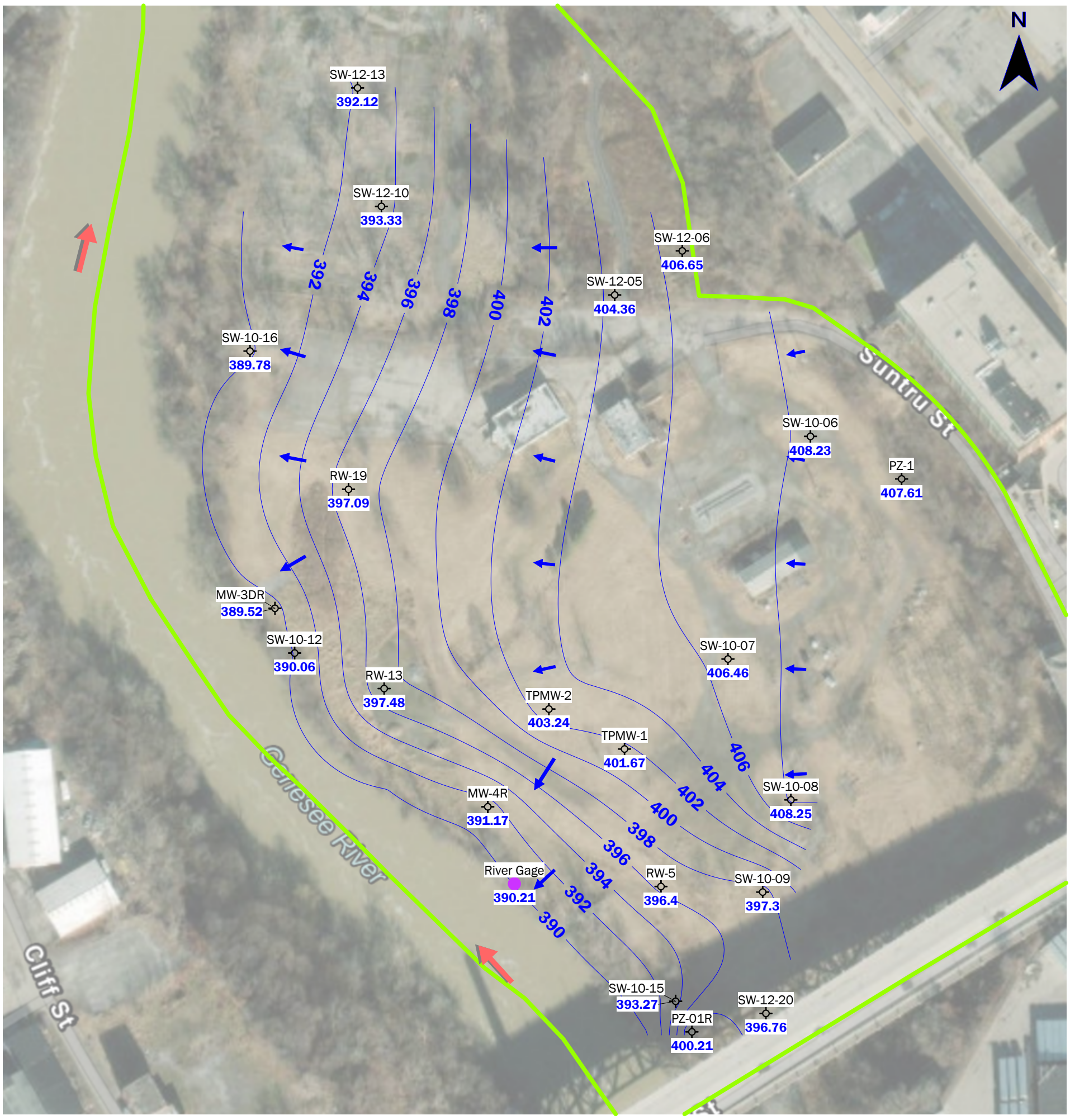
FIGURE 8D

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

GROUNDWATER OFFSITE EXCEEDANCES PFAs

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

FILE NAME: P:\IBERDROLA_AVANGRID\453121 EAST STATION\9.0 TECHNICAL CATEGORIES\CAD\FIGURES\PDI\453121-GW-TAG_FIGS.DWG
PLOT DATE: 5/20/2024 2:26 PM PLOTTED BY: RUSSO, JILL [US-US]



Contour Interval = 2 feet

Elevation datum feet AMSL

*Note:
1. PZ-01 was omitted from groundwater contour estimation due to anomalously low water level.
2. Control points used for estimating water elevation of the river downstream of the staff gauge, based on river elevation estimates.
3. River staff gage location is approximated from GPS data.

RG&E East Station Hydrogeologic Investigation

Figure 9
Overburden Potentiometric Surface Map
April 4, 2024

PARSONS®

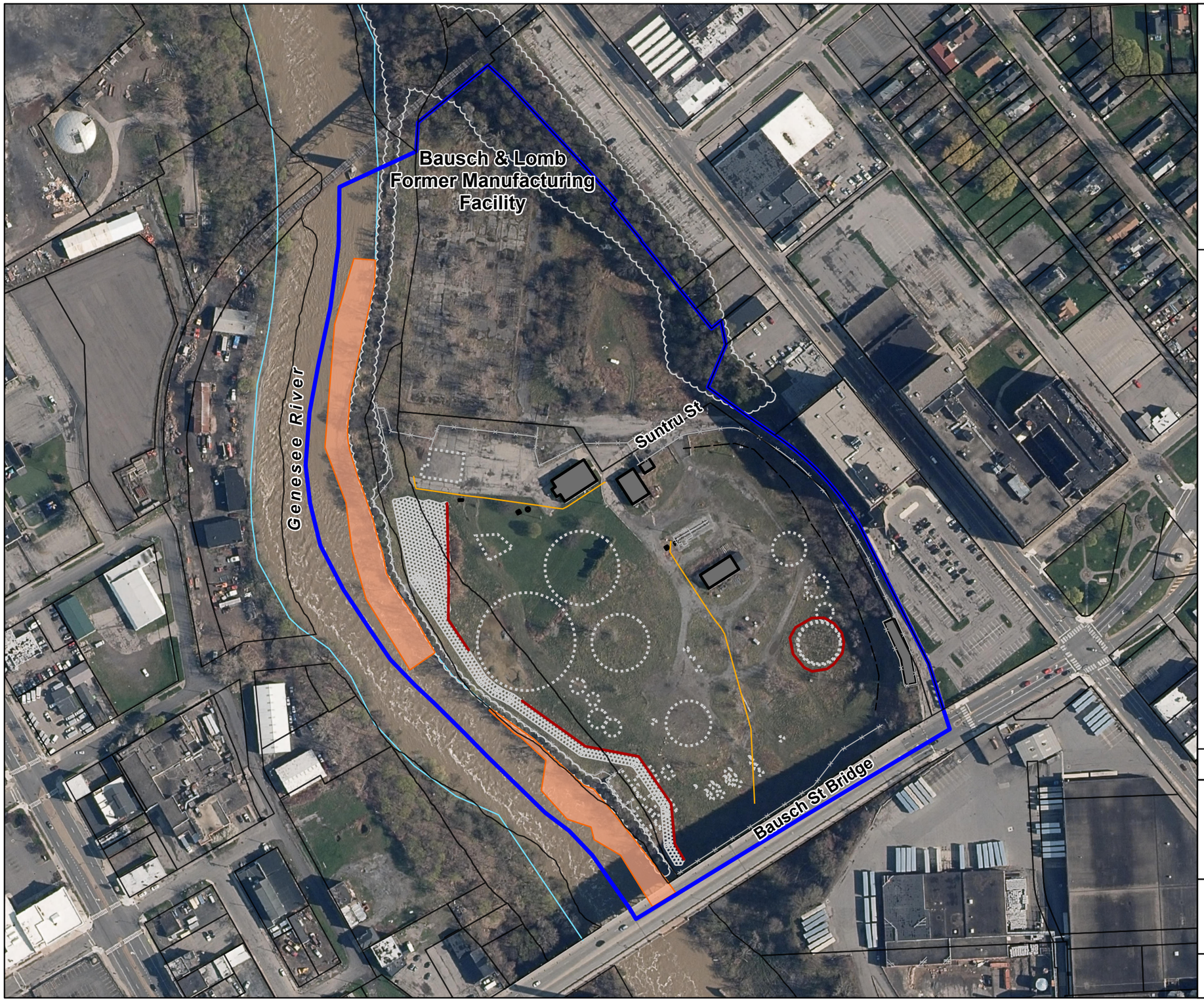
40 La Riviere Dr, Suite 122
Buffalo, NY 14202
(716) 541-0730

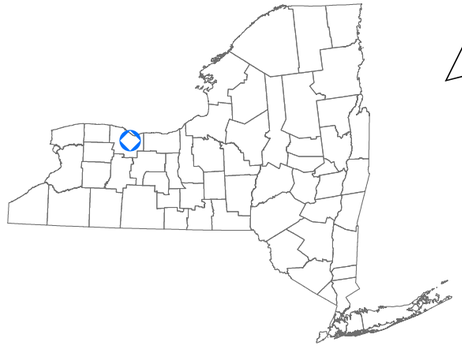
LEGEND

SW-10-08	Well ID		Site Boundary		Monitoring Well
400.00	Water Elevation (amsl)		Contours		River Gage
	Flow Direction	398	Contour Interval		River Flow Direction

Created by: M. Hambrick	Date: 4/19/2024	
Checked by: J. Schuetz	Date: 4/19/2024	
Project Manager: A. Burnham	Date: 4/19/2024	Job Number: 453550.07000

\\NYSYR04FS01\Iberdrola_Avangrid\453121 East Station\8.0 Reports\8.1 Pre Design Investigation\Figures\EastStation_Potentiometric_Surface_04-24.pdf





- River Bank
- Existing Tree Line
- Toe of Slope
- Existing Fence
- Existing Gas Line
- Existing Building
- Former/Inactive Structures and Features
- Existing ISS Columns
- Existing Slurry Wall
- Project Boundary
- Limits of Excavation (In-River) (Note 2)

Notes:
1) Parcel Boundaries obtained from City of Rochester Tax Parcel Records
2) Mussel Survey to be conducted within limits of excavation (in-river).
The survey of any buffer areas to be conducted in consultation with NYSDEC

0 200 400 600 Feet

Figure 10

East Station Former MGP Site No. 828204
Rochester Gas and Electric
Rochester, NY

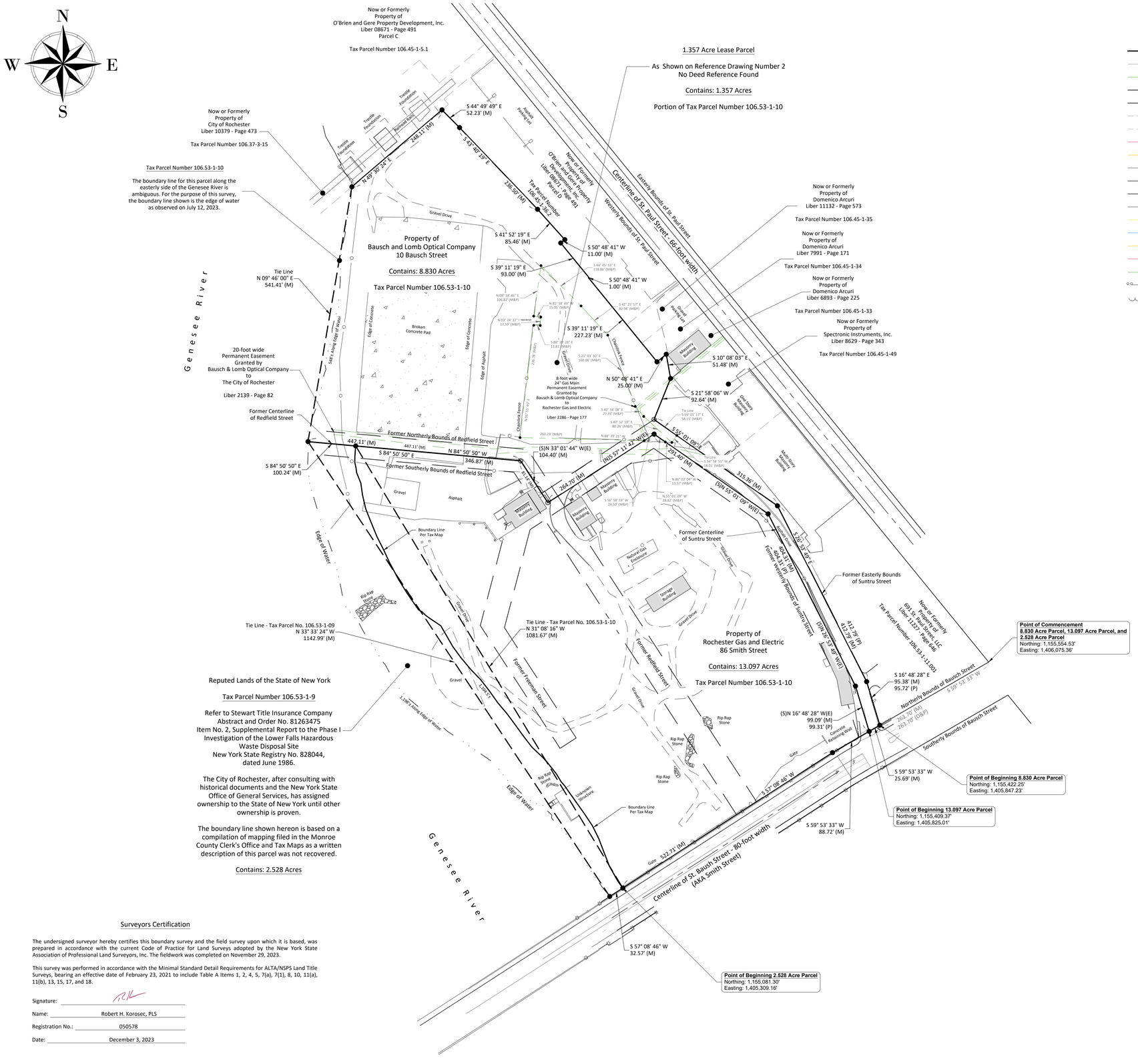
Mussel Survey Area

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plotted By:
Plot Date: 2/2/2023

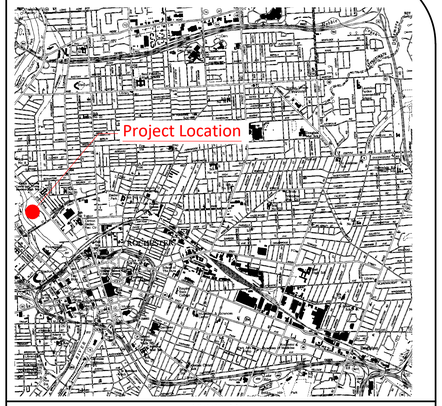
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APPENDIX A AMERICAN LAND TITLE ASSOCIATION (ALTA) TOPOGRAPHIC SURVEY



Legend

- Boundary Line
- Adjoiner Deed Line
- Easement
- Road Right-of-Way or Bounds
- Former Road Bounds
- 400 Major Contour
- 401 Minor Contour
- OHE Overhead Electric
- OHC Overhead Communication
- OHU Overhead Utilities
- Centerline of Road
- Edge of Water as Surveyed on July 12, 2023
- Chain Link Fence
- GAS Natural Gas Line
- W Waterline
- COMM Communication Line
- UGE Electric Line
- Storm/Sanitary Pipe
- Guide Rail
- Edge of Woods/Brush
- FF = 416.13' Finished Floor
- Utility Pole
- Guy Anchor
- Utility Pole with Light
- Light Pole
- Street Light
- E Electric Manhole
- T Traffic Manhole
- D Storm Manhole
- Catch Basin
- S Sanitary Manhole
- Sanitary Cleanout
- Hydrant
- WV Water Valve
- PIV
- W Water Manhole
- Water Shutoff
- Natural Gas Valve
- Natural Gas Marker
- G Natural Gas Manhole
- Found Monument (as noted)
- Set 5/8-inch rebar and yellow plastic cap stamped "R. Korosec 050578" or as noted
- Point Not Monumented
- (D) Deeded Distance
- (M) Measured Distance
- (P) Platted Distance



Vicinity Map
Rochester, New York

General Notes:

1. This survey is referenced horizontally to the North American Datum of 1983, 2011 adjustment (NAD83/2011), projected on the New York State Plane Coordinate System, West Zone, U.S. Survey feet.
2. North arrow as shown indicates Grid North referenced to NAD83/2011, projected on the New York State Plane Coordinate System (West Zone).
3. RTK GNNS surveying techniques were utilized to determine coordinates and elevations of the on-site horizontal and vertical control points.
4. The topographic and planimetric information shown hereon is based on low altitude aerial LiDAR data and colored digital aerial photography acquired on July 12, 2023 by Thew Associates Land Surveyors.
5. The topography shown hereon is derived from LiDAR data. The accuracy of the topographic data meets or exceeds the 10-cm Vertical Accuracy Class as defined by the American Society of Photogrammetry and Remote Sensing (ASPRS) which is suitable for generating contours at one-foot intervals. The contours are shown at one-foot intervals.
6. Contours and elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD88).
7. Contours shown hereon were generated from a Digital Terrain Model utilizing Autodesk Civil3D Surveying and Engineering software.
8. Location of spot elevation is indicated by the tick "x" mark located adjacent to the elevation.
9. The subsurface utilities shown hereon are of Quality Level "B" as defined by the American Society of Civil Engineers (ASCE) in the "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data". The subsurface utility investigation was performed by Thew Associates Land Surveyors on July 24, 2023 utilizing Radio Frequency (RF) methodologies. Electromagnetic interference and subsurface soil and groundwater conditions impact the ability to identify and trace subsurface utilities. The subsurface utilities shown hereon represent the utilities that were identified utilizing RF methodologies. The subsurface utilities were not excavated to confirm their presence, depth, or composition.
10. The boundary information is based on an actual field survey performed by Bear Land Surveying completed on November 29, 2023.
11. The surveyed premises may be affected by encumbrances that are unknown to the undersigned surveyor.
12. The users of this survey map should verify the title with competent title examiners.
13. The surveyed parcel is subject to all covenants, easements, and restrictions of record, if any.
14. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub-division 2, of the New York State Education Law.
15. Only boundary survey maps with the surveyor's original seal are genuine true and correct copies of the surveyor's original work and opinion.
16. Certifications on this boundary survey map signify that the map was prepared in accordance with the current existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. The certification is limited to persons for whom the boundary survey map is prepared, to the title company, to the governmental agency, and to the lending institution listed on this boundary survey map.
17. The certifications herein are not transferable.
18. The location of underground improvements or encroachments are not always known and often must be estimated. If any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.

Surveyors Certification

The undersigned surveyor hereby certifies this boundary survey and the field survey upon which it is based, was prepared in accordance with the current Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. The fieldwork was completed on November 29, 2023.

This survey was performed in accordance with the Minimal Standard Detail Requirements for ALTA/NSPS Land Title Surveys, bearing an effective date of February 23, 2021 to include Table A Items 1, 2, 4, 5, 7(a), 7(1), 8, 10, 11(a), 11(b), 13, 15, 17, and 18.

Signature: RHK

Name: Robert H. Korosec, PLS

Registration No.: 050578

Date: December 3, 2023

ALTA/NSPS Land Title Survey
Tax Parcel Numbers
106.45-1-32, 106.53-1-9, and 106.53-1-10

City of Rochester	County of Monroe	State of New York
Map Date: December 3, 2023	Drawn By: RHK	Approved By: RHK
Field Work Completed: November 29, 2023		Drawing Scale: 1" = 100'
Project Number: 2023-014		Sheet Number 1 of 4

Rev.:	Description:	By:	Date:

Tax Parcel Nos. and Address:

106.45-1-32
10 Bausch Street

106.53-1-9
130 Smith Street

106.53-1-10
86 Smith Street

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)

1 inch = 100 ft.

STATE OF NEW YORK · ROBERT H. KOROSEC · 050578 · LICENSED LAND SURVEYOR

BEAR LAND SURVEYING
168 County Highway 18A
West Winfield, New York 13491
Tel: 315 525.3597
E-Mail: Bearsurveying@gmail.com

Copyright © Bear Land Surveying 2023



Legend

- Boundary Line
- Adjoiner Deed Line
- Easement
- Road Right-of-Way or Bounds
- Former Road Bounds
- 400 Major Contour
- 401 Minor Contour
- OHE Overhead Electric
- OHC Overhead Communication
- OHU Overhead Utilities
- Centerline of Road
- Edge of Water as Surveyed on July 12, 2023
- Chain Link Fence
- GAS Natural Gas Line
- W Waterline
- COMM Communication Line
- UGE Electric Line
- Storm/Sanitary Pipe
- Guide Rail
- Edge of Woods/Brush
- FF = 416.13' Finished Floor
- Utility Pole
- Guy Anchor
- Utility Pole with Light
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- Street Light
- E Electric Manhole
- T Traffic Manhole
- D Storm Manhole
- Catch Basin
- S Sanitary Manhole
- Sanitary Cleanout
- Hydrant
- WV Water Valve
- PIV
- W Water Manhole
- Water Shutoff
- GV Natural Gas Valve
- Natural Gas Marker
- G Natural Gas Manhole
- Found Monument (as noted)
- Set 5/8-inch rebar and yellow plastic cap stamped "R. Korosec 050578" or as noted
- Point Not Monumented
- (D) Deeded Distance
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- (P) Platted Distance



Vicinity Map
Rochester, New York

General Notes:

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10. The boundary information is based on an actual field survey performed by Bear Land Surveying completed on November 29, 2023.
11. The surveyed premises may be affected by encumbrances that are unknown to the undersigned surveyor.
12. The users of this survey map should verify the title with competent title examiners.
13. The surveyed parcel is subject to all covenants, easements, and restrictions of record, if any.
14. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub-division 2, of the New York State Education Law.
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ALTA/NSPS Land Title Survey
Tax Parcel Numbers
106.45-1-32, 106.53-1-9, and 106.53-1-10

City of Rochester	County of Monroe	State of New York
Map Date: December 3, 2023	Drawn By: RHK	Approved By: RHK
Field Work Completed: November 29, 2023	Drawing Scale: 1" = 50'	
Project Number: 2023-014	Sheet Number 2 of 4	

Rev.:	Description:	By:	Date:

Tax Parcel Nos. and Address:

106.45-1-32
10 Bausch Street

106.53-1-9
130 Smith Street

106.53-1-10
86 Smith Street

GRAPHIC SCALE

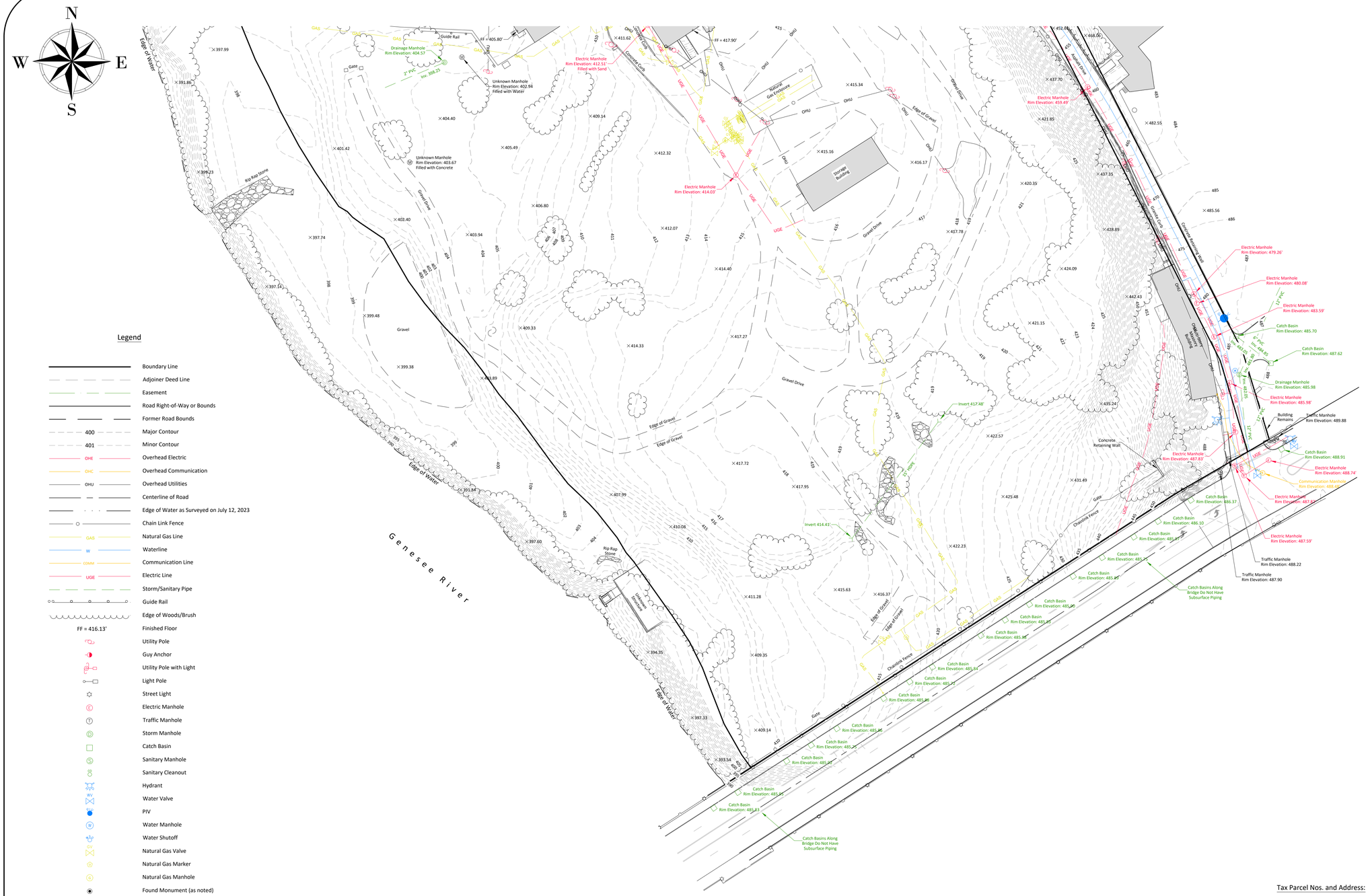
50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

STATE OF NEW YORK
ROBERT H. KOROSEC
050578
LICENSED LAND SURVEYOR

BEAR LAND SURVEYING
168 County Highway 18A
West Winfield, New York 13491
Tel: 315.525.3597
E-Mail: Bearsurveying@gmail.com

Copyright © Bear Land Surveying 2023



Vicinity Map
Rochester, New York

General Notes:

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Legend

- Boundary Line
- Adjoiner Deed Line
- Easement
- Road Right-of-Way or Bounds
- Former Road Bounds
- 400 Major Contour
- 401 Minor Contour
- OHE Overhead Electric
- OHC Overhead Communication
- OHU Overhead Utilities
- Centerline of Road
- Edge of Water as Surveyed on July 12, 2023
- Chain Link Fence
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- W Waterline
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- Sanitary Cleanout
- Hydrant
- WV Water Valve
- PIV
- Water Manhole
- Water Shutoff
- Natural Gas Valve
- Natural Gas Marker
- Natural Gas Manhole
- Found Monument (as noted)
- Set 5/8-inch rebar and yellow plastic cap stamped "R. Korosec 050578" or as noted
- Point Not Monumented
- (D) Deeded Distance
- (M) Measured Distance
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Tax Parcel Nos. and Address:

106.45-1-32
10 Bausch Street

106.53-1-9
130 Smith Street

106.53-1-10
86 Smith Street

STATE OF NEW YORK · ROBERT H. KOROSEC · 050578 · LICENSED LAND SURVEYOR

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ALTA/NSPS Land Title Survey
Tax Parcel Numbers
106.45-1-32, 106.53-1-9, and 106.53-1-10

City of Rochester	County of Monroe	State of New York
Map Date: December 3, 2023	Drawn By: RHK	Approved By: RHK
Field Work Completed: November 29, 2023	Drawing Scale: 1" = 50'	
Project Number: 2023-014	Sheet Number 3 of 4	

Rev.:	Description:	By:	Date:

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

BEAR LAND SURVEYING
168 County Highway 18A
West Winfield, New York 13491
Tel: 315.525.3597
E-Mail: Bearsurveying@gmail.com

SURVEYOR'S DESCRIPTION
13.097 ACRE PARCEL

All that Tract or Parcel of land situate in the City of Rochester, County of Monroe State of New York, and being described as follows:

COMMENCING at a point at the intersection of the northerly line of Bausch Street (80-foot width) with the westerly line of St. Paul Street (66-foot width), said point being the southeasterly corner of lands of 691 St. Paul Street, LLC (Liber 11227 - Page 646), said point also having New York State plane coordinates of 1,155,554.53 feet North and 1,406,075.36 feet East;

thence South 59 degrees 53 minutes 33 seconds West, along the northerly line of Bausch Street and southerly line of 691 St. Paul Street, LLC (Liber 11227 - Page 646), a distance of 289.39 feet to a point in the former centerline of Suntru Street (50-foot width), said point being the POINT OF BEGINNING, said point also having New York State plane coordinates of 1,155,409.37 feet North and 1,405,825.01 feet East;

thence continuing along the northerly line of Bausch Street (80-foot width - AKA Smith Street) the following two courses and distances:

1. South 59 degrees 53 minutes 33 seconds West, a distance of 88.72 feet to a point;

2. South 57 degrees 08 minutes 46 seconds West, a distance of 522.71 feet to a point on the easterly line of lands reputedly of the State of New York (No Deed Reference);

Thence northerly along the reputed easterly line of lands of the State of New York, as it winds and turns, a distance of 1,104.5 feet, more or less (Chord North 31 degrees 08 minutes 16 seconds West - 1,081.67 feet) to a point in the former centerline of Redfield Street, said point also being a point on the southerly line of lands of Bausch and Lomb Optical Company (No Deed Reference);

thence along the former centerline of Redfield Street and the southerly line of Bausch and Lomb Optical Company, the following two courses and distances:

1. South 84 degrees 50 minutes 50 seconds East, a distance of 346.87 feet to a point;

2. South 33 degrees 01 minutes 44 seconds East, a distance of 104.40 feet to a point in the former centerline of Suntru Street;

thence along the former centerline of Suntru Street and the southerly and westerly lines of Bausch and Lomb Optical Company, the following four courses and distances:

1. North 57 degrees 11 minutes 42 seconds East, a distance of 264.70 feet to a point;

2. South 55 degrees 01 minutes 09 seconds East, a distance of 291.40 feet to a point;

3. South 26 degrees 53 minutes 49 seconds East, a distance of 404.31 feet to a point;

4. South 16 degrees 48 minutes 28 seconds East, a distance of 99.09 feet to the POINT OF BEGINNING.

To contain 13.097 acres of land, more or less.

The above-mentioned coordinates, bearings, and distances are referenced to the North American Datum of 1983, 2011 adjustment (NAD83/2011), projected on the New York State Plane Coordinate System (West Zone), U.S. Survey Feet.

Subject to any and all covenants and agreements of record.

SURVEYOR'S DESCRIPTION
8.830 ACRE PARCEL

All that Tract or Parcel of land situate in the City of Rochester, County of Monroe State of New York, and being described as follows:

COMMENCING at a point at the intersection of the northerly line of Bausch Street (80-foot width) with the westerly line of St. Paul Street (66-foot width), said point being the southeasterly corner of lands of 691 St. Paul Street, LLC (Liber 11227 - Page 646), said point also having New York State plane coordinates of 1,155,554.53 feet North and 1,406,075.36 feet East;

thence South 59 degrees 53 minutes 33 seconds West, along the northerly line of Bausch Street and southerly line of 691 St. Paul Street, LLC (Liber 11227 - Page 646), a distance of 263.70 feet to a point on the former easterly line of Suntru Street (50-foot width), said point being the POINT OF BEGINNING, said point also having New York State plane coordinates of 1,155,422.25 feet North and 1,405,847.23 feet East;

thence South 59 degrees 53 minutes 33 seconds West, along the northerly line of Bausch Street and former southerly line of Suntru Street (50-foot width), a distance of 25.69 feet to a point in the former centerline of Suntru Street (50-foot width) and the easterly line of lands of Rochester Gas and Electric (no deed reference);

thence along the former centerline of Suntru Street and easterly and northerly line of lands of Rochester Gas and Electric, the following four courses and distances:

1. North 16 degrees 48 minutes 24 seconds West, a distance of 99.09 feet to a point;

2. North 26 degrees 53 minutes 49 seconds West, a distance of 404.31 feet to a point;

3. North 55 degrees 01 minutes 09 seconds West, a distance of 291.40 feet to a point;

4. South 57 degrees 11 minutes 42 seconds West, a distance of 264.70 feet to a point in the former centerline of Redfield Street (50-foot width);

thence along the former centerline of Redfield Street, the following two courses and distances:

1. North 33 degrees 01 minutes 44 seconds West, a distance of 104.40 feet to a point;

2. North 84 degrees 50 minutes 50 seconds West, a distance of 447.11 feet to a point at the easterly edge of water of the Genesee River;

thence northerly, along the easterly edge of water of the Genesee River, as it winds and turns, a distance of 548 feet, more or less, (Chord North 09 degrees 46 minutes 00 seconds East - 541.41 feet) to a point on the southerly line of lands of the City of Rochester (Liber 10379 - Page 473);

thence North 49 degrees 30 minutes 24 seconds East, along the southerly line of lands of the City of Rochester (Liber 10379 - Page 473) a distance of 248.11 feet to a point on the westerly line of lands of O'Brien and Gere Property Development, Inc. (Liber 08671 - Page 491);

thence along the westerly line of lands of O'Brien and Gere Property Development, Inc. (Liber 08671 - Page 491) the following six courses and distances:

1. South 44 degrees 49 minutes 49 seconds East, a distance of 52.23 feet to a point;

2. South 43 degrees 40 minutes 19 seconds East, a distance of 236.50 feet to a point;

3. South 41 degrees 52 minutes 19 seconds East, a distance of 85.46 feet to a point;

4. South 50 degrees 48 minutes 41 seconds West, a distance of 11.00 feet to a point;

5. South 39 degrees 11 minutes 19 seconds East, a distance of 93.00 feet to a point;

6. South 50 degrees 48 minutes 41 seconds West, a distance of 1.00 feet to a point;

thence South 39 degrees 11 minutes 19 seconds East, continuing along the westerly line of lands of O'Brien and Gere Property Development, Inc. (Liber 08671 - Page 491) and along the westerly line of lands of Domenico Arcuri (Liber 11132 - Page 573), and along the westerly line of lands of Domenico Arcuri (Liber 7991 - Page 171), a distance of 227.23 feet, to a point;

thence North 50 degrees 48 minutes 41 seconds East, along the southerly line of lands of Domenico Arcuri (Liber 7991 - Page 171), a distance of 25.00 feet to a point at the northwesterly corner of lands of Domenico Arcuri (Liber 6893 - Page 225);

thence South 10 degrees 08 minutes 03 seconds East, along the westerly line of lands of Domenico Arcuri (Liber 6893 - Page 225) a distance of 51.48 feet to a point on the northerly line of lands of Spectronic Instruments, Inc. (Liber 8629 - Page 343);

thence South 21 degrees 58 minutes 06 seconds West, along the northerly line of lands of Spectronic Instruments, Inc. (Liber 8629 - Page 343), a distance of 92.64 feet to a point on the easterly side of former Suntru Street;

thence along easterly side of Suntru Street, and in part along the westerly line of lands of Spectronic Instruments, Inc. (Liber 8629 - Page 343), and in part along the westerly line of lands of 691 St. Paul Street, LLC (Liber 11227 - Page 646), the following three courses and distances:

South 55 degrees 01 minutes 09 seconds East, a distance of 315.36 feet to a point;

South 26 degrees 53 minutes 49 seconds East, a distance of 412.79 feet to a point;

South 16 degrees 48 minutes 24 seconds East, a distance of 95.38 feet to the POINT OF BEGINNING.

To contain 8.830 acres of land, more or less.

The above-mentioned coordinates, bearings, and distances are referenced to the North American Datum of 1983, 2011 adjustment (NAD83/2011), projected on the New York State Plane Coordinate System (West Zone), U.S. Survey Feet.

Subject to any and all covenants and agreements of record.

SURVEYOR'S DESCRIPTION
2.528 ACRE PARCEL

All that Tract or Parcel of land situate in the City of Rochester, County of Monroe State of New York, and being described as follows:

COMMENCING at a point at the intersection of the northerly line of Bausch Street (80-foot width) with the westerly line of St. Paul Street (66-foot width), said point being the southeasterly corner of lands of 691 St. Paul Street, LLC (Liber 11227 - Page 646), said point also having New York State plane coordinates of 1,155,554.53 feet North and 1,406,075.36 feet East;

thence South 59 degrees 53 minutes 33 seconds West, along the northerly line of Bausch Street, along the southerly line of 691 St. Paul Street, LLC (Liber 11227 - Page 646), and along the southerly line of lands of Rochester Gas and Electric, a distance of 289.39 feet to a point in the former centerline of Suntru Street;

thence South 57 degrees 08 minutes 46 seconds West, continuing along the northerly line of Bausch Street (AKA Smith Street), and along the southerly line of lands of Rochester Gas and Electric, a distance of 522.71 feet to the POINT OF BEGINNING, said Point of Beginning having New York State plane coordinates of 1,155,081.30 feet North and 1,405,309.16 feet East;

thence South 57 degrees 08 minutes 46 seconds West, continuing along the northerly line of Bausch Street (AKA Smith Street), a distance of 32.57 feet to a point at the easterly edge of water of the Genesee River;

thence northwesterly along the easterly edge of water of the Genesee River as it winds and turns, a distance of 1,198 feet, more or less, to a point on the southerly line of lands of Bausch and Lomb Optical Company (Chord North 33 degrees 33 minutes 24 seconds West - 1,142.99 feet), said point also being in the centerline of the former Redfield Street;

thence South 84 degrees 50 minutes 50 seconds East, along the former centerline of Redfield Street, a distance of 100.24 feet to a point on the westerly line of lands of Rochester Gas and Electric;

thence southeasterly, along the westerly line of lands of Rochester Gas and Electric, a distance of 1,104.5 feet, more or less, to the POINT OF BEGINNING (Chord South 31 degrees 08 minutes 16 seconds West - 1,081.57 feet).

To contain 2.528 acres of land, more or less.

The above-mentioned coordinates, bearings, and distances are referenced to the North American Datum of 1983, 2011 adjustment (NAD83/2011), projected on the New York State Plane Coordinate System (West Zone), U.S. Survey Feet.

Subject to any and all covenants and agreements of record.

Map References:

1. "ALTA/ACSM Land Title Survey Map of a Survey Part of the Galusha Tract Sections A, B & C" dated June 5, 2003, prepared by O'Neill-Rodak Land Surveying Associates, P.C. and filed in the Monroe County Clerk's Office as N.R. Map 2010-6.
2. "ALTA/ACSM Land Title Survey Topography Map Lot Situate on Suntru Street" dated June 5, 2003, prepared by O'Neill-Rodak Land Surveying Associates, P.C. and filed in the Monroe County Clerk's Office as N.R. Map 2010-7.
3. "Showing the Location of the Third Water Power Including the Adjacent Gropunds Connected With It Belonging To Davis, Booth, & Ritter", prepared by R. J. Smith and filed in the Monroe County Clerk's Office on June xxxxxxxxx as Map 5 Parcel 2.
4. "Map of S.D. Porter's Subdivision of Part of Lot No. 2 & # 3rd division of Township 13 7th Range of Townships now in the City of Rochester" dated June 1866, prepared by Horace Jones, Surveyor and filed in the Monroe County Clerk's Office as Map 1 Page 33.
5. "Right of Way and Track Map New York Central Railroad Operated by The New York Central Railroad Company Rochester Brach, dated June 10, 1917, Vauluation Map Number V9, and filed in the Monroe County Clerk's Office as V91_7.
6. "Map of Proposed Streets From the West End of Lowell Street to the Third Water Power and the Citizen's Gas Works", dated 1874 and filed in the Monroe County Clerk's Office as Map 2 Page 82.
7. "Instrument Survey of Property at 800 St. Paul Street Rochester, New York", dated April 14, 1993, prepared by Bergmann Associates, and filed in the Monroe County Clerk's Office.
7. "Instrument Survey Tracts I & II Part of Town Lot No's 1 & 2, Third Division, Township No. 13, Range No. 7", dated February 3, 2016, prepared by Bergmann Associates, and filed in the Monroe County Clerk's Office.

List of Potential Encumbrances:

Tax Parcel No. 106.45-1-32

1. Stormwater Sewer Easement Granted to The City of Rochester by deed dated July 13, 1943 and recorded in the Monroe County Clerk's Office on July 23, 1943 in Liber 2139 of deeds at page 82 and is shown hereon.
2. Natural Gas Easement Granted to Rochester Gas and Electric by deed dated October 22, 1945 and recorded in the Monroe County Clerk's Office on November 14, 1945 in Liber 2286 of deeds at page 177 and is shown hereon.



Vicinity Map
Rochester, New York

General Notes:

1. This survey is referenced horizontally to the North American Datum of 1983, 2011 adjustment (NAD83/2011), projected on the New York State Plane Coordinate System, West Zone, U.S. Survey feet.
2. North arrow as shown indicates Grid North referenced to NAD83/2011, projected on the New York State Plane Coordinate System (West Zone).
3. RTK GNNS surveying techniques were utilized to determine coordinates and elevations of the on-site horizontal and vertical control points.
4. The topographic and planimetric information shown hereon is based on low altitude aerial LiDAR data and colored digital aerial photography acquired on July 12, 2023 by Thew Associates Land Surveyors.
5. The topography shown hereon is derived from LiDAR data. The accuracy of the topographic data meets or exceeds the 10-cm Vertical Accuracy Class as defined by the American Society of Photogrammetry and Remote Sensing (ASPRS) which is suitable for generating contours at one-foot intervals. The contours are shown at one-foot intervals.
6. Contours and elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD88).
7. Contours shown hereon were generated from a Digital Terrain Model utilizing Autodesk Civil3D Surveying and Engineering software.
8. Location of spot elevation is indicated by the tick "x" mark located adjacent to the elevation.
9. The subsurface utilities shown hereon are of Quality Level "B" as defined by the American Society of Civil Engineers (ASCE) in the "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data". The subsurface utility investigation was performed by Thew Associates Land Surveyors on July 24, 2023 utilizing Radio Frequency (RF) methodologies. Electromagnetic interference and subsurface soil and groundwater conditions impact the ability to identify and trace subsurface utilities. The subsurface utilities shown hereon represent the utilities that were identified utilizing RF methodologies. The subsurface utilities were not excavated to confirm their presence, depth, or composition.
10. The boundary information is based on an actual field survey performed by Bear Land Surveying completed on November 29, 2023.
11. The surveyed premises may be affected by encumbrances that are unknown to the undersigned surveyor.
12. The users of this survey map should verify the title with competent title examiners.
13. The surveyed parcel is subject to all covenants, easements, and restrictions of record, if any.
14. Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub-division 2, of the New York State Education Law.
15. Only boundary survey maps with the surveyor's original seal are genuine true and correct copies of the surveyor's original work and opinion.
16. Certifications on this boundary survey map signify that the map was prepared in accordance with the current existing Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors, Inc. The certification is limited to persons for whom the boundary survey map is prepared, to the title company, to the governmental agency, and to the lending institution listed on this boundary survey map.
17. The certifications herein are not transferable.
18. The location of underground improvements or encroachments are not always known and often must be estimated. If any underground improvements or encroachments exist or are shown, the improvements or encroachments are not covered by this certificate.

ALTA/NSPS Land Title Survey
Tax Parcel Numbers
106.45-1-32, 106.53-1-9, and 106.53-1-10

City of Rochester	County of Monroe	State of New York
Map Date: December 3, 2023	Drawn By: RHK	Approved By: RHK
Field Work Completed: November 29, 2023	Drawing Scale: N/A	
Project Number: 2023-014	Sheet Number 4 of 4	

Rev.:	Description:	By:	Date:

Tax Parcel Nos. and Address:

106.45-1-32
10 Bausch Street

106.53-1-9
130 Smith Street

106.53-1-10
86 Smith Street

STATE OF NEW YORK
ROBERT H. HOWARD
050578
LICENSED LAND SURVEYOR

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BEAR LAND SURVEYING
168 County Highway 18A
West Winfield, New York 13491
Tel: 315.525.3597
E-Mail: Bearsurveying@gmail.com

APPENDIX B BATHYMETRIC SURVEY

1404500 X | 1405000 X | 1405500 X

1156500 Y | 1156000 Y | 1155500 Y | 1155000 Y | 1154500 Y

>= 410.00
407.50 - 409.99
405.00 - 407.49
402.50 - 404.99
400.00 - 402.49
397.50 - 399.99
395.00 - 397.49
392.50 - 394.99
390.00 - 392.49
387.50 - 389.99
385.00 - 387.49
382.50 - 384.99
380.00 - 382.49
377.50 - 379.99
375.00 - 377.49
372.50 - 374.99
370.00 - 372.49
< 370.00

N
W
E
S

Scale: 1 Inch = 75.00 Feet
25 50 100 150 200

Drawn By: SPM	Parsons Corporation **Genesee River Survey** Rochester, NY Coordinate System NAD83 New York West State Plane U.S. Survey ft, NAVD88 Vertical Datum		
Surveyed By: JDM	BATHYMETRIC CONTOURS		
Checked By: JDM	ASI Project: 43-130	Surveyed Sept 25-26, 2023	
www.aquasurvey.com	**Aqua Survey, Inc.** 469 Point Breeze Road Flemington, NJ 08822	SHEET 1 of 1	Drawing No 43-130-001 / Rev. A

No.	Date	Revision	BY
A	10/4/2023	INITIAL RELEASE	SPM

1403000 X

1404000 X

1160000 Y

1159000 Y

1158000 Y

1157000 Y

1156000 Y

N

W

E

S

>= 410.00	
407.50 - 409.99	
405.00 - 407.49	
402.50 - 404.99	
400.00 - 402.49	
397.50 - 399.99	
395.00 - 397.49	
392.50 - 394.99	
390.00 - 392.49	
387.50 - 389.99	
385.00 - 387.49	
382.50 - 384.99	
380.00 - 382.49	
377.50 - 379.99	
375.00 - 377.49	
372.50 - 374.99	
370.00 - 372.49	
< 370.00	

Scale: 1 Inch = 140.00 Feet

50 100 200 300 400

Drawn By: SPM	Parsons Corporation
Surveyed By: JDM	**Genesee River Survey**
Checked By: JDM	Rochester, NY
	Coordinate System
	NAD83 New York West State Plane
	U.S. Survey ft, NAVD88 Vertical Datum
www.aquasurvey.com	TRANSECT BATHYMETRIC Soundings
	ASI Project: 43-130 — Surveyed Sept 25-26, 2023

Aqua Survey, Inc.	469 Point Breeze Road Flemington, NJ 08822	SHEET 1 of 1	Drawing No 43-130-002	Rev. A

No.	Date	Revision	BY
A	10/5/2023	INITIAL RELEASE	SPM

APPENDIX C-1 ONSITE SOIL BORING LOGS

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-001**
LOCATION: Rochester, NY	GRADE ELEV.: 403.44 ft asl	START DATE: 10/25/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/26/2023
EASTING, NORTHING (ft): 1404924.59 ft, 1155812.428 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, dark brown medium (+) to fine SAND, some coarse (+) to fine Gravel, Cobbles, little Silt, no odor [SW]		HC	1	--	--	100	0			0
			HC	1	--	--	80	0			
5	dry, soft, brown SILT, and fine Sand, some Clay, black staining, faint petrol odor [ML]		SS	2	9/6/4/7	--	15	0.1			5
	moist, soft, brown SILT, and fine Sand, some Clay, faint petrol odor, trace coarse angular Gravel [ML]		SS	3	5/6/5/5	--	50	0.1			
	moist, loose, brown fine SAND, and Silt, black staining, faint petrol odor [SM]										
10	wet, loose, brown, fine SAND, and Silt, some Clay, no odor [SM]		SS	4	1/1/WOH/1	--	90	0.1			10
	wet, loose, brown fine SAND, and Silt, some Clay, trace medium to fine Gravel, rounded Gravel, some staining [SM]		SS	5	WOH/10/14/23	--	100	0			
	wet, stiff, SILT, and fine Sand, some Clay, coarse (+) to fine Gravel, angular Gravel [SM]										
	wet, loose, brown coarse (+) to fine SAND, some medium to fine Gravel, little Clay, little Silt, angular Gravel, black staining, faint petrol odor [SW]		SS	6	8/19/18/57	--	100	0			
15	wet, loose, black coarse (+) to fine SAND, and coarse to fine Gravel, some Silt, little Clay, subangular Gravel, slight petrol odor [SW]		SS	7	22/34/33/21	--	100	0.3			15
	dry, stiff, brown SILT, and fine Sand, some Clay, densely compacted, lenses of staining, no odor [ML]		SS	8	22/100/3//	--	80	9			
	REFUSAL @ 17.6 FT BGS. BORING TD @ 17.6 FT BGS. []										
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-002**
LOCATION: Rochester, NY	GRADE ELEV.: 398.82 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1404794.08 ft, 1155887.866 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown fine SAND, little coarse to fine Gravel, no odor [SP]		HC	1	--	--	100	0			0
5	NO RECOVERY []		SS	2	WOH/WOH/WOH/3	--	0	0			5
	moist, very soft, brown, SILT, and fine Sand, some Clay, little medium to fine Gravel, subrounded Gravel, no odor [ML]		SS	3	WOH/WOH/1/2	--	75	0			
10	moist,very loose, grey medium to fine SAND, and Silt, little Clay, little fine Gravel, angular Gravel, no odor, glass and brick present [SM]		SS	4	WOH/1/1/2	--	70	0			10
	wet, loose, grey fine SAND, and Silt, little medium Gravel, angular Gravel, organic odor, tree mulch present [SM]		SS	5	1/2/2/4	--	100	0			
	wet, dense, black coarse (+) to fine SAND, some Silt, some medium to fine (+) subrounded Gravel, no odor, woody debris [SM]		SS	6	17/20/17/15	--	100	0			
15	wet, v.dense, black, coarse (+) to fine SAND, some Silt, some medium Gravel, subangular Gravel, lots of wood in shoe [SM]		SS	7	26/30/26/34	--	10	0.1			15
			SS	8	9/11/31/37	--	100	0.1			
	moist, dense, grey medium (+) to fine SAND, some Silt, some coarse to medium Gravel, subangular Gravel, concrete, fuel odor [SM]										
	dry, stiff, yellow brown, SILT, and fine Sand, little coarse to fine Gravel, angular Gravel, no odor [ML]										
20			SS	9	16/24/95/	--	100	0			20
	REFUSAL @ 21 FT BGS. BORING TD @ 21 FT BGS. []		SS	9	100/3	--	100	0			
25											25

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler/ E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-003**
LOCATION: Rochester, NY	GRADE ELEV.: 401.48 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1404972.25 ft, 1155948.679 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, black coarse to fine GRAVEL, some coarse Sand, faint petroleum-like odor [GP]		HC	1	--	--	100	0			0
5	dry, loose, black medium to fine Gravel, angular Gravel, organics present, asphalt odor [GP]		SS	2	10/6/3/3	--	10	0			5
	moist, loose, brown medium (-) to fine (+) SAND, and Silt, little fine Gravel, subrounded Gravel, no odor [SM]		SS	3	3/2/3/5	--	15	0			
10	dry, loose, grey coarse to fine GRAVEL, some medium to fine Sand, little silt, subangular Gravel, 2" band black stained Sand, slight odor [GP]		SS	4	8/73/15/13	--	75	0.1			10
	moist, coarse to fine GRAVEL, and Sand [SP]										
	wet, very dense, brown medium to fine SAND, and Silt, some coarse (+) to fine (-) Gravel, angular Gravel, no odor [SM]		SS	5	14/33/30/32	--	100	0			
	wet, very dense, black medium to fine SAND, and Silt, slight fuel odor [SM]										
	wet, very dense, brown coarse to fine SAND, and Silt, some fine Gravel, subangular Gravel, no odor [SM]		SS	6	5/33/22/20	--	50	0			
15	dry, very dense, black fine SAND, and Silt, some coarse Gravel, angular Gravel, napthalene odor [SM]										15
	moist, dense, grey fine SAND, and Silt, some coarse to medium Gravel, subangular Gravel, petroleum odor, staining, last 2" stiff Sand/Silt native brown [SM]		SS	7	16/38/100/1/	--	100	0			
	REFUSAL @ 16 FT BGS. BORING TD @ 16 FT BGS. []										
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-004**
LOCATION: Rochester, NY	GRADE ELEV.: 407.3 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/30/2023
EASTING, NORTHING (ft): 1405121.817 ft, 1155834.935 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown fine SAND, some fine Gravel, no odor [SP]		HC	1	--	--	100	0		BOREHOLE RELOCATED DUE TO PROXIMITY TO UNDERGROUND LINES	0
5	dry, loose, brown coarse to fine SAND, and Silt, some medium to fine Gravel, subangular Gravel, no odor [SM]		SS	2	6/2//	--	20	0.1			5
	dry, loose, black coarse to fine GRAVEL, some coarse Sand, little Silt, slight petrol odor [SM]										
	dry, dense, brown medium to fine SAND, and Silt, little Clay, little coarse Gravel, subangular Gravel [SM]		SS	2	4/3//	--	20	0			
	dry, medium dense, brown medium (+) to fine (-) SAND, little Silt, little fine Gravel, subangular Gravel, no odor [SW]		SS	3	1/1/4/10	--	50	0			
10	dry, medium dense, grey coarse to medium SAND, some Silt, little Clay, little fine Gravel, subangular Gravel, faint petrol odor, staining [SW]		SS	4	1/2/1/2	--	100	0			10
	moist, very loose, brown medium (-) to fine (+) SAND, some Silt, little Clay, no odor [SW]										
	moist, very loose, brown coarse to fine SAND, little Silt, little fine Gravel, subangular Gravel, no odor [SW]		SS	5	1/8/6/3	--	100	0			
	moist, very loose, grey-brown coarse to medium SAND, some medium to fine Gravel, seams of stained material, slight petrol odor [SW]										
	damp,very loose, grey medium to fine SAND, some Silt, little Clay, staining, slight petrol odor [SM]		SS	6	WH/1/3/14	--	100	0			
15	dry, medium dense, brown medium (-) to fine SAND, and Silt, little Clay, little medium to fine Gravel, subangular Gravel, seams of staining, light petrol odor [SM]		SS	7	1/9/20/49	--	100	0			15
	dry, very dense, brown medium (-) to fine (+) SAND, and Silt, little medium to fine subangular Gravel, no odor [SM]		SS	8	35/100/5//	--	40	0			
	REFUSAL @17.9 FT BGS. BORING TD @17.9 FT BGS. []										
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-005**
LOCATION: Rochester, NY	GRADE ELEV.: 415.8 ft asl	START DATE: 10/25/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/25/2023
EASTING, NORTHING (ft): 1405249.617 ft, 1155885.273 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown medium (+) to fine SAND, some coarse to fine Gravel, little Silt, subrounded Gravel, no odor [SW]		HC	1	--	--	50	0			0
5	dry, loose, dark brown medium to fine SAND, some Silt, organics [SW]										5
	dry, loose, grey coarse to fine (+) GRAVEL, some Silt, some fine Sand, subangular Gravel, no odor [GM]		SS	2	7/10/15/18	--	60	0			
	NO RECOVERY. COBBLE IN SHOE. []		SS	3	8/7/5/4	--	0	0			
10	moist, loose, black coarse (+) to fine SAND, and Silt, incendiary fill (ash, soot, wood debris), no odor [SM]		SS	4	6/6/2/2	--	100	0			10
	moist, loose, black coarse to fine SAND, and Silt, some Clay, lightly coated, sheen, slight fuel odor [SM]		SS	5	2/2/2/3	--	100	0			
	wet, very loose, black fine SAND, and Silt, little Clay, lightly coated, sheen, fuel odor [SM]		SS	6	2/1/2/3	--	100	0			
15	wet, loose, black fine SAND, and Silt, coating, sheen, blebs, fuel odor [SM]										15
	wet, loose, grey coarse to fine SAND, and Silt, some Clay, some medium to fine Gravel, subrounded Gravel, sheen, blebs, light coating [SM]		SS	7	1/1/8/10	--	100	0			
	moist, very dense, mottled black and brown coarse (-) to fine (+) SAND, and Silt, some Clay, interbedded coarse to fine Gravel, subangular Gravel, coated, blebs, sheen [SM]		SS	8	8/24/34/24	--	100	423			
	dry, very dense, mottled brown and black fine SAND, and Silt, fuel odor [SM]										
20			SS	9	20/24/52/	--	100	26.5			20
	REFUSAL @ 21.6 FT BGS. NO RECOVERY. []		SS	9	100/3	--	100	0			
25											25

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-006**
LOCATION: Rochester, NY	GRADE ELEV.: 413.67 ft asl	START DATE: 10/27/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/27/2023
EASTING, NORTHING (ft): 1405290.248 ft, 1155805.365 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown coarse (+) to fine (-) SAND, and coarse (-) to fine (+) GRAVEL, some Silt, little Cobble, brick, subangular Gravel [SM]		HC	1	--	--	50	0			0
5	NO RECOVERY. WOOD AND ASH IN SHOE. AUGERED THROUGH CONCRETE @~7 FT BGS. []		SS	2	43/100/2//	--	0	0			5
	dry, hard, black SILT, and fine Sand, some coarse to fine (+) Gravel, subangular Gravel, staining, petrol odor [ML]		SS	3	33/23/17/13	--	80	9.3			
10	dry, loose, black coarse (+) to fine (-) SAND, some fine Gravel, some Silt, subangular Gravel, coated, strong napthalene odor [SM] dry, medium dense, black stained fine SAND, and Silt, petrol odor [SM]		SS	4	9/9/12/12	--	40	11.5			10
	moist, medium dense, black stained fine SAND, and Silt, trace fine Gravel, subangular Gravel, coated, petrol odor [SM] wet, dense, black fine SAND, and Silt, stained, petrol odor, stained, slight sheen [SM]		SS	5	8/12/22/37	--	100	15.8			
	wet, medium dense, black coarse (+) to fine (-) SAND, some Silt, some coarse to medium Gravel, angular Gravel, slight sheen, coated, petrol odor [SM] dry, dense, brown fine SAND, and Silt, little Clay, lenses of staining [SM]		SS	6	10/20/26/37	--	100	13.7			
15	dry, dense, brown fine SAND, and Silt, little Clay, lenses of staining [SM]		SS	7	6/24/100/21/	--	80	0.3			15
	REFUSAL @16.4 FT BGS. BORING TD @16.4 FT BGS. []										
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-007**
LOCATION: Rochester, NY	GRADE ELEV.: 418.96 ft asl	START DATE: 10/03/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/25/2023
EASTING, NORTHING (ft): 1405421.118 ft, 1155950.517 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown medium (-) to fine (+) SAND, and coarse (-) to fine (+) Gravel, little Silt, subangular Gravel, no odor [SW]		HC	1	--	--	90	0			0
5	dry, medium dense, black medium to fine (+) SAND, and Silt, some coarse to fine Gravel, subangular Gravel, petroleum odor [SM]		SS	2	14/11/9/12	--	60	1.7			5
	dry, medium dense, black medium (-) to fine (+) SAND, and Silt, little Clay, little fine Gravel, subrounded Gravel napthalene odor [SM]		SS	3	14/16/11/7	--	100	3.1			
10	NO RECOVERY. GRAVEL IN SHOE. []		SS	4	10/8/7/8	--	0	0			10
	moist, loose, black coarse to fine (towards top) SAND, some fine Gravel, subrounded Gravel, staining, strong napthalene odor [SW]		SS	5	6/3/3/4	--	95	70.4			
	moist, loose, black coarse to medium SAND, some fine Gravel, little Silt, subangular Gravel, sheen, strong napthalene odor, light coating [SW]		SS	6	4/5/5/8	--	90	40.2			
15	wet, dense, black medium to fine (+) SAND, and coarse (+) to fine (-) Gravel, some Silt, subangular Gravel, sheen, strong napthalene odor, light coating [SW]		SS	7	11/20/22/18	--	100	3.1			15
	wet, very dense, black mottled brown medium to fine (+) GRAVEL, and medium (+) to fine Sand, some Silt, subangular Gravel, lots of sheen, strong napthalene odor, coated [GM]		SS	8	19/27/29/21	--	100	7.3			
20	moist, dense, grey mottled brown medium to fine SAND, and Silt, some coarse to fine Gravel, some Clay, subrounded Gravel, faint napthalene odor, saturated, tar [SM]		SS	9	19/21/23/26	--	100	2.4			20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-007**
LOCATION: Rochester, NY	GRADE ELEV.: 418.96 ft asl	START DATE: 10/03/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/25/2023
EASTING, NORTHING (ft): 1405421.118 ft, 1155950.517 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20			SS	9	19/21/23/26	–	100	2.4			20
	moist, very dense, black medium (+) to fine (-) SAND, trace coarse Gravel, angular Gravel, faint napthalene odor [SW]										
	dry, very dense, black mottled yellow/brown medium to fine SAND, and Silt, little medium Gravel, angular Gravel, no odor [SM]		SS	10	23/25/31/19	–	100	0			
	moist, medium dense, grey/black fine SAND, and Silt, some Clay, trace fine Gravel, blebs, sheen, tar product, strong fuel odor [SM]		SS	11	5/9/8/23	–	80	5.6			
25	moist, soft, grey fine SILT, and Sand, some Clay, trace medium Gravel, subangular Gravel, blebs, sheen, tar product, strong fuel odor [ML]		SS	12	19/100/2//	–	60	65.3			25
	BORING TD @ 26 FT BGS []										
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-008**
LOCATION: Rochester, NY	GRADE ELEV.: 418.03 ft asl	START DATE: 10/03/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/12/2023
EASTING, NORTHING (ft): 1405506.889 ft, 1155885.529 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, red brown medium (-) to fine (+) SAND, and fine Gravel, little Silt, subangular Gravel, brick present, no odor [SW]		HC	1	--	--	5	0			0
5	damp, medium dense, brown medium SAND, some Silt, little fine Gravel, subangular Gravel, no odor [SM]		SS	2	9/7/10/7	--	75	0			5
	wet, medium dense, brown coarse (+) to fine (-) SAND, and Silt, no odor [SM]										
	damp, medium stiff, black fine SILT, some Clay plastic, petrol odor [ML]		SS	3	2/2/4/6	--	60	0			
10	damp, medium stiff, black fine SILT, and Sand, some Clay, ash present, fuel odor [ML]		SS	4	2/2/4/4	--	100	2.6			10
	dry, medium stiff, black brown mottled SILT, and fine Sand, some Clay, fuel odor [ML]										
	moist, medium dense, black medium (+) to fine (-) SAND, some Silt, sheen, strong fuel odor [SM]		SS	5	9/8/9/8	--	100	2.2			
	damp, hard, black SILT, and fine Sand, some Clay, trace fine Gravel, plastic, fuel odor [ML]										
	dry, dense, brown/black mottled coarse to fine SAND, and fine Gravel, some Silt, subangular Gravel, faint fuel odor [SM]		SS	6	5/21/17/21	--	100	0.8			
15	wet, soft, black SILT, and Sand, some Clay, plastic, trace fine Gravel, fuel odor [ML]										15
	dry, loose, brown fine SAND, some Silt, little Gravel, angular Gravel, no odor [SM]		SS	7	10/12/22/26	--	100	0			
	dry, hard, black and brown mottled SILT, and fine Sand, little coarse to fine subrounded Gravel [SM]		SS	8	25/19/30/46	--	100	0			
	damp, hard, black brown mottled SILT, and fine Sand, subangular Gravel, some faint odor [SM]		SS	9	19/45/41/44	--	100	0			
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-008**
LOCATION: Rochester, NY	GRADE ELEV.: 418.03 ft asl	START DATE: 10/03/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/12/2023
EASTING, NORTHING (ft): 1405506.889 ft, 1155885.529 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20											20
	damp, very dense, brown medium (-) to fine (+) SAND, some Silt, little coarse (+) to fine (-) Gravel, subangular Gravel, no odor [SM]		SS	9	19/45/41/44	–	100	0			
	damp, very dense, brown medium (-) to fine (+) SAND, some coarse Gravel, little Silt, angular Gravel, no odor [SW]		SS	10	21/35/27/33	–	100	0			
	damp, dense, brown medium (+) to fine (-) SAD, some fine Gravel, little Silt, subangular Gravel, no odor [SW]		SS	11	28/34/36/50	–	100	0			
25	damp, dense, brown medium (+) to fine (-) SAND, some coarse (+) to fine Gravel, subangular Gravel, little Silt, no odor [SW]		SS	12	16/19/24/38	–	100	0			25
	damp, very dense, brown coarse (+) to fine (-) SAND, some Silt, little fine Gravel, subangular Gravel, slight fuel odor [SW]		SS	13	25/34/26/38	–	100	15.4			
	damp, hard, black and brown mottled SILT, and fine Sand, some fine Gravel, round Gravel, blebs, free product, strong napthalene/fuel odor [ML]										
	GRAVEL in shoe; REFUSAL @ 29 FT BGS. BORING []		SS	14	45/100/1//	–	10	0			
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-009**
LOCATION: Rochester, NY	GRADE ELEV.: 399.32 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404749.907 ft, 1155746.861 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown fine SAND, little medium to fine Gravel, no odor [SP]		HC	1	--	--	100	0			0
5	dry, medium dense, black medium to fine SAND, some coarse to fine Gravel, some Silt, angular Gravel, burnt coal, tree wood, fuel odor [SW]		SS	2	9/11/9/11	--	100	3.9			5
	dry, medium dense, black medium to fine SAND, and Silt, some medium to fine Gravel, subangular Gravel, burnt coal, fuel odor [SM]		SS	3	8/13/12/13	--	75	0.3			
10	Dry, medium stiff, grey, SILT and fine Sand, little coarse subangular gravel, burnt coal, fuel odor. [ML]		SS	4	4/3/5/8	--	90	1.5			10
	moist, medium stiff, black coarse (+) to fine SAND, some Silt, little medium to fine Gravel, subrounded Gravel, strong napthalene odor [SM]										
	NO RECOVERY. WET SPOON. ROCK IN SHOE. SLIGHT FUEL ODOR. []		SS	5	6/8//	--	0	0			
15	wet, loose, black coarse (+) to medium SAND, some Silt, some fine Gravel, angular Gravel, strong fuel odor, conglomerates together, crumbles under pressure [SM]		SS	6	3/4/2/2	--	50	2.5			15
	wet, dense, black medium to fine (+) GRAVEL, some fine Sand, some Silt, angular Gravel, wood/organics, fuel odor [GM]		SS	7	17/25/23/27	--	60	3.6			
	wet, loose, black medium to fine (+) GRAVEL, some fine Silt, some Sand, angular Gravel, wood, fuel odor [GM]		SS	8	2/2/5/19	--	100	0.8			
	wet, medium stiff, SILT, and medium Sand, some medium to fine Gravel, rounded Gravel, fuel odor [SM]										
20	wet, very dense, black medium to fine (+) Gravel, some fine Silt, some Sand, subangular Gravel, fuel odor [GM]		SS	9	160/8	--	100	0.5			20
	REFUSAL @ 19.7 FT BGS. BORING TD @ 19.7 FT BGS. []										

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-010**
LOCATION: Rochester, NY	GRADE ELEV.: 400.42 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404893.02 ft, 1155657.78 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown, fine SAND, little coarse to fine Gravel, no odor [SP]		HC	1	--	--	100	0			0
5	dry, dense, brown medium to fine SAND, and Silt, some medium to fine Gravel, subrounded Gravel, no odor [SM]		SS	2	5/17/20/14	--	100	0			5
	moist, medium dense, medium to fine SAND, and Silt, some medium to fine Gravel, subrounded Gravel, faint odor at bottom inch [SM]		SS	3	11/10/8/7	--	100	0			
10	dry, dense, brown/black fine SAND, and Silt, some coarse to fine Gravel, angular Gravel, fuel odor [SM]		SS	4	22/24/25/20	--	100	0.2			10
	wet, loose, black medium to fine SAND, and Silt, trace fine Gravel, subrounded Gravel, wood debris, strong fuel odor [SM]		SS	5	9/6/19/5	--	70	95.5			
	wet, loose, black medium to fine SAND, and Silt, some Clay, little medium to fine Gravel, subangular Gravel, free product, blebs, very strong fuel odor [SM]		SS	6	6/4/8/6	--	50	3.7			
15	wet, loose, black medium to fine SAND, and Silt, some Clay, little medium Gravel, subangular Gravel, strong fuel odor [SM]		SS	7	3/11/18/35	--	100	1.4			15
	dry, hard, brown CLAY, and Silt, strong fuel odor, blebs [ML]										
	wet, hard, black medium to fine SAND, and Silt, some Clay, some medium to fine Gravel, angular Gravel, blebs, free product, strong fuel odor [SM]		SS	8	82/100/2//	--	50	1.4			
	REFUSAL @17.7 FT BGS. BORING TD @17.7 FT BGS. []										
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-011**
LOCATION: Rochester, NY	GRADE ELEV.: 404.44 ft asl	START DATE: 10/25/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/26/2023
EASTING, NORTHING (ft): 1405036.09 ft, 1155665.858 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, red brown medium to fine SAND, some Silt, little medium (+) to fine Gravel, subangular Gravel, staining, slight petrol odor @ bottom 6" BGS [SW]		HC	1	--	--	100	0		NO WATER FOUND	0
			HC	1	--	--	90	0.2			
5	NO RECOVERY []		SS	2	2/2/2/2	--	0	0			5
	moist, very soft, brown SILT, and fine Sand, some Clay, black staining, slight petrol odor [ML]		SS	3	2/3/3/5	--	20	0.3			
10	moist, very soft, brown SILT, and fine Sand, some Clay, little medium Gravel, subrounded Gravel, black staining, 2" ash layer, slight petrol odor [ML]		SS	4	WOH/1/1/2	--	95	0.2			10
	moist, very loose, brown fine SAND, and Silt, some Clay, little fine Gravel, subangular Gravel, lightly coated, slight sheen, some staining, petrol odor [SM]		SS	5	WOH/WOH/WOH/	--	90	2.8			
	moist, very loose, brown fine SAND, and Silt, some Clay, black staining, light coating, petrol odor [SM]		SS	6	WOH/WOH/100/3/	--	50	4.5			
	dry, hard, brown SILT, and fine Sand, some Clay, shale on bottom [ML]										
15	REFUSAL @ 14.4 FT BGS. BORING TD @ 14.4 FT BGS []										15
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-012**
LOCATION: Rochester, NY	GRADE ELEV.: 409.72 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/19/2023
EASTING, NORTHING (ft): 1405122.515 ft, 1155600.892 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown medium to fine SAND, some coarse to fine Gravel, little fine Cobbles, no odor [SW]		HC	1	--	--	100	0		OFFSET 5 FT TOWARD RIVER	0
5	dry, medium dense, brown medium (-) to fine (+) SAND, some medium (-) to fine (+) Gravel, subrounded Gravel, no odor, concrete chunks, some grass [SW]		SS	2	6/8/5/4	--	30	0			5
	dry, loose, brown medium (-) to fine (+) SAND, some Silt, little coarse (-) to fine (+) Gravel, subangular Gravel, brick chips, slag, slight mothball odor [SM]		SS	3	4/3/7/4	--	30	0.1			
10	dry, very loose, brown/black medium (-) to fine (+) SAND, and Silt, little coarse (+) to fine (-) Gravel, subangular gravel, fuel waste-like odor [SM]		SS	4	WH/WH/2/8	--	50	0.1			10
	moist, stiff, black SILT, trace fine Gravel, subrounded Gravel, fuel waste-like odor [ML]										
	moist, medium dense, brown fine SAND, trace Silt, faint fuel-like odor [SP]		SS	5	10/7/4/5	--	100	0.1			
	moist, very soft, grey-brown SILT, little fine Sand, faint fuel-like odor [ML]		SS	6	1/1/WH/2	--	100	0.1			
15	moist, very soft, dark grey SILT, little Clay, fuel-like odor [ML]										15
	moist, loose (broken), medium (-) to fine (+) SAND, little Silt, trace fine Gravel, subangular Gravel, chunks of wood, slight fuel odor, slight pire odor [SM]		SS	7	17/5/4/8	--	25	0.6			
	wet, soft, black SILT, some medium (-) to fine (+) Sand, little coarse to fine Grave, subangular Gravel, fuel odor, sheen [ML]										
	wet, loose, black fine SAND, some Silt, little medium to fine (+) Grave, slight fuel odor [SM]		SS	8	10/10/9/16	--	100	0.1			
	dry, medium dense, light brown fine SAND, trace fine Gravel, slight fuel odor [SP]										
	wet, medium dense, dark grey fine SAND, some fine Gravel, subangular Gravel, faint fuel odor [SP]		SS	9	75/100/1//	--	40	0.2			
20	dry, medium dense, dark grey fine SAND, some fine Gravel, subangular Gravel, faint fuel										20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-012**
LOCATION: Rochester, NY	GRADE ELEV.: 409.72 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/19/2023
EASTING, NORTHING (ft): 1405122.515 ft, 1155600.892 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20	odor [SP]										20
	REFUSAL @ 19.66 FT BGS. BORING TD @ 19.66 FT BGS. []										
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-013**
LOCATION: Rochester, NY	GRADE ELEV.: 399.48 ft asl	START DATE: 10/09/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/17/2023
EASTING, NORTHING (ft): 1404898.72 ft, 1155480.31 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose brown fine SAND, trace fine Gravel, subangular Gravel, no odor [SW]		HC	1	--	--	100	0			0
5	dry, medium dense, brown medium (-) to fine (+) SAND, and Silt, some medium Gravel, subrounded Gravel, no odor [SM]		SS	2	6/5/12/21	--	100	21.4			5
	dry, medium dense, black coarse to medium SAND, little medium Gravel, angular Gravel, incinerator fill, strong napthalene odor [SM]										
	dry, medium dense, brown coarse (-) to fine (+) SAND, and Silt, some fine Gravel, subrounded Gravel, slight napthalene odor, brick pieces [SM]		SS	3	14/15/13/17	--	90	0.2			
10	NO RECOVERY - BRICK IN SHOE []		SS	4	46/50/28/14	--	0	0			10
	NO RECOVERY - SPOON HAS FUEL ODOR, SHEEN []		SS	5	12/13/16/15	--	0	0			
	wet, loose, black coarse (+) to medium (-) SAND, some coarse Gravel, subangular Gravel, sheen, strong napthalene odor, saturated [SW]		SS	6	5/6/4/1	--	100	0.5			
15	wet, very loose, black coarse (+) to medium (-) SAND, some coarse Gravel, subangular Gravel, sheen, strong napthalene odor, saturated, burnt coal (low density, vesicles) [SW]		SS	7	WH/WH/2/4	--	30	0.9			15
	wet, loose, black saturated NAPL, burnt coal, incinerator fill, blebs, sheen, very strong fuel odor []		SS	8	WH/1/3/	--	100	43.3			
			SS	8	100/5	--	100	0			
	REFUSAL @ 19 FT BGS. BORING TD @ 19 FT BGS. []									15 - 19 FT BGS: all coal and liquid, no soil matrix	
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-014**
LOCATION: Rochester, NY	GRADE ELEV.: 416.11 ft asl	START DATE: 10/03/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/10/2023
EASTING, NORTHING (ft): 1405462.939 ft, 1155746.832 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, grey COBBLES, angular Cobbles [GW]		HC	1	--	–	10	0			0
	dry, loose, black coarse to medium SAND, trace fine Gravel, subrounded Gravel, napthalene odor [SW]		HC	1	--	–	10	0.5		AIR HAMMERED THROUGH BOULDER	
5	damp, loose, black coarse (+) to medium SAND, trace fine Gravel, subrounded Gravel, slight napthalene odor [SW]		SS	2	2/3/2/3	–	10	1.2			5
	damp, loose, black coarse (-) to fine (+) SAND, some Silt, little fine Gravel trace Clay, rounded Gravel, strong fuel odor, leaves black carbon on gloves [SM]		SS	3	2/2/3/6	–	40	0.2			
	damp, loose, brown coarse (+) to medium (-) SAND, and fine Gravel, subrounded Gravel, non-native fill, napthalene odor [GP]										
10	moist, loose, black coarse (+) to fine (-) SAND, and Silt, some fine Gravel, little Clay, subrounded Gravel [SM]		SS	4	2/3/5/5	–	50	2.4			10
	moist, dense, black coarse (-) to fine (+) SAND, and Silt, some coarse (+) to fine (-) Gravel, subangular Gravel, strong fuel odor bottom has sheen [SM]		SS	5	35/36/8/5	–	50	6.9			
	wet, very dense, black coarse to fine GRAVEL, little medium to fine Sand, subrounded Gravel, napthalene odor [GP]		SS	6	18/24/31/33	–	50	1.5		10/6/23 10:30 PAUSE DRILLING DUE TO BROKEN SPOON THREADS	
15	wet, very dense, black medium to fine GRAVEL, some medium to fine Sand, subrounded Gravel, NAPL saturated, strong naphtalene odor [GW]		SS	7	9/33/39/49	–	50	3.1			15
	dry, very dense, black fine SAND, and Silt, trace Gravel, subrounded Gravel, NAPL saturated, strong napthalene odor [SM]										
	wet, very dense, black medium to fine GRAVEL, some coarse to fine Sand, subrounded Gravel, NAPL saturated, trong napthalene odor [GW]		SS	8	21/28/31/48	–	100	8.3			
	dry, very dense, black and brow fine SAND, and Silt, laminated, sheen, strong napthalene odor [SM]										
	wet, very dense, black medium to fine GRAVEL, some coarse to fine Sand, subrounded Gravel, NAPL saturated, trong napthalene odor [GW]		SS	9	12/100/4//	–	100	1.2			
20	dry, very dense, black and brow fine SAND, and Silt, laminated, sheen, strong napthalene										20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-014**
LOCATION: Rochester, NY	GRADE ELEV.: 416.11 ft asl	START DATE: 10/03/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/10/2023
EASTING, NORTHING (ft): 1405462.939 ft, 1155746.832 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20	odor [SM]										20
	BORING TD @ 20 FT BGS. []										
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-015**
LOCATION: Rochester, NY	GRADE ELEV.: 412.35 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/19/2023
EASTING, NORTHING (ft): 1405215.241 ft, 1155715.977 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown fine SAND, little medium to fine Gravel, no odor [SP]		HC	1	--	--	100	0		RELOCATED ~2 FT EAST	0
5	dry, brown, loose, medium (-) to fine (+) SAND, trace medium (+) to fine Gravel, subangular Gravel, no odor, concrete chunks, grass/roots present [SW]		SS	2	12/4/4/5	--	15	0			5
	dry, brown, loose medium (-) to fine (+) SAND, little medium (-) to fine (+) Gravel, subangular Gravel, no odor [SW]										
	moist, soft, black SILT, and Clay, little medium (+) to fine (-) Sand, little fine Gravel, subangular Gravel, fuel odor [ML]		SS	3	2/3/3/2	--	90	0.1			
	moist, soft, black CLAY, and fine Gravel, subangular Gravel, fuel odor [ML]										
10	moist, loose, brown medium (-) to fine (+) SAND, and Silt, slight petroleum-like odor, trace ash [SM]		SS	4	1/2/4/5	--	90	0			10
	moist, loose, tan fine SAND, some Clay, no odor [SC]										
	moist, stiff, tan CLAY, and coarse to fine (-) Sand, some Silt, trace fine Gravel, subrounded Gravel, no odor [SC]		SS	5	6/14/8/7	--	90	0			
	moist, loose, brown, coarse (-) to fine (+) SAND, some Clay, slight fuel odor, concrete chips [SC]		SS	6	10/11/16/16	--	10	0.04			
15	ZERO RECOVERY - ALL SLOUGH []		SS	7	15/14/15/17	--	0	0			15
	moist, stiff, grey black CLAY, and Silt, some medium (-) to fine (+) Sand, fuel odor, concrete [CL]		SS	8	12/8/12/17	--	100	1.1			
	moist, stiff, grey black CLAY, and Silt, some fine Sand, fuel odor [CL]										
20	dry, dense, black brown medium (-) to fine (+) SAND, fuel odor, sheen around perimeter of core [SW]		SS	9	14/31/35/46	--	70	0.2			20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-015**
LOCATION: Rochester, NY	GRADE ELEV.: 412.35 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/19/2023
EASTING, NORTHING (ft): 1405215.241 ft, 1155715.977 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20			SS	9	14/31/35/46	–	70	0.2			20
	dry, very dense, tan medium (-) to fine (+) SAND, fuel odor, sheen from above [SW]		SS	10	100/86/100/	–	100	0.2			
	REFUSAL @ 21.66 FT BGS. BORING TD @ 21.66 FT BGS. []		SS	10	100/3	–	100	0			
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-016**
LOCATION: Rochester, NY	GRADE ELEV.: 414.74 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/18/2023
EASTING, NORTHING (ft): 1405286.701 ft, 1155601.674 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, brown coarse to fine SAND, and Silt, some coarse to fine Gravel, subrounded Gravel, trace roots, no odor [SP]		HC	1	--	--	90	0			0
5	dry, stiff, dark brown SILT, and medium to fine Gravel, some fine Sand, large concrete chunks, brick pieces, no odor in shoe: dry, medium dense, yellow fine SAND, little fine Gravel [ML]		SS	2	3/5/5/9	--	50	0			5
	dry, very dense, yellow, fine SAND, some medium (-) to fine (+) Gravel [SW]		SS	3	13/18/100/4/	--	60	0			
	dry, very dense, dark grey medium (-) to fine (+) SAND, and Silt, some medium (+) to fine (-) Gravel, chunks of concrete and brick, no odor [SW]										
	dry, medium dense, coarse (+) to fine (-) SAND, and coarse (-) to fine (+) Gravel, subangular Gravel, brick chips concrete chips, no odor [SW]										
10	moist, very stiff, black SILT, little fine Gravel, subrounded Gravel, petroleum-like odor [ML]		SS	4	21/12/6/6	--	100	0.4			10
	moist, svery oft, dark grey SILT, little medium Sand, mothball and fuel odor [ML]		SS	5	WH/WH/1/2	--	80	15.5			
	moist, very soft, dark grey CLAY, and Silt, little fine Gravel, subangular gravel, fuel and mothball odor [CL]		SS	6	3/1/WH/1	--	90	61.2			
15	moist, very stiff, black, CLAY, and Silt, little medium to fine Gravel, subrounded gravel, fuel and mothball odor [CL]		SS	7	WH/6/20/21	--	80	64.8			15
	wet, very stiff, black, CLAY, and Silt, little medium to fine Gravel, subrounded gravel, fuel and mothball odor, sheen [CL]										
	wet, dark grey CLAY, and Silt, fuel odor [CL]		SS	8	32/57//	--	100	4.8			
	moist, hard, brown fine SAND, little Clay, mothball odor [SC]		SS	8	153/6	--	100	0			
20	moist, hard, grey brown SILT, trace fine Gravel, slight mothball odor, sheen and oil (reddish DNAPL), oil seeping 19-20 FT BGS [ML]		SS	9	75/78/100/1/	--	70	10.8			20

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
	OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-016**
LOCATION: Rochester, NY	GRADE ELEV.: 414.74 ft asl	START DATE: 10/18/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/18/2023
EASTING, NORTHING (ft): 1405286.701 ft, 1155601.674 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20			SS	9	75/78/100/1/	–	70	10.8			20
	REFUSAL @ 21 FT BGS. BORING TD @ 21 FT BGS. []										
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: J. Bixler	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-017**
LOCATION: Rochester, NY	GRADE ELEV.: 413.35 ft asl	START DATE: 10/10/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/17/2023
EASTING, NORTHING (ft): 1405152.87 ft, 1155475.5 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown fine SAND, some fine Gravel, little Silt, subangular Gravel, no odor [SP]		HC	1	--	--	15	0			0
5	dry, hard, grey SILT, and medium (-) to fine (+) SAND, some coarse to fine Gravel, subrounded Gravel, brick present, no odor [ML]		SS	2	10/14/18/8	--	100	0			5
	damp, stiff, grey brown SILT, and Clay, some coarse to fine Gravel, subangular Gravel, no odor [ML]		SS	3	8/9/6/8	--	100	0			
	damp, soft, black coarse angular grains, asphalt, livre []										
	damp, hard, grey brown SILT, and Clay, some Gravel, no odor [ML]										
	damp, hard, grey brown SILT, and Clay, some coarse to fine Gravel, subangular Gravel, no odor, concrete and mesh in shoe [ML]		SS	4	3/16/60/17	--	50	0			
10	moist, medium dense, black medium to fine SAND, and Silt, some medium to fine Gravel, trace Clay, subrounded Gravel, brick present, slight napthalene and ful odor [SM]		SS	5	7/7/9/9	--	100	0.6			10
	moist, very soft, grey fine SILT, and Clay, some medium Sand, little medium to fine Gravel, subrounded Gravel, slight fuel odor [ML]		SS	6	WH/WOH/2/3	--	75	0			
15	moist, soft, grey SILT, and coarse to fine Sand, some Clay, little fine Gravel, subrounded Gravel [ML]		SS	7	WH/1/2/3	--	100	0			15
	moist, dense, grey fine Gravel, seam with sheen, NAPL odor []										
	wet, hard, grey SILT, and coarse to fine Sand, little medium to fine Gravel, subrounded Gravel [ML]										
	wet, dense, fine Gravel, subrounded Gravel, sheen, NAPL odor [SW]		SS	8	5/14/17/11	--	100	0			
	moist, soft, black stained medium to fine SAND, fuel odor [SW]										
	moist, loose, black medium to fine SAND, some medium to fine Gravel, little Silt, subangular Gravel, blebs, sheen, strong mothball odor [SW]		SS	9	11/23/11/9	--	100	20.2			
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-017**
LOCATION: Rochester, NY	GRADE ELEV.: 413.35 ft asl	START DATE: 10/10/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/17/2023
EASTING, NORTHING (ft): 1405152.87 ft, 1155475.5 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20			SS	9	11/23/11/9	–	100	20.2			20
	REFUSAL @ 22 .17 FT BGS. BORING TD @ 22 .17 FT BGS. []										
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-018**
LOCATION: Rochester, NY	GRADE ELEV.: 405.58 ft asl	START DATE: 10/09/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/17/2023
EASTING, NORTHING (ft): 1405175.18 ft, 1155299.52 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, tan fine SAND, trace Cobble, angular Cobble, no odor [SP]										0
	dry, loose, black fine SAND, and coarse GRAVEL, subangular Gravel, incinerator fill, no odor [SP]		HC	1	--	--	100	0			
5	dry, very stiff, brown SILT, and fine Sand, some coarse (-) to fine (+) Gravel, angular Gravel, soot present, no odor [ML]		SS	2	7/7/11/11	--	80	0			5
	dry, medium dense, brown medium (-) to fine (+) SAND, and Silt, some medium (-) to fine (+) Gravel, subangular Gravel, no odor [SM]		SS	3	8/13/11/12	--	100	0			
10	dry, medium dense, brown fine SAND, and Silt, trace coarse Gravel, subrounded Gravel, no odor [SM]		SS	4	11/7/7/8	--	100	0			10
			SS	5	9/16/36/43	--	80	0			
	dry, loose, grey coarse (+) to fine (-) Gravel, subangular Gravel [GW]										
	dry, loose, black coarse (+) to fine (-) SAND, some Silt, coarse to fine Gravel, subrounded Gravel, soot, NAP and fuel odor [SP]		SS	6	20/20/27/38	--	100	83.6			
15	dry, very stiff, black SILT, and fine Sand, little coarse to fine Gravel, subangular Gravel, wet near bottom, blebs, sheen, NAP odor [ML]		SS	7	15/19/14/10	--	80	340			15
	NAPL-saturated, hard, brown fine SILT, and medium Sand, little medium Gravel, rounded Gravel, blebs, fuel odor [ML]		SS	8	24/100/4//	--	50	218			
	REFUSAL @ 18 FT BGS. BORING TD @ 18 FT BGS. []										
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-019**
LOCATION: Rochester, NY	GRADE ELEV.: 408.63 ft asl	START DATE: 09/27/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 09/27/2023
EASTING, NORTHING (ft): 1405328.75 ft, 1155116.38 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, soft, brown SILT, and Clay, some fine Sand, organics/topsoil [ML]										0
	dry, loose, brown fine SAND, trace coarse Gravel [SP]		HC	1	--	--	100	0			
	moist, loose, brown coarse (+) to fine (-) SAND, some coarse (-) to fine (+) Gravel, subangular Gravel [SW]										
	moist, loose, black coarse (+) to medium (-) SAND some coarse (-) to fine (+) Gravel, subrounded Gravel, napthalene odor, ash and burnt coal [SW]										
5	dry, loose, black coarse (+) to medium (-) SAND, little fine Gravel, little Silt, round Gravel, napthalene odor, ash and burnt coal [SW]		SS	2	2/1/1/1	--	50	0			5
	moist, loose, brown coarse (+) to medium (-) SAND, little fine Gravel, little Silt, rounded Gravel, very strong napthalene odor, ash and burnt coal [SW]		SS	3	1/1/2/4	--	100	0			
	moist, very loose, black/brown coarse (+) to medium (-) SAND, little fine Gravel, rounded Gravel, napthalene odor, ash and burnt coal [SW]		SS	4	WH/WH/1/1	--	100	0			
10	wet, very loose, black/brown coarse (+) to medium (-) SAND, little fine Gravel, rounded Gravel, napthalene odor, ash and burnt coal near bottom [SW]		SS	5	WH/WH/WH/	--	25	7			10
	wet, very loose black coarse (+) to medium (-) SAND, little Silt, little fine Gravel, round Gravel, strong napthalene odor [SW]		SS	6	WH/WH/WH/3	--	100	280			
15	wet, loose, dark brown, coarse to medium SAND, and medium Gravel, tar, organic odor, wood debris, sheen in water [SW]		SS	7	6/WH/1/14	--	20	168			15
	wet, very loose, black coarse to medium SAND, and coarse to medium Gravel, napthlene odor, wood debris, sheen [SW]										
	dry, soft, black SILT, and Clay, laminated, napthalene odor [ML]		SS	8	WH/WH/2/14	--	20	2.6			
	ALL SLOUGH - NO RECOVERY []		SS	9	2/12/43/74	--	0	0.2			
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-019**
LOCATION: Rochester, NY	GRADE ELEV.: 408.63 ft asl	START DATE: 09/27/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 09/27/2023
EASTING, NORTHING (ft): 1405328.75 ft, 1155116.38 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20	dry, hard, grey/black SILT, and Clay, laminated, fossil present, strong napthalene odor [ML]		SS	9	2/12/43/74	–	0	0.2			20
	dry, hard, black and grey SILT, and Clay, laminated, napthalene odor [ML]										
	grey limestone [USGS 627]		SS	10	67/100/1//	–	50	6.4			
	BORING TD @ 21.8 FT BGS []										
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-020**
LOCATION: Rochester, NY	GRADE ELEV.: 418.33 ft asl	START DATE: 09/26/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 09/28/2023
EASTING, NORTHING (ft): 1405486.48 ft, 1155225.24 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown coarse SAND, and Silt, some coarse (-) to fine (+) Gravel, trace organics, subangular Gravel [SM]										0
	dry, loose, brown coarse (+) to fine (-) SAND, and coarse to fine Gravel, trace woddy debris, subangular Gravel [SW]		HC	1	--	--	100	0			
5	dry, medium dense, brown medium (+) to fine (-) SAND, some fine Gravel, trace Silt, rounded Gravel, ash, burnt coal, slight napthalene odor [SW]										5
	moist, medium dense, white gray medium to fine SAND, ash, burnt coal, napthlene odor [SW]		SS	2	5/7/4/3	--	100	0			
	moist, loose, red brown fine SAND, and Silt, little Gravel, rounded Gravel, sligh napthalene odor [SM]		SS	3	5/4/3/6	--	100	0			
	limestone boulder []										
10			SS	4	17/36/30/30	--	5	0			10
	coarse, angular, limestone Gravel []										
	moist, very dense, brown medium (+) SAND, little Silt [SW]		SS	5	36/30/46/16	--	50	0			
	moist, dense, black coarse (+) to medium (-) SAND, little fine Gravel, trace Silt, rounded Gravel, strong asphalt odor [SW]		SS	6	22/24/13/14	--	0	0.3			
15	moist, very dense, grey coarse GRAVEL, and coarse (+) to medium Sand, little Silt, angular Gravel, strong asphalt odor [SW]										15
	wet, very dense, grey coarse GRAVEL, and coarse (+) to medium Sand, little Silt, angular Gravel, strong asphalt odor, blebs [GM]		SS	7	26/38/29/14	--	100	1			
	wet, medium dense, grey coarse (+) to fine GRAVEL, some fine Sand, some Silt, angular Gravel, blebs, sheen, strong oil odor [GM]		SS	8	6/9//	--	100	3.8			
	wet, very dense, grey coarse (+) to medium SAND, and Silt, some coarse Gravel, rounded Gravel, blebs, sheen, napthalene odor [SM]		SS	8	15/100/2/100/2/	--	100	1			
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-020**
LOCATION: Rochester, NY	GRADE ELEV.: 418.33 ft asl	START DATE: 09/26/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 09/28/2023
EASTING, NORTHING (ft): 1405486.48 ft, 1155225.24 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20	brown fine siltstone in shoe [USGS 637]		SS	8	15/100/2/100/2/	–	100	1			20
	REFUSAL @ 21 FT BGS. BORING TD @ 21 FT BGS. []										
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-ONSO-021**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 10/03/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 10/04/2023
EASTING, NORTHING (ft): 1405659.25 ft, 1155352.05 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	dry, loose, brown coarse (-) to fine (+) GRAVEL, some fine Sand, trace Cobbles, subangular Gravel, no odor [GP]					7 FT SOUTH OF ORIGINAL LOCATION	0
1							
2			HC	25	0		
3							
4							
5	dry, very dense, brown fine SAND, and Silt, some coarse (+) to fine (-) Gravel, subangular Gravel, black dried product, napthalene odor [SM]		SS	100	0		5
6							
7	dry, very dense, grey coarse COBBLE concrete, angular Cobble, asphalt-like odor, slight napthalene odor [GW]						
8	dry, very dense, brown fine SAND, and Silt, some fine Gravel, angular Gravel, slight napthalene odor [SM]		SS	100	0		
9	NO RECOVERY						
10	dry, loose, red brown fine SAND, and Silt, some fine Gravel, subrounded Gravel [SM]		SS	0	0		10
11	NO RECOVERY]						
12			SS	0	0		
13	dry, hard, brown SILT, and fine Sand, some fine subangular Gravel, slight napthalene odor, black hardened tar in bottom 1-ft [SM]						
14			SS	100	0		
15	NO RECOVERY						15
16	dry, hard, brown SILT, and medium (-) to fine (+) SAND, little Gravel, subrounded Gravel, brick in shoe [ML]		SS	70	0		
17	red brick						
	moist, hard, grey-green SILT, and fine SAND, strong napthalene odor [ML]						
18	moist, hard, brown SILT, and Sand, some coarse (+) to fine (-) Gravel, subangular Gravel, black product, no odor [ML]		SS	100	0		
19							
	NO RECOVERY		SS	50	0		
20							20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-ONSO-021**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 10/03/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 10/04/2023
EASTING, NORTHING (ft): 1405659.25 ft, 1155352.05 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20	moist, medium dense, brown, medium (-) to fine (+) SAND, and Silt, some fine Gravel, subangular Gravel, faint napthalene odor, sandstone in shoe [SM]		SS	50	0		20
21	NO RECOVERY						
22			SS	50	0		
23	Wet, very dense, brown, fine to coarse SAND,some silt, little coarse angular gravel, brick fragments, slight NAPL odor. [SM]						
24			SS	50	0		
25	Wet, very dense, brown, medium to coarse SAND and Silt, some fine to coarse angular gravel, brick fragments, slight NAPL odor and sheen. [SM] End of Boring; refusal @25' bgs		SS	100	0		25
26							
27							
28							
29							
30							30
31							
32							
33							
34							
35							35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-022**
LOCATION: Rochester, NY	GRADE ELEV.: 440.9 ft asl	START DATE: 09/26/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 09/28/2023
EASTING, NORTHING (ft): 1405694.62 ft, 1155439.07 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, grey coarse (+) to fine (-) GRAVEL, some coarse Sand, trace Cobbles, subangular Gravel, angular Cobbles [GW]		HC	1	--	--	100	0			0
5	NO RECOVERY []		SS	2	19/11/11/9	--	5	0			5
	dry, medium dense, brown coarse to medium SAND, and Silt, some Gravel [SM]										
	NO RECOVERY []		SS	3	6/10/20/20	--	5	0			
	dry, medium dense, brown coarse to medium SAND, and Silt, some Gravel [SM]										
10	dry, dense, brown fine SAND, and Silt, little Gravel, trace brick, trace unburnt coal fragments, angular Gravel [SM]		SS	4	19/21/17/14	--	100	0.1			10
	dry, very dense, brownish red fine SAND, and Silt, some coarse (+) to fine (-) Gravel, black coal fragments, angular Gravel [SM]		SS	5	39/40/21/19	--	100	0			
	dry, very dense, reddish brown medium to fine (+) SAND, and Silt, some coarse (+) to fine Gravel, subangular Gravel, oxidize staining, coal present, slight napthalene odor [SM]		SS	6	16/19/31/50	--	100	0.1			
15	fine red sandstone Cobble []		SS	7	19/31/33/14	--	100	0			15
	dry, very dense, red-brown, medium to fine SAND, some Gravel, trace coal, rounded Gravel [SW]										
	moist, medium dense, brown and black, coarse to fine SAND, some Gravel, glass, fill material (burnt coal, ash), angular Gravel [SW]		SS	8	19/16/12/10	--	100	0.1			
	moist, very dense, brown fine SAND, and Silt, little Gravel, trace glass, trace coal, angular Gravel [SM]		SS	9	20/37/100/4/	--	50	0			
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-022**
LOCATION: Rochester, NY	GRADE ELEV.: 440.9 ft asl	START DATE: 09/26/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 09/28/2023
EASTING, NORTHING (ft): 1405694.62 ft, 1155439.07 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20	moist, very dense, black fine SAND, and Silt, trace Gravel, angular Gravel, burnt tar-like odor [SM]		SS	9	20/37/100/4/	–	50	0			20
	limestone bedrock [USGS 627]										
25											25
	AIR ROTARY FROM 21 TO 28 FT BGS. NO RECOVERY FROM SPOONS. []										
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-023**
LOCATION: Rochester, NY	GRADE ELEV.: 420.32 ft asl	START DATE:
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE:
EASTING, NORTHING (ft): 1405485.54 ft, 1155361.96 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Dry, loose, brown, fine to coarse SAND and fine to coarse subrounded Gravel, trace organics, no odors. [SP]		hc	1	--	--	100	0			0
5	Dry, medium dense, brown fine to coarse SAND and coarse angular Gravel, brick and slag/coal present, no odors. [SP]		SS	2	20/12/9/9	--	100	0.1			5
	No recovery []		SS	3	--	--	0	0			
	dry concrete []										
10	Moist, dense, brown, fine SAND and Silt, little subrounded gravel. [SM]		SS	4	9/15/15/20	--	75	0			10
	No Recovery, slough []										
	Moist, very dense, brown, fine to coarse SAND, some silt, little subrounded gravel. [SM]		SS	5	22/23/43/29	--	100	0			
	Moist, very dense, brown, fine to coarse SAND, some subangular gravel, trace silt/fines. [SW]		SS	6	31/29/23/28	--	100	0			
15	No recovery []										15
	Wet, very dense, gray-brown, fine to coarse subangular GRAVEL, some medium to coarse sand, trace silt, slight tar-like odor. [GW]		SS	7	45/29/18/42	--	50	0.1			
	Wet, very dense, grey, medium to coarse SAND and subangular Gravel, product blebs, tar like odor. [SW]										
	Wet, very dense, blak fineto medium SAND and subangular Gravel, some silt, tar-like odor. [SW]		SS	8	31/29/17/20	--	75	0.1			
	Wet, very dense, brown coarse SAND and fine to coarse Gravel, slight tar odor. [SW]		SS	9	40/35/21/19	--	25	0			
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT:	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-023**
LOCATION: Rochester, NY	GRADE ELEV.: 420.32 ft asl	START DATE:
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE:
EASTING, NORTHING (ft): 1405485.54 ft, 1155361.96 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20			SS	9	40/35/21/19	–	25	0			20
	Wet, medium dense, grey, coarse SAND, some subangular gravel, NAPL odor. [SW]										
	Moist, very dense, black, SILT, some subrounded gravel, mild NAPL odor, heavily coated with product. [GM]		SS	10	14/15/13/13	–	100	5.5			
	Wet, very dense, coarse SAND and subangular gravel, tar blebs, NAPL coated, strong odor. [SW]		SS	11	7/100/1//	–	100	7.1			
	Dry, very dense, light brown fine SAND, little subrounded gravel, slight NAPL odor. [SW]										
	End of boring @ 24 ft bgs; Refusal []										
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT:	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-024**
LOCATION: Rochester, NY	GRADE ELEV.: 417.69 ft asl	START DATE: 10/09/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/12/2023
EASTING, NORTHING (ft): 1405330.74 ft, 1155357.29 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, medium dense, brown medium (+) to fine SAND, and coarse (+) to fine (-) Gravel, subangular Gravel bricks present concrete at bottom, no odor [SM]		HC	1	--	--	15	0			0
5	moist, medium dense, brown coarse (+) to fine (-) SAND, some Silt, little coarse (-) to fine (+) Gravel, subrounded Gravel, slight odor [SM]		SS	2	21/7/5/4	--	85	0.7			5
	moist, very loose, brown medium (-) to fine (+) SAND, some Silt, little fine Gravel, rounded Gravel, slight odor, burnt coat [SM]		SS	4	6/5/10/14	--	100	0			
10	wet, very loose, brown coarse (-) to fine (+) SAND, some Silt, little coarse (-) to fine (+), Gravel, subrounded Gravel, slight odor [SM]		SS	5	WH/1/2/3	--	100	0			10
	wet, dense, brown coarse (-) to fine (+) SAND, some Silt, some fine Gravel, subangular Gravel, slight odor [SM]		SS	6	3/7/30/35	--	100	1.2			
	moist, dense, black medium (+) to fine (-) SAND, and coarse (+) to fine (-) Gravel, some Silt, burnt coal (incinerator fill), angular Gravel, strong fuel odor [SM]										
	wet, very stiff, black SILT, and fine Sand, some coarse (-) to fine (+) Gravel, sheen, fuel odor [ML]		SS	7	1/9/8/30	--	100	6.2			
15	moist, very dense, black fine SAND, and coarse Gravel, some SIlt, some Silt, angular Gravel, sheen, blebs, fuel odor [SW]		SS	8	4/16/47/32	--	100	29.9			15
	wet, medium dense, black fine SAND, and Silt, some fine Gravel, subrounded Gravel, strong napthalene odor, sheen [SM]		SS	9	8/9/9/8	--	100	36.2		SWITCH 2" SPOON	
	REFUSAL, METAL IN HOLE @ 19 FT BGS []										
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-025**
LOCATION: Rochester, NY	GRADE ELEV.: 419.61 ft asl	START DATE: 10/02/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/05/2023
EASTING, NORTHING (ft): 1405478.78 ft, 1155483.19 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	AIR HAMMERED THROUGH BOULDER dry, loose, grey coarse Gravel, some Cobble, little fine Sand, angular Gravel, angular Cobble, no odor [GW]		hc	1	--	--	10	0			0
5	NO RECOVERY []		SS	2	1/2/4/1	--	0	0			5
	NO RECOVERY - BRICK []										
	dry, dense brown coarse (+) to medium (-) SAND, and coarse (+) to fine Gravel, subangular Gravel, brick in shoe, plastic liner [SW]		SS	3	8/20/22/21	--	50	0			
	dry, dense, brown medium (-) to fine (+) SAND, trace fine Gravel, subangular Gravel, slight smell [SW]										
10	moist, dense, black coarse (+) to medium (-) SAND, some fine Gravel, angular Gravel, black coal, clinkers, strong oil odor [SW]		SS	4	13/8/23/23	--	100	41.3			10
	moist, dense, grey and black fine SAND, and Silt, little Gravel, subangular Gravel, strong NAP odor, wood present, coating of NAPL on grains [SM]		SS	5	16/22/23/33	--	100	153			
	moist, very dense, black coarse (+) to fine (-) SAND, some Gravel, subangular Gravel, tar NAPL present, strong odor [SW]		SS	6	12/21/100/4/	--	70	332			
15	wet, very dense, black coarse (+) to fine (-) SAND, and Silt, some coarse (+) to fine (-) Gravel, angular Gravel, oil and water sheen, strong NAPL odor, heps [SM]		SS	7	32/39/46/36	--	100	223			15
	wet, very dense, black coarse (-) to fine (+) GRAVEL, and medium to fine Sand, subangular Gravel, oil and water, napthalene odor [GW]										
	dry, hard, yellow CLAY, and Silt, slight odor, white specks [CL]		SS	8	24/44/22/25	--	100	90			
	wet, very dense, black GRAVEL, and coarse Sand, subangular Gravel, sheen, napthalene odor [GW]										
	REFUSAL @ 19 FT BGS. BORING TD @ 19 FT BGS. []		SS	9	150/5	--	0	0			
20											20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-026**
LOCATION: Rochester, NY	GRADE ELEV.: 418.55 ft asl	START DATE: 09/26/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/04/2023
EASTING, NORTHING (ft): 1405343.64 ft, 1155489.14 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, brown coarse (+) to fine SAND, and coarse (+) to fine Gravel, subangular Gravel, no odor [SW]		HC	1	--	--	50	0			0
5	dry, very dense, brown coarse (-) to fine (+) SAND, and coarse (-) to fine (+) Gravel, angular Gravel strong petroleum odor, concrete with staining [SW]										5
	moist, very dense, black speckled with white fine SAND, and Silt, trace Gravel, subrounded Gravel, strong tar odor [SM]		SS	2	100/5/145/3/3	--	85	3.6			
	moist, loose, black mottled grey/white fine SAND, and Silt, strong napthalene odor [SM]										
	moist, medium stiff, red brown CLAY, Silt, fine Sand, trace fine Gravel, subrounded Gravel [ML]		SS	3	1/5/2/2	--	100	0.1			
10	moist, loose, yellow-brown fine SAND, Silt, Clay, some Gravel, angular Gravel, napthalene odor [SM]		SS	4	3/5/4/2	--	75	0			10
	NO RECOVERY, SLIGHT NAPTHALENE ODOR []		SS	5	60/59/65/95	--	0	0			
	NO RECOVERY []		SS	6	50/159/132/100	--	0	0			
15	dry, very dense, dark grey fine SAND, and Silt, some Clay, slight napthalene odor [SM]										15
	very moist, very dense, black, coarse (+) to medium (-) SAND, some Silt, trace Gravel, subrounded Gravel, strong napthalene odor [SM]										
	dry, hard, yellow brown laminated SILT, slight odor [ML]		SS	7	52/29/46/	--	100	0.4		WATER @17 FT BGS	
	dry, hard, brown SILT, and fine Sand, faint napthalene odor [ML]										
	REFUSAL @18.5 FT BGS. TOOLING DAMAGE SUSTAINED. BORING TD @18.5 FT BGS. []			7	100/3	--	--	0			
20			SS	8	63/87/100/5/	--	50	0			20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-026**
LOCATION: Rochester, NY	GRADE ELEV.: 418.55 ft asl	START DATE: 09/26/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/04/2023
EASTING, NORTHING (ft): 1405343.64 ft, 1155489.14 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20			SS	8	63/87/100/5/	–	50	0			20
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-ONSO-027**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 10/03/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 10/11/2023
EASTING, NORTHING (ft): 1405460.459 ft, 1155612.433 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	dry, loose, brown fine SAND, and Silt, some coarse (+) to fine (-) Gravel, subangular Gravel, plastic liner present, no odor [SM]						0
1							
2							
3			HC	50	0		
4							
5	dry, medium dense, brown fine SAND, and Silt, some coarse to fine Gravel, organics, concrete, subangular Gravel [SM]						5
6			SS	50	0		
7	dry, medium dense, black medium (-) to fine (+) SAND, and Silt, little Gravel, ash present, subangular Gravel, slight petroleum odor [SM]						
8			SS	100	0		
9	dry, dense, black coarse to medium SAND, and fine Gravel some Silt, ash present, subrounded Gravel, strong petroleum odor [SW]						
10			SS	100	0.2		10
11							
12	moist, very dense, black coarse Gravel, some Silt, some fine Sand, soot, subrounded Gravel, petroleum odor, NAPL coated [GM]		SS	100	84.4		
13	wet, very dense, black coarse (+) to fine (-) GRAVEL, some coarse to medium Sand, subangular Gravel, sheen, strong petroleum odor [GW]						
14			SS	100	5.2		
15	wet, very dense, black SAND, and Silt, little fine Gravel, ash, subangular Gravel, petroleum-like odor [SM]						15
16	moist, very dense, black coarse to fine GRAVEL, little Silt, little coarse to fine Sand, soot, subrounded Gravel, petroleum-like odor [GM]		SS	65	65		
17	wet, very dense black SAND, and Silt, some coarse to fine Gravel, soot, subangular Gravel, petroleum-like odor [SM]						
18	moist, very dense, black SAND, and Silt, petroleum-like odor [SM]		SS	100	1		
19	wet, very dense, black coarse to medium GRAVEL, some medium to fine Sand, little Silt, napthalene odor [GM]						
20			SS	100	2.1		20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-ONSO-027**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 10/03/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 10/11/2023
EASTING, NORTHING (ft): 1405460.459 ft, 1155612.433 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20	dry limestone, no NAPL [USGS 627] BORING TD @ 20 ft 11 inches BGS.						20
21							
22							
23							
24							
25							25
26							
27							
28							
29							
30							30
31							
32							
33							
34							
35							35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-028**
LOCATION: Rochester, NY	GRADE ELEV.: 420.2 ft asl	START DATE: 10/03/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/05/2023
EASTING, NORTHING (ft): 1405566.462 ft, 1155706.613 ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, loose, grey coarse (+) to fine (-) GRAVEL, some coarse to medium Sand, 2 layers of plastic liner downhole, subangular Gravel, no odor [GW]		HC	1	--	--	5	0			0
5	moist, dense, brown medium (+) to fine (-) SAND, and Silt, trace fine Gravel, slight mothball odor [SM]		SS	2	12/19/13/7	--	25	0			5
	NO RECOVERY []		SS	3	2/2/4/7	--	0	0			
10	damp, stiff, brown/black SILT, and fine Sand, trace Clay, brick at bottom, slight napthalene odor, fence with ring present [ML]		SS	4	7/7/10/13	--	10	22.7			10
	damp, medium dense, black fine SAND, strong diesel fuel odor, stained [SP]		SS	5	10/12/8/6	--	100	208			
	wet, loose, black fine SAND, and Silt, little Gravel, subrounded Gravel, slight fuel odor [SM]		SS	6	3/3/4/6	--	100	156			
15	wet, loose, black fine SAND, some Silt, trace fine Gravel, subrounded Gravel, fuel odor [SM]		SS	7	3/4/5/3	--	100	316			15
	wet ,very loose, black fine SAND, some Silt, trace Gravel, subangular Gravel, fuel odor [SM]		SS	8	WOH/WOH/2/3	--	100	45			
20	wet, dense, black medium (-) to fine (+) SAND, some Silt, some Gravel, subangular Gravel, sheen fuel odor [SM]		SS	9	18/19/20/23	--	100	23			20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **PDI-ONSO-028**
LOCATION: Rochester, NY	GRADE ELEV.: 420.2 ft asl	START DATE: 10/03/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/05/2023
EASTING, NORTHING (ft): 1405566.462 ft, 1155706.613 ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20			SS	9	18/19/20/23	–	100	23			20
	wet, very dense, black fine SAND, and Silt, trace Gravel, subrounded Gravel, slight fuel odor [SM]										
	wet, very dense, black coarse (+) to fine (-) SAND, and coarse Gravel, subangular Gravel, strong fuel odor [SW]		SS	10	19/32/39/75	–	100	2.3			
	dry, hard, brown SILT, and fine Sand [ML]										
	dry, very dense, coarse SAND, and fine Gravel, subangular Gravel [SP]										
	dry, hard yellow SILT, and fine Sand [ML]		SS	11	72/55/65/100	–	100	2			
	BORING TD @ 24 FT BGS []										
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Bob, Mike	EQUIPMENT: Geoprobe	
OVERSIGHT: E. Larson	METHOD: Direct Push	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **EW-1**
LOCATION: Rochester, NY	GRADE ELEV.: ft asl	START DATE: 11/27/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 11/28/2023
EASTING, NORTHING (ft): ft, ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, soft, brown SILT, some fine Sand, little medium to fine subangular Gravel, no odor. [ML]		HC	1	--	--	60	0		27" Stick uop Outer casing, 24" PVC stick-up.	0
5	dry, hard, black/brown SILT and medium to fine Sand, no odor, fill, trace coarse Gravel. [ML]		SS	2	11/22/13/15	--	80	0			5
	dry, very stiff, black/brown SILT and medium to fine Sand, no odor, fill, trace coarse Gravel. [ML]		SS	3	16/10/9/7	--	60	0			
10	dry, very dense, brown coarse to fine SAND and Silt, some coarse to fine Gravel, no odor. [SM]		SS	4	22/19/61/71	--	60	0		Grout to surface (0-10')	10
	dry, hard, brown SILT, some coarse to fine Sand, some coarse angular Gravel, brick in shoe, no odor. [ML]		SS	5	61/31/27/67	--	50	0			
	dry, hard, brown SILT and medium to fine subangular Gravel, some coarse to fine Sand, no odor. [ML]		SS	6	17/55/64/	--	25	0		Bentonite Chips (10.2' - 13.2')	
15	dry, very dense, brown coarse to fine SAND and Silt, some fine subangular Gravel, no odor. [SM]		SS	7	25/30/47/45	--	100	0		Top of 10-slot PVC well screen (15.2' - 22.8")	15
	wet, very dense, grey-brown coarse to fine SAND and medium to fine angular Gravel, no odor. [SW]		SS	8	31/30/25/30	--	75	0			
20	wet, very dense, brown coarse to fine SAND and Silt, some medium to fine Gravel, slight fuel odor. [SM]		SS	9	17/16/100/4/	--	80	0.1			20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Mark Childs	EQUIPMENT: CME-75	
OVERSIGHT: J. Bixler	METHOD: Hollow Stem Auger	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **EW-1**
LOCATION: Rochester, NY	GRADE ELEV.: ft asl	START DATE: 11/27/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 11/28/2023
EASTING, NORTHING (ft): ft, ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20	DRILLERS AUGERED THROUGH [SM]		SS	9	17/16/100/4/	–	80	0.1			20
	dry, hard, brown SILT and fine Sand, some medium angular Gravel. [ML]		SS	10	14/100/3//	–	60	0			
	SPOON REFUSAL @ 21.9 FT BGS. BORING TD @ 21.9 FT BGS. []									Botton of hole.	
25											25
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Mark Childs	EQUIPMENT: CME-75	
OVERSIGHT: J. Bixler	METHOD: Hollow Stem Auger	BOREHOLE DIA.: n/a

APPENDIX C-2 OFFSITE SOIL BORING LOGS

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-001**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/10/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/10/2023
EASTING, NORTHING (ft): 1405297.05 ft, 1156069.38 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry loose brown fine to medium SAND, some silt, little fine to coarse subangular gravel, no odor [SP]						0
1							
2							
3			HC	45	0		
4							
5	Dry loose white and red fine ash, brick, some incendiary fill, no odor []						5
6			SS	100	0		
7	Dry loose white and red fine ash, brick, some incendiary fill, some glass, no odor []						
8			SS	80	0		
9	Dry loose brown fine to medium SAND, some fine to medium subround gravel, little silt, no odor [SM]						
10			SS	90	0		10
11	Dry loose brown fine to medium SAND, some fine to medium subround gravel, little silt, no odor [SM]						
12	Dry loose dark grey fine to coarse SAND and SILT, some fine to medium subround gravel, no odor [SM]		SS	90	0		
13	dark grey, moist, fine to coarse SAND and Silt, some fine to medium subangular grael, petroleum odor, staining. [SM]						
14			SS	90	0		
15	Dark grey moist loose fine to coarse SAND and SILT, some fine to medium subangular gravel, petroleum odor, staining [SM]						15
16	Moist grey stiff CLAY and SILT, little fine to medium sand, trace coarse subangular gravel, petroleum odor [CL]		SS	60	2.7		
17	Moist grey/brown CLAY and SILT, black staining, sour odor [CL]						
18	Moist soft black SILT and fine SAND, little clay, no odor [ML]		SS	75	45.7		
19	Moist black/brown fine SILT and SAND, little clay, no odor [ML]						
20			SS	10	0.1		20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-001**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/10/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/10/2023
EASTING, NORTHING (ft): 1405297.05 ft, 1156069.38 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20			SS	10	0.1		20
21	Wet loose brown with black staining fine to coarse SAND and SILT, some fine subround gravel, little clay, sour odor [SM]						
22			SS	100	0		
23	Wet loose grey/black stained fine to coarse SAND, some silt, little medium subangular gravel, sour odor [SM]						
24			SS	100	0.1		
25	Wet loose grey/black stained fine to coarse SAND, some silt, little medium subangular gravel, slight petroleum odor, sheen bottom 6" [SM]						25
26			SS	100	0		
27	Moist loose black fine to coarse SAND, some silt, little clay, little fine to medium subround gravel, oil sheen, petroleum odor, staining, bottom 4" shale [SM]						
28			SS	100	0		
	REFUSAL @ 28.3' BGS. TD 28.3' BGS []						
29							
30							30
31							
32							
33							
34							
35							35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-002**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/09/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/09/2023
EASTING, NORTHING (ft): 1405281.04 ft, 1156133.26 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry loose brown fine SAND, some silt, little medium subangular gravel, no odor [SM]						0
1							
2							
3			HC	50	0		
4							
5	Plastic trash, ash, brick, glass, incendiary fill, no odor []						5
6			SS	50	0		
7	Plastic trash, ash, brick, glass, incendiary fill, no odor []						
8			SS	60	0		
9	Plastic trash, ash, brick, glass, incendiary fill, little sand, no odor []						
10			SS	90	0		10
11	Plastic trash, ash, brick, glass, incendiary fill, little sand and silt, no odor []						
12			SS	80	0		
13	Dry stiff gray fine SAND and SILT, some clay, little fine to medium subround gravel, staining, petroleum odor (sour, degrading, acrid) [SM]						
14			SS	70	5.2		
15	Moist soft gray CLAY and SILT, some fine to coarse sand, trace fine subround gravel, degraded petroleum odor [CL]						15
16	Moist soft gray CLAY and SILT, some fine to coarse sand, trace fine subround gravel, black staining, degraded petroleum odor [CL]		SS	90	2.3		
17	Moist stiff brown mottled black staining fine SILT and SAND, some clay, slight petroleum odor [SM]						
18			SS	100	0.2		
19	Wet soft grey with black staining fine SAND and SILT, some clay, trace coarse subround gravel, sheen, napthalene odor [SM]						
20			SS	80	3.5		20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-002**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/09/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/09/2023
EASTING, NORTHING (ft): 1405281.04 ft, 1156133.26 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20			SS	80	3.5		20
21	Wet soft brown mottled gray fine SAND and SILT, some clay, little fine to medium subangular gravel, sheen, petroleum odor [SM]						
22			SS	100	31.5		
23	Wet soft grey fine to medium SAND and SILT, some clay, little fine subangular gravel, sheen, staining, napthalene odor [SM]						
24			SS	100	3.1		
25	Dry stiff tan fine SAND and SILT, some clay, seams of staining, faint petroleum odor [SM]						25
26	REFUSAL @ 26.6' BGS. TD 26.6' BGS []		SS	70	2.3		
27							
28							
29							
30							30
31							
32							
33							
34							
35							35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-003**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/09/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/09/2023
EASTING, NORTHING (ft): 1405250.75 ft, 1156184.69 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry loose fine brown SAND, some silt, little fine to medium subangular gravel, no odor [SP]						0
1							
2							
3			HC	40	0		
4							
5	Dry loose brown fine to medium SAND, some fine to medium subround gravel, no odor [SP]						5
	Ash, brick, incendiary fill, wood, no odor [SP]						
6			SS	50	0		
7	Ash, brick, incendiary fill, wood, glass, no odor [SP]						
8			SS	70	0		
9	White with red staining fine to coarse SAND, ash, wood, incendiary fill, glass, brick, no odor [SP]						
10			SS	50	0		10
11	Dry loose fine SAND and SILT, some fine sand, trace fine subround gravel, little clay, no odor [SM]						
12			SS	85	0		
13	Dry soft grey CLAY and SILT, some fine sand, trace fine subround gravel, little clay, no odor [ML]						
14			SS	100	0		
15	Dry stiff gray CLAY and SILT, some fine sand, trace medium subangular gravel, petroleum odor [ML]						15
16			SS	100	1.5		
17	Dry stiff gray CLAY and SILT, some fine sand, trace medium subangular gravel, black stained lenses, petroleum odor [ML]						
18			SS	100	0.3		
19	Dry stiff gray CLAY and SILT, some fine sand, trace medium subangular gravel, black stained lenses, wet sheen, strong napthalene odor [ML]						
20			SS	100	9		20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-003**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/09/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/09/2023
EASTING, NORTHING (ft): 1405250.75 ft, 1156184.69 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20			SS	100	9		20
21	Wet soft gray CLAY and SILT, some fine sand, heavy sheen, napthalene odor [ML]						
22			SS	30	0		
23	Wet loose fine to coarse SAND and SILT, some clay, black staining, petroleum odor [SM]						
24			SS	50	0		
25	Wet to dry brown stiff SILT and fine SAND, some clay, black lenses of staining, faint petroleum odor [SM]						25
26			SS	100	0		
27	Dry stiff tan fine SAND and SILT, some clay, no odor, weathered shale bottom 2" [SM]		SS	100	0		
28	REFUSAL @27.88'. TD 27.88'BGS						
29	Samples: 13-15'= above initial contamination 19-21= above water table, most contaminated 27-27.88= above refusal []						
30							30
31							
32							
33							
34							
35							35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-004**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/07/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/07/2023
EASTING, NORTHING (ft): 1405175.37 ft, 1156183.92 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry loose dark brown fine SAND, some silt, trace fine angular gravel, no odor [SM]						0
1							
2							
3			HC	70	0		
4							
5	Dry loose brown with black and red staining fine to medium SAND and SILT, some fine to medium subangular gravel, little ash and clay, no odor [SM]						5
6			SS	50	0		
7	Dry loose brown fine(-) to medium(+) SAND, some silt and fine subangular gravel, white ash, no odor [SM]						
8			SS	50	0		
9	Dry loose brown fine(-) to medium (+) SAND, some silt, little medium to coarse subangular gravel, ash, incendiary fill, no odor [SP]						
10			SS	50	0		10
11	Dry soft brown fine SAND and SILT, little clay, trace medium subround gravel, no odor [SM]						
12			SS	100	0		
13	Moist stiff brown/black mottled CLAY and SILT, some fine sand, no odor [CL]						
14			SS	100	0		
15	Wet soft brown fine SAND and SILT, no odor [SM]						15
16			SS	100	0		
17	Wet soft brown fine SAND and SILT, trace fine subround gravel and clay, no odor [SM]						
18			SS	100	0		
19	Wet loose brown/black mottled fine to medium SAND and SILT, little fine to medium subround gravel, trace clay, no odor [SM]						
20			SS	100	0		20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-004**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/07/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/07/2023
EASTING, NORTHING (ft): 1405175.37 ft, 1156183.92 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20			SS	100	0		20
21	Wet loose brown/black mottled fine to medium SAND and SILT, little fine to medium subround gravel, trace clay, faint decaying petroleum odor [SM]						
22			SS	100	0		
23	Wet loose brown fine to medium SAND and SILT, some fine to medium subangular gravel, no odor, cobble in shoe [SM]						
24			SS	50	0		
25	Wet soft brown with black staining fine to medium SAND and SILT, little medium to coarse subangular gravel, clay, slight petroleum odor [SM]						25
26			SS	100	0		
27	Wet loose fine to medium SAND and SILT, some fine to coarse subangular gravel, little clay, black staining, petroleum odor [SM]						
28			SS	100	0		
29	Wet loose grey coarse subangular GRAVEL, some sand and silt, trace clay, petroleum odor [GW]						
30			SS	20	0		30
31	Wet loose grey fine to coarse subangular GRAVEL, some silt and fine sand, decay odor [GM]						
32			SS	50	0		
33	Dry stiff brown CLAY and SILT, some fine sand, interbedded with coarse sand and fine rounded gravel, slight petroleum odor [CL]						
34			SS	100	0		
35	REFUSAL @ 34.8' BGS. TD 34.8' BGS []						35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-005**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/06/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/06/2023
EASTING, NORTHING (ft): 1405050.02 ft, 1156160.07 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry loose brown fine to medium SAND, some silt and medium angular gravel, brick, no odor [SW]						0
1							
2							
3			HC	65	0		
4							
5	Dry stiff tan fine SAND and SILT, little fine to medium subangular gravel, no odor [SM]					Sample collected from (5-7') bgs (intial above observed contamination).	5
6			SS	25	0		
7	Moist soft brown with black staining fine to medium SAND and SILT, some clay, little medium to coarse subangular gravel, degraded petroleum odor [SM]						
8			SS	100	13.6		
9	Mosit soft black stained fine(+) to medium(-) SAND and SILT, some clay, trace medium subangular gravel, brick, faint petroleum odor [SM]					Sample collected from (9-11') bgs (above water table).	
10			SS	30	0.4		10
11	Wet stiff brown CLAY, some silt and fine sand,brick, staining, wood, faint petroleum odor [CL]						
12			SS	30	0		
13	Moist soft black stained fine SAND and SILT, trace clay, trace brick, fresh petroleum odor [SM]						
14			SS	75	0		
15	Moist soft black stained fine SAND and SILT, trace clay, trace brick, spotty sheen, strong petroleum odor [SM]						15
16			SS	75	7.9		
17	Moist soft black stained fine SAND and SILT, trace clay, trace brick, spotty sheen, strong petroleum odor [SM]						
18	Dry brown black stained fine SILT and SAND, some clay, no odor [ML]		SS	90	5.7		
19						Refusal	
20							20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-006**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 10/31/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 10/31/2023
EASTING, NORTHING (ft): 1404980.57 ft, 1156182.73 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Concrete, dry brown loose fine to coarse SAND and SILT, bottom .5' some brick, no odor [SM]						0
1							
2							
3			HC	100	0		
4							
5	Dry loose red/brown fine(-) to coarse(+) SAND, some silt, little medium angular gravel, little glass, brick, coal, no odor [SM]						5
6			SS	40	0		
7	Wet loose coarse(+) to fine SAND and fine angular GRAVEL, some silt, glass lens, wood, organics, no odor [SW]						
8			SS	50	0		
9	Moist loose black fine to coarse SAND and SILT, little medium angular gravel, lots of organics, wood, light coating, light sheen, petroleum odor [SM]					sample collected from (9-11') bgs above the water table and initial observed contamination.	
10			SS	65	0		10
11	No recovery, spoon very wet (sheen) []						
12			SS	0	0		
13	No recovery, spoon very wet (sheen) []						
14			SS	0	0		
15	Wet soft black stained SILT and fine SAND, trace medium subangular gravel, wood, light coating, sheen, slight petroleum odor [ML]						15
16			SS	25	0		
17	Wet, soft, grey, SILT and Clay, little angular gravel, little sand, sheen, petroleum odor. [ML]		SS	100	0	sample collected from (7-17.6') bgs above refusal, most impacted. Refusal	
18							
19							
20							20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-007**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 10/31/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 10/31/2023
EASTING, NORTHING (ft): 1404988.3 ft, 1156228.65 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Concrete building foundation []						0
1							
2							
3			HC	100	0		
4							
5	Moist soft brown fine SAND and SILT, little clay, no odor [SM]						5
6			SS	95	0		
7	Moist soft brown fine SILT, some fine sand, little clay, no odor. [ML]					Sample collected from (7-8.5') bgs (above water table, above initial observation of impacts)	
8			SS	100	0		
9	Moist soft brown fine SILT, some fine sand, little clay, staining, slight fuel odor. [ML]						
	Wet soft brown fine SILT, some fine sand, little clay, black staining, fuel odor. [ML]						
10			SS	60	0		10
11	Dry stiff yellow fine SAND and SILT, some clay, no odor [SM]						
	Dry stiff brown fine SILT and SAND, some clay, lenses of black staining, faint fuel odor [SM]						
12			SS	100	0		
13	Dry stiff brown fine SILT and SAND, some clay, black staining, napthalene odor [ML]					Sampled collected from (13-14.5') bgs (most impacted)	
14			SS	100	0.2		
15	Dry stiff brown fine SILT and SAND, some clay, little medium to coarse subangular gravel , napthalene odor [ML]						15
	Dry stiff brown CLAY, some silt, little sand, no odor [CL]						
16	Dry stiff brown fine SAND and SILT, mottled black staining, no odor, shale interbedded [SM]		SS	100	0		
17	Dry stiff brown fine SAND and SILT, very dense, interbedded weathered shale, no odor [SM]						
18			SS	100	0		
19						Sample collected from (19-20.5') bgs (bottom of boring)	
20			SS	100	0	Refusal	20
21							
22							
23							
24							
25							25

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-008**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/01/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/01/2023
EASTING, NORTHING (ft): 1404889.39 ft, 1156187.84 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Concrete, some cobble and coarse angular gravel []						0
1							
2							
3			HC	100	0		
4							
5	Dry brown loose fine to coarse SAND, some silt, some coarse round gravel, little staining, no odor [SM]						5
6			SS	30	0		
7	Dry loose gray red staining fine to coarse SAND, little fine subround gravel, no odor [SW]					Sample collected from (7-9') bgs (above water table, above intial observation of impacts).	
8	Moist loose dark gray fine subangular GRAVEL, some silt, little fine sand, no odor [GP]		SS	55	0		
9	Wet loose black stained subround fine(+) to medium GRAVEL, some silt and fine sand, faint petroleum odor [GW]						
10			SS	20	0		10
11	Wet loose black stained subround fine(+) to medium(-) GRAVEL, some fine to medium sand, little silt, faint petroleum odor [GW]						
12			SS	20	0		
13	Wet loose black subangular fine to medium GRAVEL, some silt, little fine sand, little clay, faint petroleum odor [GW]						
14			SS	65	0		
15	Wet loose black subangular fine GRAVEL, some silt, little fine sand, faint petroleum odor [GW]						15
16	Dry stiff brown CLAY, some fine sand and silt, lenses of staining, faint petroleum odor [CL]		SS	90	0		
17	Dry stiff brown CLAY, some fine sand and silt, lenses of staining, faint petroleum odor [CL]						
18			SS	90	0		
19						Refusal	
20							20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-009**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/01/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/01/2023
EASTING, NORTHING (ft): 1404899.61 ft, 1156099.8 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Concrete, cobble, organics, roots []						0
1							
2							
3			HC	100	0		
4							
5	Dry loose brown fine to medium SAND, little silt, no odor [SW]					sample collected at (5-7') bgs (initial observation of impacts)	5
6			SS	85	0		
7	Moist soft brown, black staining, fine SAND and SILT, some clay, strong petroleum odor [SM]					sample collected at (7-9') bgs (above water table)	
8			SS	100	1.2		
9	Wet soft brown/black stained fine SAND and SILT, some clay, strong petroleum odor [SM]					sample collected at (9-11.2') bgs (most observable impacts, bottom of the boring)	
10			SS	70	1.4		10
11	Dry dense brown fine SAND and SILT, some staining [SM]		SS	100	1.9	Refusal	
12							
13							
14							
15							15
16							
17							
18							
19							
20							20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-010**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/02/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/02/2023
EASTING, NORTHING (ft): 1404987.57 ft, 1156024.06 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0							0
1	Asphalt, ash []						
2	Dry grey loose fine to coarse SAND, some fine to medium gravel, some silt, no odor [SW]		HC	50	0		
3							
4							
5	Moist soft grey/brown fine SAND and SILT, some clay, no odo0r [SM]						5
6			SS	90	0		
7	Moist soft grey fine to medium SAND and SILT, little clay, no odor [SM]						
8			SS	60	0		
9	Moist soft grey fine SAND and SILT, little clay, no odor [SM]					sample collected (9-11') bgs = above water table, above initial sign of impacted material	
10			SS	95	0		10
11	Wet grey soft fine SAND and SILT, some clay, little fine(+) to medium(-) subangular gravel, light coating, strong napthalene odor [SM]						
12			SS	95	0		
13	Wet soft black stained fine SAND and SILT, little clay, light coating, petroleum odor [SM]					sample collected (13-15') bgs = most impacted material	
14			SS	100	0		
15	Wet soft black stained fine SAND and SILT, little clay, and fine subround gravel, faint petroleum odor [SM]						15
16			SS	100	0		
17	Wet soft black stained fine SAND and SILT, little clay, and fine subround gravel, no odor [SM]						
18			SS	100	0		
19	Wet loose grey/yellow fine(-) to medium(+) subangular GRAVEL, some fine sand and silt, ash, no odor [GP]					sample collected (19-21') bgs = above refusal/bottom of boring	
20			SS	50	0		20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFF-SO-010**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/02/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/02/2023
EASTING, NORTHING (ft): 1404987.57 ft, 1156024.06 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20			SS	50	0		20
21	Shale [USGS 620]		SS	25	0	Refusal	
22							
23							
24							
25							25
26							
27							
28							
29							
30							30
31							
32							
33							
34							
35							35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-011**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/02/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/02/2023
EASTING, NORTHING (ft): 1405047.4 ft, 1156029.54 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry grey asphalt, brick, glass, fine SAND, cobbles, coarse gravel [SP]						0
1						sample collected (1-5') bgs = above initial sign of impacted material	
2							
			HC	80	0		
3							
4							
5	Dry loose black stained fine(-) to coarse(+) SAND, some silt and fine subround gravel, brick, glass, strong napthalene odor, light coating [SW]						5
6			SS	40	7.1		
7	Moist loose black stained fine to coarse SAND, some fine subround gravel, little silt, brick, glass, light coating, napthalene odor [SW]						
8			SS	20	7.9	sample collected (8-11') bgs = above water table, most impacted material	
9	Moist loose black stained fine to coarse SAND, some fine subround gravel, little silt, brick, glass, light coating, napthalene odor [SW]						
10			SS	20	5.2		10
11	Wet loose medium angular GRAVEL, some fine to coarse sand and silt, brick, no odor [GM]						
12			SS	30	0		
13	No recovery, wet bricks []						
14			SS	0	0		
15	Wet soft black CLAY and SILT, little mediium to coarse sand, little fine to medium subangular gravel, staining, faint petroleum odor [CL]						15
16			SS	40	0		
17	Dry stiff black and brown mottled CLAY and SILT, some fine sand, staining, faint petroleum odor [CL]					sample collected (17-18.8') bgs = bottom of boring	
18			SS	100	0		
19						Refusal	
20							20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-012**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/06/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/06/2023
EASTING, NORTHING (ft): 1405134.6 ft, 1156039.01 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry black loose fine to medum SAND and SILT, some fine subangular gravel, no odor [SM]						0
1							
2							
			HC	70	0		
3							
4							
5	Dry loose brown fine(-) to medium(+) SAND and SILT, some fine subangular gravel, no odor [SM]					sample collected (5-7') bgs = above water table	5
6			SS	15	0		
7	Wet soft brown fine to medium SAND and SILT, little clay, faint decay odor [SM]					sample collected (7-9') bgs = above initial sign of impacted material	
8			SS	100	0		
9	Moist stiff brown with black staining fine to medium SAND and SILT, some clay, faint petroleum odor bottom 6" [SM]						
10			SS	100	0		10
11	Wet stiff black/grey fine to medium SAND and SILT, little clay, little fine to coarse subangular gravel, staining, petroleum odor [SM]						
12			SS	100	0		
13	Wet soft brown with black staining fine to medium SAND and SILT, little clay and fine to coarse subangular gravel, slight petroleum odor [SM]						
14			SS	100	0		
15	Wet soft brown with black staining fine to medium SAND and SILT, little clay and fine to coarse subangular gravel, slight napthalene odor [SM]					sample collected (15-16') bgs = most impacted material	15
16	Dry stiff brown SILT and CLAY, some fine sand, lenses of black staining, faint napthalene odor [ML]		SS	100	0	sample collected (16-18.7') bgs = bottom of boring	
17							
18			SS	60	0		
19						Refusal	
20							20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-013**
LOCATION: Rochester, NY	RIG TYPE.: CME-75	START DATE: 11/14/2023
CLIENT: RG&E	SAMPLE METHOD: Hollow Stem Auger	COMPLETION DATE: 11/14/2023
EASTING, NORTHING (ft): 1405156.5 ft, 1155941.16 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	dry, loose, brown coarse to fine SAND, and Silt, some medium to fine Gravel, subangular Gravel, no odor [SM]						0
1							
2			HC	100	0		
3							
4							
5	dry, loose, brown/orange medium (-) to fine (+) SAND, and Silt, little fine Gravel, subangular Gravel, no odor [SM]						5
6			SS	60	0		
7	damp, soft, brown SILT, some medium (-) to fine (+) Sand, little fine Gravel, subangular Gravel, no odor [ML]		SS	90	0.8		
8			SS	90	0		
9	moist, grey/brown SILT, some fine Sand, little Clay, little fine Gravel, angular Gravel, no odor [ML]						
10			SS	40	0		10
11	wet, grey/brown SILT, some fine Sand, little Clay, little fine Gravel, angular Gravel, no odor [ML]		SS	100	0		
12			SS	100	0.1		
13	wet, soft, black SILT, some fine Sand, staining, petrol odor [ML]						
14	moist, dense, grey fine SAND, and Silt, trace fine Gravel, subangular Gravel, mottled staining, petrol odor [SM]		SS	100	0.5		
15			SS	100	2.2		15
16			SS	100	0		
17	dry, stiff, mottled grey/black/brown SILT, little Clay, petrol odor, seams of staining [ML]		SS	100	1.3		
18	dry, very stiff, mottled grey/black/brown SILT, little Clay, petrol odor, seams of staining, napthalene odor [ML]		SS	60	0		
19			SS	60	0.6		
20	dry, stiff, tan SILT, some Clay, napthalene odor, seams of staining [ML]		SS	80	0.1		20
21	REFUSAL @ 20 FT BGS. BORING TD @ 20 FT BGS []						
22							
23							
24							
25							25

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: J. Bixler

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-014**
LOCATION: Rochester, NY	RIG TYPE.: CME-75	START DATE: 11/13/2023
CLIENT: RG&E	SAMPLE METHOD: Hollow Stem Auger	COMPLETION DATE: 11/13/2023
EASTING, NORTHING (ft): 1405228.14 ft, 1155997.76 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	dry, loose, brown medium (-) to fine (+) SAND, and Silt, little medium to fine Gravel, subangular Gravel [SM]						0
1							
2							
			HC	100	0		
3							
4							
5	moist, loose, brown medium (-) to fine (+) SAND, and Silt, little fine Gravel, subrounded Gravel, no odor [SM]						5
6			SS	60	0		
7	moist, loose, brown medium (-) to fine (+) SAND, and Silt, little fine Gravel, little Clay, subrounded Gravel, no odor [SM]						
8			SS	50	0		
9	moist, loose, grey/black medium (-) to fine (+) SAND, and Silt, little Clay, little fine Gravel, subangular Gravel, petrol odor, staining [SM]						
			SS	100	0		
10							10
			SS	100	1.8		
11	moist, loose, grey/black medium (-) to fine (+) SAND, and Silt, little Clay, petrol odor, staining [SM]						
			SS	100	0.4		
12							
			SS	100	2.6		
13	wet, loose, black medium (-) to fine (+) SAND, and Silt, little medium subangular Gravel, subangular Gravel, petrol odor staining [SM]						
			SS	100	0.8		
14							
			SS	100	2.1		
15	moist, dense, black/tan fine (+) SAND, and Silt, some Clay, staining, petrol odor [SM]						15
			SS	100	2.1		
16							
			SS	100	7		
17	moist, dense, black medium (+) to fine (-) SAND, some Silt, staining, petrol odor [SM]						
			SS	100	6		
18	dry, dense, tan fine SAND, and Silt, little Clay, seams of staining [SM]						
			SS	100	38.9		
19							
			SS	100	1.7		
20							20
			SS	100	4.1		
21							
	Shale in shoe. REFUSAL @ 21.25 FT BGS. BORING TD @ 21.25 FT BGS []		SS	–	2.1		
22							
23							
24							
25							25

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: J. Bixler

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-015**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/08/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/08/2023
EASTING, NORTHING (ft): 1405202.81 ft, 1156082.93 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry loose brown fine to medium SAND, some silt, little fine to medium subangular gravel, no odor [SP]						0
1							
2							
3			HC	50	0		
4							
5	Dry loose brown fine SAND and SILT, little fine round gravel, no odor, 2" ash and glass top and bottom [SM]					sample collected (5-7') bgs =above initial sign of impacted material	5
6			SS	70	0		
7	Ash, brick, glass, incendiary fill, sour odor []						
8			SS	70	0		
9	Ash, brick, glass, incendiary fill, some silt and fine sand sour odor []						
10			SS	50	0		10
11	Moist soft black stained fine to medium SAND and SILT, some clay, petroleum odor [SM]					sample collected (11-13') bgs = above water table	
12			SS	75	0		
13	Wet soft black fine to medium SAND and SILT, staining, petroleum odor [SM]						
14			SS	100	0		
15	Wet soft black fine to medium SAND and SILT, staining, faint sheen, petroleum odor [SM]						15
16			SS	60	0		
17	Wet soft black fine to medium SAND and SILT, staining, faint sheen, petroleum odor [SM]						
18	Moist stiff black fine to coarse SAND and SILT, petroleum odor [SM]		SS	100	0		
19	Moist soft black stained fine to medium SAND and SILT, little clay, petroleum odor [SM]						
20			SS	100	2.5		20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-015**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/08/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/08/2023
EASTING, NORTHING (ft): 1405202.81 ft, 1156082.93 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20	Dry tan stiff fine SAND and SILT, little clay, seams of staining, petroleum odor [SM]		SS	100	2.5		20
21	Dry stiff brown fine SILT and CLAY, some fine sand, staining, petroleum odor [ML]						
22			SS	75	3.1		
23	Dry stiff brown CLAY and SILT, some fine sand, lenses of black staining [ML]					sample collected (23-23.4') bgs =most impacted material, bottom of boring	
24			SS	100	6.1		
25						Refusal	25
26							
27							
28							
29							
30							30
31							
32							
33							
34							
35							35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-016**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/08/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/08/2023
EASTING, NORTHING (ft): 1405146.5 ft, 1156113.49 ft	WATER DEPTH:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry loose brown fine SAND, some silt, little fine subround gravel, no odor [SW]						0
1							
2							
3			HC	50	0		
4							
5	Dry loose brown fine SAND, some silt, little fine subround gravel, no odor [SW]					sample collected (5-7') bgs =above initial sign of impacted material	5
6			SS	50	0		
7	2" ash, 4" brick and glass, 6" black incendiary fill and ash, fuel odor []						
8			SS	65	0		
9	Dry loose red white ash and brick []						
10	Dry stiff grey CLAY and SILT, some fine sand, little fine subangular gravel, sour odor [CL]		SS	40	0		10
11	Moist stiff black stained fine(+) to medium(-) SAND and SILT, little clay, petroleum odor [SM]					sample collected (11-13') bgs = above water table	
12			SS	100	0		
13	Moist stiff black fine SAND and SILT, little clay, staining, petroleum odor [SM]						
14			SS	100	0		
15	Soft black stained fine SAND and SILT, trace clay, petrol odor [SM]						15
16			SS	100	0		
17	Wet soft black stained fine SAND and SILT, petroleum odor, light coating bottom 4" [SM]						
18			SS	100	0		
19	Wet soft black stained fine SAND and SILT, little clay, petroleum odor [SM]						
20			SS	100	0		20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-016**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/08/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/08/2023
EASTING, NORTHING (ft): 1405146.5 ft, 1156113.49 ft	WATER DEPTH:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
20			SS	100	0		20
21	Dry stiff brown black stained lenses CLAY and SILT, little fine gravel, petroleum odor [CL]						
22			SS	100	2.8		
23	Dry brown stiff CLAY and SILT, some fine to medium sand, black lenses of staining, coating, sheen, petroleum odor [CL]					sample collected (23-24.1') bgs = above refusal, most impacted material	
24			SS	100	5.7	Refusal	
25							25
26							
27							
28							
29							
30							30
31							
32							
33							
34							
35							35
36							
37							
38							
39							
40							40

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

DRILLING RECORD

PROJECT: East Station	HOLE TYPE.: BOREHOLE	BOREHOLE NO: **PDI-OFFSO-017**
LOCATION: Rochester, NY	RIG TYPE.: Geoprobe	START DATE: 11/03/2023
CLIENT: RG&E	SAMPLE METHOD: Direct Push	COMPLETION DATE: 11/03/2023
EASTING, NORTHING (ft): 1405073.31 ft, 1156104.56 ft	WATER DEPTH:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RECOVERY %	PID (ppm)	COMMENTS	Depth (ft)
0	Dry loose brown fine to medium SAND, little silt, trace fine to medium subround gravel, asphalt [SW]						0
1						sample collected (1-5') bgs = above initial sign of impacted material	
2							
3			HC	70	5		
4							
5	Dry stiff brown SILT and CLAY, some fine sand, trace fine subangular gravel, glass, staining, strong petroleum odor [ML]					sample collected (5-7') bgs = most impacted material	5
6			SS	100	10		
7	Dry loose brown fine SAND, some silt, little clay, slight petroleum odor [SW]						
8	Broken brick, coated, strong fuel odor []		SS	40	11.5		
9	Wet loose fine(+) to medium(-) subangular GRAVEL, some silt and fine to medium sand, little clay, sheen, no odor [GM]						
10			SS	5	0		10
11	Wet loose black SILT and CLAY, some fine to coarse angular gravel, staining, roots/wood, faint petroleum odor [ML]						
12			SS	40	0		
13	Wet stiff dark grey/black SILT and fine to medium SAND, little clay, staining, slight petroleum odor [ML]						
14			SS	80	0		
15	Wet stiff dark grey/black SILT and fine to medium SAND, little clay, staining, slight petroleum odor [ML]						15
16			SS	60	0		
17	Dry stiff very dense stained balck/tan mottled fine SAND and SILT, some clay, wood and brick, faint petroleum odor, shale at bottom [SM]						
18			SS	100	0		
19						Refusal	
20							20

PARSONS

CONTRACTOR: Atlantic Testing
OPERATOR: Bob, Mike
OVERSIGHT: E. Larson

NOTES:

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **EW-3**
LOCATION: Rochester, NY	GRADE ELEV.: ft asl	START DATE: 11/16/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 11/17/2023
EASTING, NORTHING (ft): ft, ft	DATUM:	PAGE 1 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	dry, dark brown and black, coarse to fine SAND and Silt, little coarse to fine subangular Gravel, fill present, bottom concrete fragments, glass; transitions to little Silt @ 2.5 FT BGS [SM]		HC	1	--	--	100	0		2'10" Stick uop Outer casing, 2'6" PVC stick-up.	0
										Grout to surface (0-2'10")	
5	dry, medium dense, grey and reddish brown coarse to fine SAND, little Silt, trace medium to fine angular Gravel, abundant brick fragments present [SM]		SS	2	10/6/5/4	--	70	0.2			5
	dry, medium stiff, medium brown SILT, and coarse to fine Sand, trace coarse to fine subangular Gravel [ML]									Bentonite Chips (2'10" - 6')	
	dry, medium dense, white medium to fine SAND, little Silt, trace medium to fine angular Gravel, ash, mostly ash [SM]		SS	3	3/4//	--	45	0.1			
	dry, medium dense, white, brown, black coarse to fine SAND, little Silt, trace medium to fine angular Gravel, ash, brick present [SM]		SS	3	15/12//	--	45	0.2		Top of 10-slot PVC well screen (8.0-28.0')	
	moist to wet, loose, tannish brown coarse to fine well sorted SAND, little Silt. [SM]		SS	4	8/6/	--	80	0.1			
10			SS	4	3/2/	--	80	0.3			10
	moist to wet, loose grey coarse to medium transition to medium to fine SAND and Silt, petroleum odor [SM]										
	wet, soft, grey SILT, little medium to fine Sand, medium plasticity, rapid dilatency. [ML]		SS	5	1/1//	--	75	0.2			
	wet, very loose, black medium to fine SAND, little Silt, strong odor [SM]		SS	5	2/3/	--	75	0.3			
			SS	6	3/11//	--	80	8.7			
	moist, stiff, black clayey SILT, some fine Sand, medium plasticity, medium dilatency, strong odor [ML]		SS	6	12/10//	--	80	10.3			
15	wet, very loose, black medium to fine SAND, little Silt, strong odor [SM]		SS	7	4/1//	--	90	7.1			15
			SS	7	2/6//	--	90	66			
	wet, very loose, black medium to fine SAND, little Silt, strong odor [SM]		SS	8	4/5//	--	75	43.9			
	moist to wet, medium dense, black medium to fine SAND, and Silt, strong odor [SM]		SS	8	8/11//	--	75	8.8			
20			SS	9	7/6//	--	80	8.3			20

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Mark Childs	EQUIPMENT: CME-75	
OVERSIGHT: J. Moffitt	METHOD: Hollow Stem Auger	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: ft asl	BOREHOLE NO: **EW-3**
LOCATION: Rochester, NY	GRADE ELEV.: ft asl	START DATE: 11/16/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 11/17/2023
EASTING, NORTHING (ft): ft, ft	DATUM:	PAGE 2 of 2

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
20	moist, medium stiff grey tan and black banding clayey SILT, little fine Sand, trace medium rounded Gravel [ML]		SS	9	10/18//	–	80	6.1			20
	moist, hard, grey tan and black banding clayey SILT, little medium to fine 'thinly' bedded with thick sections. [ML]		SS	10	17/16//	–	–	0.5			
			SS	10	20/25//	–	60	0.4			
	NO RECOVERY. COARSE GRAVEL BLOCKING NOSE []		SS	11	19/27//	–	60	0			
			SS	11	28/24//	–	0	0			
25	moist, hard, grey black tan silty CLAY, trace medium to fine Sand, very slow dilatancy, medium plasticity [ML]										25
	wet, very dense, grey and black staining coarse to fine SAND, some coarse to fine subrounded to subangular, little grey and tan clayey SILT, strong odor, black staining [SM]		SS	12	16/41/89/100	–	–	0.3			
	AUGER REFUSAL @ 29 FT BGS. WELL SIT @ 28 FT BGS []									Botton of hole.	
30											30
35											35
40											40

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: Mark Childs	EQUIPMENT: CME-75	
OVERSIGHT: J. Moffitt	METHOD: Hollow Stem Auger	BOREHOLE DIA.: n/a

APPENDIX D SOLID WASTE DISPOSAL BILL OF LADINGS

Site Address: Buntru Street
Rochester, NY 14608

BC PPW 12/1/2023

WORK ORDER NO: NY2400028540-002

DOCUMENT NO. 1414454 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # L26706 CT

EPA ID # MAD039322280 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER ATTN: Dennis Fiorello
Spring Grove Resource Recovery Inc.	Rochester Gas & Electric
FACILITY EPA ID # OHD000816629	SHIPPER EPA ID # NYD0[illegible]18542
ADDRESS 4879 Spring Grove Avenue	ADDRESS Attn: Jennie Fiorello 89 East Avenue
CITY Cincinnati STATE OH ZIP 45232	CITY Rochester STATE NY ZIP 14649

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
11 x 55	DM		A. NON DOT REGULATED MATERIAL (SOIL)	4700	P
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Rochester Gas & Electric
ALS 2263ROCOC 20C

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	Agent for Generator Kristen Brooks		02/05/24
TRANSPORTER 1	Mark Miller		02/05/24
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

2

CHI 107

Site Address: Sumner Street
Rochester, NY 14608

SC FPW 1/1/2024

WORK ORDER NO: Y2400238840.002

DOCUMENT NO. 1414464 **STRAIGHT BILL OF LADING**

TRANSPORTER 1 Clean Harbors Environmental Services, Inc. VEHICLE ID # 80615

EPA ID # MAD039322250 TRANS. 1 PHONE (781) 792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY	SHIPPER
Spring Grove Resource Recovery Inc.	Rochester Gas & Electric
FACILITY EPA ID # OHD000816629	SHIPPER EPA ID # NYD000816842
ADDRESS 4879 Spring Grove Avenue	ADDRESS Attn: Nanda Florello 89 East Avenue
CITY Cincinnati STATE OH ZIP 45232	CITY Rochester STATE NY ZIP 14649

CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
5 x 55	DM		A. NON DOT REGULATED MATERIAL, (SOIL)	3,000 EST	P
5 55	DM		B. NON DOT REGULATED MATERIAL, (PPE, DEBRIS)	1,000 EST	P
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS EMERGENCY PHONE #: (800) 483-3718 GENERATOR: Rochester Gas & Electric
AB32363ROC035CC B.Chisholm12

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

	PRINT	SIGN	DATE
SHIPPER	[illegible]	[signature]	1/12/24
TRANSPORTER 1	WILLIAM RYAN	William Ryan	2/6/2024
TRANSPORTER 2			
RECEIVED BY			

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

CHI 107

APPENDIX E SEDIMENT LOGS

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-001**
LOCATION: Rochester, NY	GRADE ELEV.: 388.219 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1404687.141 ft, 1156390.665 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey fine SAND and SILT, no odor [SM]		C		--	--	100	0.1		Sampled 0"-6" and 13"-19"	0
	Wet grey fine SAND, no odor [SP]										
	Wet dark grey fine SAND and SILT, slight petrol odor [SM]										
2											2

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: T. Gavin	EQUIPMENT: DPT	
OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-002**
LOCATION: Rochester, NY	GRADE ELEV.: 388.21 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404681.223 ft, 1156318.306 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey fine SAND and SILT, no odor [SM]		OS	5	--	--	100	0.1		Sampled 0"-6"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing	
	DRILLER: T. Gavin	EQUIPMENT: Ponar
	OVERSIGHT: J. Bixler	METHOD: Grab — BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-003**
LOCATION: Rochester, NY	GRADE ELEV.: 388.537 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404635.117 ft, 1156214.965 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet soft black SAND and SILT, no odor [SM]		OS	7	--	--	100	0		Sampled 0-8"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing	
	DRILLER: T. Gavin	EQUIPMENT: Ponar
	OVERSIGHT: J. Bixler	METHOD: Grab / BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-004**
LOCATION: Rochester, NY	GRADE ELEV.: 388.562 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404682.209 ft, 1156210.742 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet black soft SAND and SILT, no odor [SM]		OS	4	--	--	--	0		Sampled 0"-6"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing	
	DRILLER: T. Gavin	EQUIPMENT: Ponar
	OVERSIGHT: J. Bixler	METHOD: Grab / BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-005**
LOCATION: Rochester, NY	GRADE ELEV.: 388.473 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1404639.541 ft, 1156273.875 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet brown fine to coarse SAND, some fine to coarse subround gravel, no odor [SW]									Sampled 10'-16'	0
	Wet brown fine to coarse SAND, little fine to medium gravel, little silt, no odor [SW]		C	1	--	--	70	0			
2											2

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: DPT	
	OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-006**
LOCATION: Rochester, NY	GRADE ELEV.: 388.244 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1404702.147 ft, 1156279.635 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown fine SAND some silt, organic odor [SM]									Sampled 17'-23'	0
			C	1	--	--	100	0.1			
	Wet brown/black fine to coarse SAND and SILT, some fine to medium gravel, organic odor [SM]										
2											2

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: DPT	
	OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-007**
LOCATION: Rochester, NY	GRADE ELEV.: 388.282 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404622.275 ft, 1156147.733 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet black soft SAND and SILT, no odor [SM]		OS	11	--	--	--	0		Sampled 0'-2'	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing	
	DRILLER: T. Gavin	EQUIPMENT: Ponar
	OVERSIGHT: J. Bixler	METHOD: Grab / BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-008**
LOCATION: Rochester, NY	GRADE ELEV.: 388.352 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1404666.57 ft, 1156137.191 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown semi-stiff SILT and fine to coarse SAND, little fine to medium gravel, petroleum odor [ML]									Sampled 16"-22"	0
	Wet grey/brown dense fine to coarse SAND, some silt, little fine to medium gravel, petroleum odor [SM]		C	1	--	--	100	0			
2											2

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: DPT	
	OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-009**
LOCATION: Rochester, NY	GRADE ELEV.: 388.336 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404624.292 ft, 1156077.626 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet black soft SAND and SILT, no odor [SM]		OS	11	--	--	100	0		Sampled 0'-6"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing	
	DRILLER: T. Gavin	EQUIPMENT: Ponar
	OVERSIGHT: J. Bixler	METHOD: Grab / BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-010**
LOCATION: Rochester, NY	GRADE ELEV.: 388.348 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404640.502 ft, 1155900.979 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet loose grey fine to coarse SAND and fine to coarse GRAVEL, some silt, no odor [SW]		OS	6	--	--	100	0		Sampled 0'-8'	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing	
	DRILLER: T. Gavin	EQUIPMENT: Ponar
	OVERSIGHT: J. Bixler	METHOD: Grab / BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-012**
LOCATION: Rochester, NY	GRADE ELEV.: 388.332 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404709.285 ft, 1155662.991 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown loose fine to coarse SAND and fine to coarse subround GRAVEL, some silt, no odor [SW]		OS	10	--	--	100	0		Sampled 0'-2'	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: Ponar	
	OVERSIGHT: J. Bixler	METHOD: Grab	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-013**
LOCATION: Rochester, NY	GRADE ELEV.: 388.369 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404872.537 ft, 1155463.062 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet loose SILT and coarse subround GRAVEL, slight sheen, organic odor [GM]		OS	10	--	--	100	0		Sampled 0"-3"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing	
	DRILLER: T. Gavin	EQUIPMENT: Ponar
	OVERSIGHT: J. Bixler	METHOD: Grab / BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-014**
LOCATION: Rochester, NY	GRADE ELEV.: 388.519 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1405017.435 ft, 1155352.578 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet soft brown SILT, little fine sand, little fine to coarse subround gravel, no odor [ML]									Sampled 60-66' and 66-72'	0
	Wet soft dark grey brown soft SILT, some fine sand, little fine to medium subround gravel, petroleum and mothball odor [ML]			1	--	--	40	10.6			
	Wet black m. soft SILT and ORGANICS, little fine to medium gravel, petroleum coating. strong petroleum odor [OL]										
5											5
6											6

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: T. Gavin	EQUIPMENT: DPT	
OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-015**
LOCATION: Rochester, NY	GRADE ELEV.: 387.959 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1405056.909 ft, 1155301.845 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet dark grey soft SILT, some fine sand, no odor [ML]		OS	5	--	--	100	0		Sampled 0"-1"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: Ponar	
	OVERSIGHT: J. Bixler	METHOD: Grab	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-017**
LOCATION: Rochester, NY	GRADE ELEV.: 388.293 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1405077.025 ft, 1155225.662 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown soft SAND, little silt, little zebra mussels, trace fine to medium gravel, no odor [SM]		OS	8	--	--	100	0		Sampled 0"-1"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: Ponar	
	OVERSIGHT: J. Bixler	METHOD: Grab	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-018**
LOCATION: Rochester, NY	GRADE ELEV.: 388.856 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1405158.02 ft, 1155225.701 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown dense fine to coarse SAND and fine to medium subround GRAVEL, some silt, no odor [SW]		C	1	--	--	100	54.7		Sampled 10'-16'	0
	Wet black very dense fine to coarse SAND and fine to coarse GRAVEL, some silt, strong petroleum odor [SW]										
2											2

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: T. Gavin	EQUIPMENT: DPT	
OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-019**
LOCATION: Rochester, NY	GRADE ELEV.: 388.183 ft asl	START DATE: 10/25/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/25/2023
EASTING, NORTHING (ft): 1405159.671 ft, 1155164.285 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet soft grey/brown SILT, some fine sand, some fine to coarse subround gravel, little organics, no odor [ML]		OS	10	--	--	100	0		Sampled 0'-2'	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: Ponar	
	OVERSIGHT: J. Bixler	METHOD: Grab	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-020**
LOCATION: Rochester, NY	GRADE ELEV.: 388.469 ft asl	START DATE: 10/23/2024
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1405191.299 ft, 1155192.195 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown stiff SAND and SILT, little fine to medium gravel, no odor [SM]									Sampled 0"-6" and 10"-16"	0
	Wet grey/brown dense fine to coarse SAND, some silt, little fine to medium subround gravel, no odor [SM]		C	1	--	--	100	3.7			
	Wet black dense fine to coarse SAND and fine to medium subround GRAVEL some silt, petroleum odor [SW]										
2											2

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: DPT	
	OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-021**
LOCATION: Rochester, NY	GRADE ELEV.: 388.541 ft asl	START DATE: 10/25/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/25/2023
EASTING, NORTHING (ft): 1405214.064 ft, 1155119.135 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet soft grey/brown SILT, little fine sand, trace organic material, no odor [ML]		CS	5	--	--	100	0		Sampled 0"-4"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing	
	DRILLER: T. Gavin	EQUIPMENT: Ponar
	OVERSIGHT: J. Bixler	METHOD: Grab / BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-022**
LOCATION: Rochester, NY	GRADE ELEV.: 388.085 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1405232.879 ft, 1155131.378 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey medium dense fine SAND, little silt. trace fine subround gravel, no odor [SM]		C	1	--	--	60	0			0
	Wet brown dense fine to coarse SAND and fine to medium GRAVEL, no odor [GW]		C	1	--	--	90	0			
	Wet grey/brown dense fine SAND, little silt, no odor [SP]										
5	Wet dark grey medium dense SAND and SILT, some fine to medium subround gravel, petroleum saturated, black staining, strong petroleum odor [SM]		C	1	--	--	100	19.7			5
6											6

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: T. Gavin	EQUIPMENT: DPT	
OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-023**
LOCATION: Rochester, NY	GRADE ELEV.: 388.152 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1405285.277 ft, 1155056.208 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet dense brown SILT and fine SAND, slight petroleum odor [SM]		C	1	--	–	50	0		Sampled 18-24"	0
2											2

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: DPT	
	OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-024**
LOCATION: Rochester, NY	GRADE ELEV.: 387.132 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1405265.181 ft, 1155037.362 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown SILT and ORGANIC MUCK, little fine to medium subround gravel, organic sheen, no odor [OL]		OS	5	--	--	100	0		Sampled 0"-5"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: Ponar	
	OVERSIGHT: J. Bixler	METHOD: Grab	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-025**
LOCATION: Rochester, NY	GRADE ELEV.: 388.232 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404680.178 ft, 1155749.408 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown loose fine to coarse SAND and fine to coarse subround GRAVEL, some silt, no odor [SW]		OS	8	--	--	100	0		Sampled 0'-2'	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: Ponar	
	OVERSIGHT: J. Bixler	METHOD: Grab	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-026**
LOCATION: Rochester, NY	GRADE ELEV.: 388.015 ft asl	START DATE: 10/24/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/24/2023
EASTING, NORTHING (ft): 1404914.396 ft, 1155424.799 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet dark grey loose fine to coarse GRAVEL and SILT, no odor [GM]		OS	5	--	--	100	0		Sampled 0"-3"	0
1											1

PARSONS	CONTRACTOR: Atlantic Testing		
	DRILLER: T. Gavin	EQUIPMENT: Ponar	
	OVERSIGHT: J. Bixler	METHOD: Grab	BOREHOLE DIA.: n/a

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-027**
LOCATION: Rochester, NY	GRADE ELEV.: 388.062 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1405108.982 ft, 1155264.764 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet grey/brown fine SAND and SILT, little fine to coarse subround gravel, no odor [SM]		C	1	--	--	80	1.6		Sampled 12'-18'	0
	Wet black fine SAND and SILT, little fine to medium subround gravel, petroleum odor [SM]										
2											2

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: T. Gavin	EQUIPMENT: DPT	
OVERSIGHT: J. Bixler	METHOD: Grab	BOREHOLE DIA.: 2 in

BOREHOLE LOG

PROJECT: East Station	TOC ELEV.: 0 ft asl	SEDIMENT NO: **PDI-SED-028**
LOCATION: Rochester, NY	GRADE ELEV.: 388.047 ft asl	START DATE: 10/23/2023
CLIENT: RG&E	OBS. DTW: NM	COMPLETION DATE: 10/23/2023
EASTING, NORTHING (ft): 1404682.441 ft, 1156517.271 ft	DATUM:	PAGE 1 of 1

Depth (ft)	STRATIGRAPHIC DESCRIPTION	MATERIAL TYPE	SAMPLE TYPE	RUN NUMBER	BLOW COUNTS	RQD	RECOVERY %	PID (ppm)	WELL CONSTRUCTION	COMMENTS AND MONITORING WELL NOTES	Depth (ft)
0	Wet black loose SILT, some fine sand, trace fine subround gravel, no odor [ML]		C	1	--	--	60	0.1		Sampled 14"-20"	0
	Wet black loose SILT, some fine sand, trace fine subround gravel, petroleum odor [ML]										
2											2

PARSONS

CONTRACTOR: Atlantic Testing		
DRILLER: T. Gavin	EQUIPMENT: DPT	
OVERSIGHT: J. Bixler	METHOD: Macrocore	BOREHOLE DIA.: 2 in

APPENDIX F GROUNDWATER DEVELOPMENT AND SAMPLING LOGS

WELL DEVELOPMENT LOG

Date	9/27/23	Field Personnel	E. Larson	Weather	70 deg sunny
Site Name	East Station	Contractor/Driller		Well #	DW-3R
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/27/23

Well information:

Depth to bottom (initial)	29.01 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	ft.		Well Diameter:	2	in.
Depth to water (initial)	14.8 ft.		Casing volume:	2.31	gal.
Depth to water (final)	ft.		Pump setting intake:	28	ft.

Start development time:	9/27/23
End development time:	1330
Total time:	1430

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	16.3	7.26	4.409	12.17		14.81	Sheen
1	13.9	7.36	1.956	213.5		14.80	Black
3	13.5	7.20	1.938	278.51		14.79	Black

Development water characteristics: 3 gallons

Total volume of water removed: Slightly Cloudy

Physical appearance at start: NAPL

Color Slightly Cloudy

Odor NAPL

Sheen/Free Product Free Product and Sheen

Physical appearance at stop:

Color Black

Odor NAPL

Sheen/Free Product sheen of free product

Notes Considerable color and oresence of NAPL.

Purged very contaminated water until dry.

WELL DEVELOPMENT LOG

Date	11/10/23	Field Personnel	GM, EL, JB	Weather	Mostly Cloudy 42 ° F
Site Name	East Station	Contractor/Driller	N/A	Well #	DW-05
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	Existing

Well information:

Depth to bottom (initial)	59.08	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	59.08	ft.	Well Diameter:	2	in.
Depth to water (initial)	34.73	ft.	Casing volume:	0.16	gal.
Depth to water (final)	35.90	ft.	Pump setting intake:	~57.5	ft.

Start development time:	0910
End development time:	1045
Total time:	95 min

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	0.5	11.7	6.88	9.900	4215	0.10	34.75	Brown
15	1.00	10	7.32	9.937	2491	0.05	34.8	Brown
25	1.50	12.8	7.20	9.701	1893.00	0.05	35.9	Brown
35	2.00	12.3	7.26	9.612	855.00	0.05	35.6	Brown
45	2.75	12.1	7.41	9.506	245.00	0.075	35.85	Light Brown
55	3.50	12.2	7.53	9.453	111.00	0.075	35.72	Light Brown
65	4.50	12.4	7.49	9.480	75.96	0.10	35.70	Slightly Cloudy
75	5.50	12.4	7.50	9.478	46.80	0.10	35.85	Slightly Cloudy
86	6.50	12.5	7.53	9.487	39.12	0.10	35.85	Clear
95	7.50	12.3	7.59	9.490	25.65	0.10	35.88	Clear

rameters are stable

Development water characteristics:

Total volume of water removed: ~7.50

Physical appearance at start:		Physical appearance at stop:	
Color	Brown (rust colored)	Color	Clear
Odor	NAPL	Odor	NAPL
Sheen/Free Product	None	Sheen/Free Product	None

Notes Water column: 23.45 ft; 1 well volume: 3.97 gal; 10 well volumes: 39.7 gal

Start PID: 0.0 ppm

Footvalve got caught on screen (top and bottom)

WELL DEVELOPMENT LOG

Date	9/21/23	Field Personnel	M.F. / E.L.	Weather	Sunny 70 deg F
Site Name	East Station	Contractor/Driller		Well #	DW-10-01R
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	92.87	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	92.90	ft.	Well Diameter:	2	in.
Depth to water (initial)	47.45	ft.	Casing volume:	0.16	gal.
Depth to water (final)	47.86	ft.	Pump setting intake:	90.5	ft.

Start development time: 850
End development time: 1135
Total time: 2 hr 45 min

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0850	0	12.2	6.28	29.603	2.10		47.441	Clear
0905	2	12.6	6.99	56.130	41.35		47.443	Slightly Cloudy
0920	4	12.9	7.12	56.375	182.06		47.443	Cloudy
0935	6	13.0	7.15	55.568	106.85		47.455	Cloudy
0950	10	13.0	7.29	40.720	19.19		47.510	Slightly Cloudy
1005	12	14.3	7.27	41.416	20.98		47.489	Clear
1020	14	14.3	7.25	43.388	475.90		47.499	Slightly Cloudy
1035	15	14.4	7.27	43.515	62.23		47.499	Slightly Cloudy
1050	16	14.8	7.28	41.450	35.72		47.457	Slightly Cloudy
1105	17	15.4	7.29	39.665	39.45		47.499	Slightly Cloudy
1120	18	16.1	7.32	39.030	40.21		47.495	Clear
1135	19	15.2	7.36	37.301	35.72		47.445	Clear

Development water characteristics:

Total volume of water removed: 19 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Clear	Color	Clear
Odor	Slight Odor	Odor	Slight Odor
Sheen/Free Product	None	Sheen/Free Product	None

Notes

WELL DEVELOPMENT LOG

Date	9/20/23	Field Personnel	M.F. / E.L. / Z.C.	Weather	Sunny 70 deg F
Site Name	East Station	Contractor/Driller		Well #	DW-10-026
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/20/23

Well information:

Depth to bottom (initial)	142.61	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	142.78	ft.	Well Diameter:	2	in.
Depth to water (initial)	17.45	ft.	Casing volume:	20.00	gal.
Depth to water (final)	17.47	ft.	Pump setting intake:	140.5	ft.

Start development time: 210
End development time: 410
Total time:

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0210	0	18.6	8.36	110.869	6.25	0.27	17.501	Cloudy w/sheen
0225	8	15.8	6.44	110.659	100.8	0.27	17.510	Cloudy w/sheen
0240	12	14.4	6.30	113.522	130.5	0.27	17.498	Clear w/sheen
0255	16	14.6	6.22	112.471	243.31	0.27	14.472	Cloudy w/sheen
0310	20	14.1	6.21	113.570	75.58	0.27	17.479	Clear w/sheen
0325	24	14.0	6.22	113.672	11.20	0.27	17.451	Clear w/sheen
0340	28	14.1	6.22	113.247	46.90	0.27	17.461	Clear w/sheen
0355	32	14.0	6.23	114.040	22.25	0.27	17.460	Clear w/sheen
0410	36	14.0	6.22	114.012	8.42	0.27		

Development water characteristics:

Total volume of water removed: 36 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Cloudy	Color	Cloudy
Odor	NAPL	Odor	Slight Odor
Sheen/Free Product	Sheen	Sheen/Free Product	Sheen

Notes Has an odor and sheen.

WELL DEVELOPMENT LOG

Date	11/13/23	Field Personnel	Mike H	Weather	Partly Cloudy 50 ° F
Site Name	East Station	Contractor/Driller	N/A	Well #	DW-10-03M
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	88.40 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	ft.		Well Diameter:	2	in.
Depth to water (initial)	7.9 ft.		Casing volume:	2.0	gal.
Depth to water (final)	ft.		Pump setting intake:	89	ft.

Start development time: 1400
End development time:
Total time:

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	0	13	7.87	28.350	2968	0.25	7.9	Brown
15	3	12.8	7.25	15.550	93.4	0.25	0.6	Cloudy
30	6	13	7.14	17.370	155.20	0.25	12.2	Cloudy
45	9	12.9	7.06	18.62	70.62	0.25	15.2	Cloudy
60	12	12.6	7.35	19.66	59.62	0.25	16.8	Cloudy
75	15	12.4	7.17	20.98	52.13	0.25	17.05	Cloudy
90	18	12.8	7.12	19.90	51.06	0.25	18.2	Cloudy
105	21	12.6	7.16	20.96	50.14	0.25	18.0	Cloudy
120	24	12.4	7.17	15.58	48.66	0.25	18.0	Cloudy

Development water characteristics:

Total volume of water removed: 24.0

Physical appearance at start:		Physical appearance at stop:	
Color	Brown	Color	Sluight Cloudy
Odor	Organic	Odor	Organic
Sheen/Free Product	None	Sheen/Free Product	None

Notes

WELL DEVELOPMENT LOG

Date	10/4/23	Field Personnel	M.F.	Weather	65 Deg F, Sunny
Site Name	East Station	Contractor/Driller		Well #	DW-10-03R
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	10/4/23

Well information:

Depth to bottom (initial)	68.30	68.35	Measurements taken from:	TOIC		
Depth to bottom (final)	68.35	9.05	Well Diameter:	2	in.	
Depth to water (initial)	9.05	9.08	Casing volume:	9.65	gal.	28
Depth to water (final)	9.08 ft.		Pump setting intake:	66.8	ft.	

Start development time: 8:25
End development time: 9:25
Total time:

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	14.3	7.03	11.559	555.30		9.10	Cloudy
6	15.4	6.82	13.459	121.9		9.11	Cloudy
12	15.1	6.91	13.001	30.81		9.11	Clear
18	15.9	6.92	12.625	15.68		9.115	Clear
22	15.6	6.90	12.305	11.70		9.08	Clear

Development water characteristics:

Total volume of water removed: 22.00

Physical appearance at start:		Physical appearance at stop:	
Color	Cloudy	Color	Cloudy
Odor	NAPL	Odor	NAPL
Sheen/Free Product	None	Sheen/Free Product	None

Notes

WELL DEVELOPMENT LOG

Date	11/14/23	Field Personnel	Mike H	Weather	Cloudy 43 ° F
Site Name	East Station	Contractor/Driller	N/A	Well #	DW-10-4M
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	Existing

Well information:

Depth to bottom (initial)	>100	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	71.00	ft.	Well Diameter:	2	in.
Depth to water (initial)	19.8	ft.	Casing volume:		gal.
Depth to water (final)	19.90	ft.	Pump setting intake:	>100	ft.

Start development time:
End development time: 0815
Total time:

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	0	11.2	7.65	14.480	10.11	0.5	31.6	Clear
15	5	11.7	7.65	14.100	38.22	0.5	51.0	Clear
30	20	11.9	7.64	16.740	25.40	0.5	79.8	Clear
	14	11.9	7.49	23.61	55.76	0.5	64.5	Cloudy BK
1234	16	12.7	7.82	21.63	76.25	0.5	78.5	Cloudy BK
1244	21	13.3	7.44	15.67	19.55	0.5	85.15	Cloudy Gray
1254	26					<0.50	101.1	Cloudy Gray
0815		9.6	7.59	18.66	79.60	<0.50	20.88	Cloudy Gray
0835		11.3	7.29	29.75	127.28	<0.50	69.1	Cloudy Gray
0835		11.6	7.36	30.36	45.56	<0.50	76.9	Cloudy Gray
0845		11.7	7.41	29.71	69.02	<0.50	88.5	Cloudy Gray

Development water characteristics:

Total volume of water removed: 14+

Physical appearance at start:		Physical appearance at stop:	
Color	Cloudy	Color	Gray
Odor	Chemical	Odor	VOC
Sheen/Free Product	None	Sheen/Free Product	None

Notes Purged dry 0855 Day 2 @ 1250
Recovered and started pumping at 12.08

WELL DEVELOPMENT LOG

Date	9/27/23	Field Personnel	M.F.	Weather	50 deg F, partyl cloudy
Site Name	East Station	Contractor/Driller		Well #	DW-10-06G
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/27/23

Well information:

Depth to bottom (initial)	163.82	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	163.80	ft.	Well Diameter:	2	in.
Depth to water (initial)	51.30	ft.	Casing volume:		gal.
Depth to water (final)	51.35	ft.	Pump setting intake:		ft.

Start development time: 1000
End development time: 1100
Total time:

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	13.2	8.42	159.963	3.54		51.51	Clear
4	12.7	6.47	168.071	65.44		51.48	Clear
7	13.0	5.89	168.871	22.93		51.49	Clear
11	13.1	5.71	170.527	32.95		51.49	Clear
13	13.2	5.72	170.499	22.79		51.35	Clear

Development water characteristics:

Total volume of water removed: 13

Physical appearance at start:		Physical appearance at stop:	
Color	Clear	Color	Clear
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Notes

WELL DEVELOPMENT LOG

Date	11/9/23	Field Personnel	GM/JB/EL	Weather	47 degrees F, cloudy
Site Name	East Station	Contractor/Driller		Well #	DW-10-08R
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	113.55 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	113.55 ft.		Well Diameter:	2	in.
Depth to water (initial)	37 ft.		Casing volume:	0.163	gal.
Depth to water (final)	50.00 ft.		Pump setting intake:	111	ft.

Start development time:	1420
End development time:	1555
Total time:	95 min

Time (mins.)	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	0.25	11.9	7.91	17.543	2.54	0.05	39.70	clear
15	1	11.9	7.51	23.452	160	0.075	39.95	cloudy
25	2.5	12.0	7.44	22.934	22.57	0.15	44.26	cloudy
35	3.5	11.8	7.46	22.362	12.6	0.1	45.30	cloudy
45	4	11.8	7.44	21.979	47.01	0.05	46.50	cloudy
55	4.5	11.7	7.44	21.632	86.05	0.05	47.46	cloudy
65	5	11.8	7.50	21.326	68.41	0.05	48.07	cloudy
75	5.5	11.7	7.51	21.326	34.16	0.05	48.70	clear/cloudy
85	6	11.7	7.55	20.965	24.4	0.05	49.29	clear/cloudy
95	6.5	11.6	7.58	20.778	21.21	0.05	49.90	clear/cloudy

Development water characteristics:

Total volume of water removed: 7.0 gal

Physical appearance at start:		Physical appearance at stop:	
Color	cloudy/gray	Color	clear/cloudy
Odor	slight NAPL	Odor	Slight 'NAPL
Sheen/Free Product	none	Sheen/Free Product	none

Notes

Water column =76.55'

1 well volume = 12.5 gal

10 well volume = 125 gal

PID= 0.0 ppm

WELL DEVELOPMENT LOG

Date	9/26/23	Field Personnel	M.F.	Weather	Sunny 60's deg F
Site Name	East Station	Contractor/Driller		Well #	DW-10-09M
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	140.50	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	140.51	ft.	Well Diameter:	2	in.
Depth to water (initial)	107.63	ft.	Casing volume:	5.36	gal.
Depth to water (final)	107.63	ft.	Pump setting intake:	139	ft.

Start development time: 1200
End development time: 1425
Total time: 1 hour

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	14	6.47	138.750	670.45		107.75	Brown
4	13.8	7.57	105.516	56.51		107.69	Slightly Cloudy
10	1..8	7.63	108.280	36.80		107.70	Slightly Cloudy
11	2.10	6.65	108.326	24.72		107.71	Clear
15	15.4	7.12	117.699	31.50		107.63	Slightly Cloudy

Development water characteristics:

Total volume of water removed: 15 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Brown	Color	Slightly Cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Notes Recovered well at 1230
Resumed at 1410

WELL DEVELOPMENT LOG

Date	11/6/23	Field Personnel	GM/JB/EL	Weather	52 degrees F, drizzle/rain
Site Name	East Station	Contractor/Driller		Well #	DW-12-01M
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	86.81 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	86.81 ft.		Well Diameter:	2	in.
Depth to water (initial)	10.58 ft.		Casing volume:	0.69	gal.
Depth to water (final)	12.75 ft.		Pump setting intake:	85	ft.

Start development time: 0935
End development time: 0955
Total time:

Time (mins.)	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	0.5	13.2	7.82	1.419	16.07		12.36	flosying black specs
15	1.5	13.1	7.19	4.505	35.46		11.90	cloudy
25	2.0	13.1	7.25	4.540	47.76		11.68	cloudy
35	3.5	12.9	7.25	4.146	95.43		13.13	cloudy
45	5.0	13.0	7.18	4.098	48.83		13.24	clear
55	6.5	12.8	7.17	4.025	9.01		13.31	clear
65	8.0	12.9	7.17	4.088	38.54		13.36	clear
75	9.5	12.8	7.17	3.954	35.75		13.38	clear

Development water characteristics:

Total volume of water removed: 10

Physical appearance at start:		Physical appearance at stop:	
Color	clear with black specs	Color	Cloudy
Odor	NAPL	Odor	NAPL
Sheen/Free Product	light sheen	Sheen/Free Product	slight sheen

Notes

water column: 76.23'; 1 well volume: 12.44 gal; 10 well volumes : 124.4 gals
smells of NAPL
Recharging fast
Start PID: 0.0 ppm

WELL DEVELOPMENT LOG

Date	11/6/23	Field Personnel	GM/JB/EL	Weather	50 degrees F, drizzle/rain
Site Name	East Station	Contractor/Driller		Well #	DW-12-01M
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	69.70 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	69.70 ft.		Well Diameter:	2	in.
Depth to water (initial)	10.7 ft.		Casing volume:	0.69	gal.
Depth to water (final)	10.70 ft.		Pump setting intake:	68	ft.

Start development time: 1250
End development time: 1350
Total time:

Time (mins.)	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	3	12.8	7.02	5.686	42.47		11.85	Gray
15	6	12.8	7.14	4.601	48.67		11.41	gray
25	6.5	12.7	7.15	4.489	56.9		11.34	cloudy
35	9	12.7	7.17	4.493	43.38		11.34	cloudy
45	10.5	12.8	7.18	4.467	41.31		11.37	cloudy
55	12	12.8	7.13	4.468	40.69		11.38	cloudy

Development water characteristics:

Total volume of water removed: 12.50

Physical appearance at start:		Physical appearance at stop:	
Color	gray	Color	Cloudy
Odor	tar	Odor	tar
Sheen/Free Product	sheen	Sheen/Free Product	slight sheen

Notes

Water column: 59'; 1 well volume: 9.63 gal; 10 well volumes: 96.3 gal
Recharged fast

WELL DEVELOPMENT LOG

Date	11/7/23	Field Personnel	GM/JB/EL	Weather	54 degrees F, Windy
Site Name	East Station	Contractor/Driller		Well #	DW-12-02M
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	106.70 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	106.70 ft.		Well Diameter:	2	in.
Depth to water (initial)	31.86 ft.		Casing volume:	0.16	gal.
Depth to water (final)	55.75 ft.		Pump setting intake:	105	ft.

Start development time:	1120
End development time:	1205
Total time:	45 min

Time (mins.)	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	0.25	13	10.98	6.002	4.64	0.05	31.89	clear
15	1	12.8	10.18	11.298	165	0.005	37.22	clear
25	2	12.8	9.77	10.794	17.65	0.05	43.10	clear
35	3	12.6	9.73	10.550	11.78	0.15	48.08	clear
45	3.25	12.5	9.87	10.460	6.82	0.05	54.72	clear

Development water characteristics:

Total volume of water removed: 3.25

Physical appearance at start:		Physical appearance at stop:	
Color	brown	Color	Clear
Odor	NAPL	Odor	NAPL
Sheen/Free Product	n clumps of grass	Sheen/Free Product	slight sheen

Notes

Water column =74.84'

1 well volume = 12.21 gal

10 well volume = 122.1 gal

PID= 0.0 ppm

Poor recharge

WELL DEVELOPMENT LOG

Date	9/19/23	Field Personnel	E.L. / M.F. / Z.C.	Weather	Sunny 70's
Site Name	East Station	Contractor/Driller		Well #	DW-12-06G
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/19/23

Well information:

Depth to bottom (initial)	72.39	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	72.41	ft.	Well Diameter:	2	in.
Depth to water (initial)	16.51	ft.	Casing volume:	9.11	gal.
Depth to water (final)	16.59	ft.	Pump setting intake:	70.89	ft.

Start development time: 1500
End development time: 1645
Total time:

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
1500	0	17.00	8.45	3.280	7.65	0.67	15.539	Clear with Some Organics
1515	6	14.70	7.29	3.340	100.50	0.67	15.595	Clear
1530	12	14.60	7.24	3.347	155.10	0.67	16.250	Clear
1545	18	14.00	7.22	3.340	13.13	0.67	16.641	Clear
1600	24	13.90	7.20	3.341	98.30	0.67	16.631	Clear
1615	30	14.0	7.22	3.333	115.71	0.67	16.631	Clear
1630	36	13.9	7.22	3.329	27.10	0.67	16.600	Clear
1645	42	13.9	7.24	3.320	160.25	0.67	16.542	Clear

Development water characteristics:

Total volume of water removed: 42 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Clear	Color	Clear
Odor	Bio	Odor	Slight Bio
Sheen/Free Product	None	Sheen/Free Product	None

Notes Slight odor naphthalene - no free product

WELL DEVELOPMENT LOG

Date	9/26/23	Field Personnel	M.F.	Weather	56 deg, partly cloudy
Site Name	East Station	Contractor/Driller		Well #	DW-12-07I
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/26/23

Well information:

Depth to bottom (initial)	68.90	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	68.89	ft.	Well Diameter:	2	in.
Depth to water (initial)	27.81	ft.	Casing volume:	6.69	gal.
Depth to water (final)	27.83	ft.	Pump setting intake:	67.4	ft.

Start development time:	0900
End development time:	1000
Total time:	1 hr

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	13.1	6.32	4.118	5.99		27.511	Cloudy
3	12.9	6.4	4.507	145.44		27.645	Slightly Cloudy
6	12.8	6.37	4.926	19.02		27.644	Slightly Cloudy
9	12.8	6.30	4.98	4.850		27.780	Slightly Cloudy
12	12.8	6.32	5.00	2.870		27.830	

Development water characteristics:

Total volume of water removed: 12 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Clear	Color	Clear
Odor	Slight Odor	Odor	Odor
Sheen/Free Product	None	Sheen/Free Product	None

Notes Sulphur odor

WELL DEVELOPMENT LOG

Date	9/28/23	Field Personnel	M.F.	Weather	65 Deg F, Sunny
Site Name	Easet Station	Contractor/Driller		Well #	DW-12-08R
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/28/23

Well information:

Depth to bottom (initial)	102.25 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	ft.		Well Diameter:	2	in.
Depth to water (initial)	23.05 ft.		Casing volume:	12.90	gal.
Depth to water (final)	ft.		Pump setting intake:	100.75	ft.

Start development time:	9/28/23
End development time:	0945
Total time:	1115

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
Start	0	1301	7.56	0.695	4.23		23.1	Clean
1	3	12.6	7.34	3.433	198.4		23.11	Cloudy
2	6	12.4	7.39	3.552	82.10		23.11	Cloudy
3	9	12.3	8.00	3.667	58.62		23.14	Slight
4	12	12.3	8.23	3.667	44.38		23.14	Slight
5	15	12.6	8.34	2.025	48.20		23.14	Clear
6	17	12.6	8.44	1.994	38.20		23.14	Clear

Development water characteristics:

Total volume of water removed: 17 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Cleare	Color	Clear
Odor	Slight Odor	Odor	Mothball Odor
Sheen/Free Product	None	Sheen/Free Product	None

Notes Minor free product
NAPL odor

WELL DEVELOPMENT LOG

Date	11/14/23	Field Personnel	E.Z.	Weather	
Site Name	East Station	Contractor/Driller	ATL	Well #	DW-12-08-R
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	Existing

Well information:

Depth to bottom (initial)	102.10	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	102.90	ft.	Well Diameter:	2	in.
Depth to water (initial)	22.3	ft.	Casing volume:	13.0074	gal.
Depth to water (final)	26.80	ft.	Pump setting intake:	100.00	ft.

Start development time: 1324
End development time: 1536
Total time: 132 minutes

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
1326	1.25	12.2	7.56	4.45	738.6	0.625	22.1	Cloudy bk
1336		11.7	7.54	6.420	7.7.7	0.625	26.99	Cloudy bk
1346						1.32	26.99	Murky
1356		16.5	7.64	5.82	357.6	1.32	26.6	Cloudy blk
1406		11.0	7.52	3.79	256.58	1.32	26.77	Gray murky
1416		11.5	7.49	3.78	201.33	1.32	27.0	Gray murky
1426		11.6	7.54	3.75	164.68	1.32	27.15	Cloudy Gray
1436		11.6	7.49	3.76	120.43	1.32	26.9	Cloudy Gray
1446		11.6	7.49	3.76	100.25	1.32	27.15	Cloudy Gray
1516		10.6	7.49	3.22	72.51	1.32	27.15	Cloudy Gray
1526		10.9	7.52	3.72	64.26	1.32	26.3	Cloudy Gray
1536	132	10.8	7.48	3.67	68.25	1.32	26.80	Cloudy Gray

Development water characteristics:

Total volume of water removed: 132 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Gray	Color	Gray
Odor	VOC, oil	Odor	VOC, oil
Sheen/Free Product	rainbow gray	Sheen/Free Product	rainbow gray

Notes

WELL DEVELOPMENT LOG

Date	9/20/23	Field Personnel	M.F. / E.L.	Weather	Sunny 60's deg F
Site Name	East Station	Contractor/Driller		Well #	DW-12-09M
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	104.19	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	104.2	ft.	Well Diameter:	2	in.
Depth to water (initial)	45.52	ft.	Casing volume:	12.90	gal.
Depth to water (final)	24.55	ft.	Pump setting intake:	102.69	ft.

Start development time: 0955
End development time: 1055
Total time: 1 hour

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0955	0	14.1	7.20	856	13.5		25.312	Clear
1010	4	14.3	6.79	2633	78.5		25.403	Clear
1025	8	14.4	7.10	4750	50.3		25.412	Clear
1040	12	14.1	7.05	4805	61.47		25.520	Clear
1055	16	13.9	6.99	4723	26.49		25.513	Clear

Development water characteristics:

Total volume of water removed: 16 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Clear	Color	Clear
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Notes

WELL DEVELOPMENT LOG

Date	9/19/23	Field Personnel	M.F. / E.L. / Z.C.	Weather	Sunny 70 deg F
Site Name	East Station	Contractor/Driller		Well #	SW-10-02
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	24.40 ft.	Measurements taken from:	TOIC		
Depth to bottom (final)	24.37 ft.	Well Diameter:	2	in.	
Depth to water (initial)	10.81 ft.	Casing volume:	2.22	gal.	
Depth to water (final)	10.78 ft.	Pump setting intake:	23	ft.	

Start development time: 1300
End development time: 1345
Total time: 45 minutes

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
1300	0	18.5	7.53	3.201	62.14	1.0	10.729	Gray with black organics
1315	2	17.6	7.58	3.163	19.35	0.07	10.83	Cloudy Gray
1330	3	18.7	7.55	3.164	10.12	0.07	10.83	Clear
1345	5	18.9	7.74	3.230	2.45	0.07	10.84	Clear

Development water characteristics:

Total volume of water removed: 5 gallons

Physical appearance at start:		Physical appearance at stop:	
Color	Grayish	Color	Clear
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Notes No NAPL detected

WELL DEVELOPMENT LOG

Date	9/25/23	Field Personnel	E. Larson	Weather	70 deg sunny
Site Name	East Station	Contractor/Driller		Well #	SW-10-07
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/25/23

Well information:

Depth to bottom (initial)	24.68	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	24.68	ft.	Well Diameter:	2	in.
Depth to water (initial)	12.84	ft.	Casing volume:	1.93	gal.
Depth to water (final)	12.91	ft.	Pump setting intake:	23	ft.

Start development time:	11:00
End development time:	11:30
Total time:	0.5 hour

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	18.7	6.94	2.059	25.80	0.2	12.89	Cloudy
3	17.4	6.91	2.054	2.45	0.2	12.93	Clear
6	16.7	6.93	1.645	1.10	0.2	12.95	Clear

Development water characteristics:

Total volume of water removed:

Physical appearance at start:		Physical appearance at stop:	
Color		Color	
Odor		Odor	
Sheen/Free Product		Sheen/Free Product	

Notes

WELL DEVELOPMENT LOG

Date	9/25/23	Field Personnel	M.F. / E.L.	Weather	70 deg F Sunny
Site Name	East Station	Contractor/Driller		Well #	SW-10-08
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/25/23

Well information:

Depth to bottom (initial)	20.61	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	20.61	ft.	Well Diameter:	2	in.
Depth to water (initial)	13.61	ft.	Casing volume:	1.141	gal.
Depth to water (final)	14.13	ft.	Pump setting intake:	19	ft.

Start development time:	1200
End development time:	1245
Total time:	45 min

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	19.8	6.79	1.750	32.30		13.86	Clear
2	16.5	6.99	2.233	32.30		14.1	Slightly Cloudy
4.5	15.7	6.96	2.130	18.21		14.13	Slightly Cloudy
7	15.5	6.98	2.313	18.25		14.18	Clear

Development water characteristics:

Total volume of water removed:

Physical appearance at start:		Physical appearance at stop:	
Color		Color	
Odor		Odor	
Sheen/Free Product		Sheen/Free Product	

Notes

WELL DEVELOPMENT LOG

Date	10/2/23	Field Personnel	M.F.	Weather	
Site Name	East Station	Contractor/Driller		Well #	SW-10-12
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	10/2/23

Well information:

Depth to bottom (initial)	31.50 ft.	Measurements taken from:	TOIC		
Depth to bottom (final)	11.50 ft.	Well Diameter:	2	in.	
Depth to water (initial)	11.35 ft.	Casing volume:	0.68	gal.	
Depth to water (final)	17.40 ft.	Pump setting intake:	20	ft.	

Start development time: 12:55
End development time: 1:50
Total time:

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	18.6	7.60	1.226	105.64		17.40	Black
3	14.9	7.56	2.365	40.80		17.38	Cloudy
6	14.2	7.33	2.290	63.89		17.38	Black
10	14.1	7.32	2.323	61.97		17.39	Black
13	14.2	7.26	1.183	63.99		17.40	Black

Development water characteristics:

Total volume of water removed: 13.00

Physical appearance at start:		Physical appearance at stop:	
Color	Black	Color	Black
Odor	NAPL	Odor	NAPL
Sheen/Free Product	Slight	Sheen/Free Product	None

Notes Strong NAPL smell. Water is black but not viscus.

WELL DEVELOPMENT LOG

Date	9/28/23	Field Personnel	M.F.	Weather	55 Deg Sunny
Site Name	East Station	Contractor/Driller		Well #	SW-10-15
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	26.30 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	26.29 ft.		Well Diameter:	2	in.
Depth to water (initial)	20.5 ft.		Casing volume:	1.04	gal.
Depth to water (final)	20.50 ft.		Pump setting intake:	24.8	ft.

Start development time:	9/28/23
End development time:	1135
Total time:	1255

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	14.3	8.19	2.385	25.59		21.0	Cloudy
1	13.4	8.19	2.421	42.95		21.0	Cloudy
3	14.5	8.43	1.416	47.69		21.09	Cloudy
4	14.5	8.68	1.435	46.50		21.10	Black

Development water characteristics:

Total volume of water removed: 4

Physical appearance at start:		Physical appearance at stop:	
Color	Cloudy	Color	Black
Odor	Slight Bio	Odor	Present
Sheen/Free Product	None	Sheen/Free Product	None

Notes Stopped @ 1205

Resumed @1255

WELL DEVELOPMENT LOG

Date	11/8/23	Field Personnel	GM/JB/EL	Weather	33 degrees F, Mostly cloudy
Site Name	East Station	Contractor/Driller		Well #	SW-12-01
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	23.04 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	23.04 ft.		Well Diameter:	2	in.
Depth to water (initial)	11.25 ft.		Casing volume:	0.16	gal.
Depth to water (final)	11.35 ft.		Pump setting intake:	22	ft.

Start development time:	0800
End development time:	0915
Total time:	75 min

Time (mins.)	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	.25	10.2	7.06	4.249	1605	0.05	11.3	brown
15	1	11.7	7.09	3.900	465	0.075	11.32	light brown
25	2.25	12.1	7.17	3.656	271	0.125	11.34	light brown
35	3	12.3	7.20	3.582	189	0.075	11.34	light brown
45	3.5	12.4	7.20	3.537	136		11.34	cloudy
55	4.5	12.4	7.23	3.508	114		11.35	cloudy
65	5.5	12.6	7.24	3.488	123		11.35	cloudy
75	7	12.4	7.22	3.478	131		11.3	cloudy
85	7.5	11.1	7.36	3.490	171		11.25	cloudy
95	8	11.0	7.29	3.496	228		11.27	cloudy
105	8.5	10.6	7.30	3.506	291		11.25	cloudy
115	9	10.9	7.26	3.503	355		11.26	cloudy
125	9.5	11.8	7.24	3.521	383		11.27	light brown
135	10	12.4	7.20	3.498	270		11.28	light brown
145	10.5	12.3	7.23	3.501	233		11.33	light brown
155	11.5	12.8	7.24	3.492	195		11.32	light brown
165	12.5	12.9	7.22	3.498	168		11.33	light brown
175	14	13.0	7.25	3.504	159		11.34	light brown
185	15.75	13.0	7.23	3.481	218		11.39	light brown
195	17.5	13.4	7.19	3.511	268		11.39	light brown
205	19.25	13.0	7.24	3.541	297		11.36	light brown
215	21	13.4	7.23	3.512	265		11.34	light brown

Development water characteristics:

Total volume of water removed: 21.00

Physical appearance at start:		Physical appearance at stop:	
Color	Brown	Color	light brown
Odor	NAPL	Odor	NAPL
Sheen/Free Product	None	Sheen/Free Product	None

Notes

Water Column = 11.79'

1 well volume = 1.92 gal

10 Well volumnes = 19.2 gal

Well recharged fast

WELL DEVELOPMENT LOG

Date	11/9/23	Field Personnel	GM/JB/EL	Weather	47 degrees F, Mostly cloudy
Site Name	East Station	Contractor/Driller		Well #	SW-12-04
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	15.59 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	15.59 ft.		Well Diameter:	2	in.
Depth to water (initial)	5.15 ft.		Casing volume:	0.16	gal.
Depth to water (final)	7.10 ft.		Pump setting intake:	14	ft.

Start development time:	0800
End development time:	0915
Total time:	75 min

Time (mins.)	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	0.25	14.6	7.15	4.945	44.18		5.96	black
15	1	15.0	7.08	3.723	25.28		6.35	cloudy
25	2	15.0	7.16	4.791	22.3		6.67	cloudy
35	3	15.3	7.24	5.561	14.98		6.82	cloudy
45	3.5	15.2	7.29	6.077	11.85		6.9	clear
55	4	15.3	7.33	6.401	9.55		7	clear
65	4.5	15.1	7.36	6.598	10.71		7.17	clear
75	5.5	15.1	7.41	6.757	8.92		7.22	clear

Development water characteristics:

Total volume of water removed: 5.50

Physical appearance at start:		Physical appearance at stop:	
Color	Cloudy	Color	Clear
Odor	NAPL	Odor	NAPL
Sheen/Free Product	None	Sheen/Free Product	None

Notes

Water Column: 10.44'; 1 well Volume: 1.70 gal; 10 well volumes: 17.0 gal

PID: 0.0 ppm

strong odor with floating black specs initially.

WELL DEVELOPMENT LOG

Date	11/9/23	Field Personnel	GM/JB/EL	Weather	47 degrees F, Mostly cloudy
Site Name	East Station	Contractor/Driller		Well #	SW-12-04
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	15.59 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	15.59 ft.		Well Diameter:	2	in.
Depth to water (initial)	5.15 ft.		Casing volume:	0.16	gal.
Depth to water (final)	7.10 ft.		Pump setting intake:	14	ft.

Start development time:	0800
End development time:	0915
Total time:	75 min

Time (mins.)	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	0.25	15.4	7.06	3.357	328.81	0.05	10.93	brown
15	1	15.3	7.1	3.139	45.59	0.075	12.20	cloudy
25	2	14.6	7.20	3.119	36.05	0.1	12.10	cloudy
35	3	14.3	7.16	3.098	21.62	0.1	12.09	cloudy

Development water characteristics:

Total volume of water removed: 3.25

Physical appearance at start:		Physical appearance at stop:	
Color	brown	Color	Clear
Odor	NAPL	Odor	NAPL
Sheen/Free Product	n clumps of grass	Sheen/Free Product	slight sheen

Notes

Water column = 9.35'

1 well volume = 1.53 gal

10 well volume = 15.3 gal

PID= 0.0 ppm

WELL DEVELOPMENT LOG

Date	9/28/23	Field Personnel	M.F.	Weather	65 Deg Sunny
Site Name	East Station	Contractor/Driller		Well #	SW-12-20
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	73.50 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	73.51 ft.		Well Diameter:	2	in.
Depth to water (initial)	19.15 ft.		Casing volume:	8.86	gal.
Depth to water (final)	19.20 ft.		Pump setting intake:	72	ft.

Start development time:	9/28/23
End development time:	840
Total time:	940

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	12.6	7.52	0.758	0.08		19.16	Clear
4	12.4	7.37	1.610	29.10		19.25	Slightly Cloudy
6	12.2	7.46	0.745	20.71		19.28	Slightly Cloudy
10	11.9	7.56	2.673	22.09		19.27	Slightly Cloudy
14	12.2	7.45	1.609	12.80		19.20	

Development water characteristics:

Total volume of water removed: 14

Physical appearance at start:		Physical appearance at stop:	
Color	Clear	Color	Slightly Cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Notes

WELL DEVELOPMENT LOG

Date	9/25/23	Field Personnel	M/F. / E.L.	Weather	60 deg F Cloudy
Site Name	East Station	Contractor/Driller		Well #	SW-12-21
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/25/23

Well information:

Depth to bottom (initial)	30.25 ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	30.25 ft.	Well Diameter:	2	in.
Depth to water (initial)	18.9 ft.	Casing volume:	1.85	gal.
Depth to water (final)	19.40 ft.	Pump setting intake:	29.25	ft.

Start development time:	3:50
End development time:	4:50
Total time:	1 hour

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	16.6	7.29	2.368	74.8	74.8	19.88	Clear
.5	15.7	7.28	2.350	74.04	74.04	19.97	Cloudy
5.5	14.7	7.22	2.359	13.3	13.3	20.00	Clear
7	14.4	7.22	2.353	22.02	22.02	19.99	Clear
9	14.0	7.18	2.370	15.12	15.12	19.98	Clear

Development water characteristics:

Total volume of water removed: 9.00

Physical appearance at start:		Physical appearance at stop:	
Color	Clear	Color	Clear
Odor	Slight Odor	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Notes

WELL DEVELOPMENT LOG

Date	10/3/23	Field Personnel	M.F.	Weather	65 deg F, Sunny
Site Name	East Station	Contractor/Driller		Well #	MW-2R
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	10/3/23

Well information:

Depth to bottom (initial)	17.00 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	17.01 ft.		Well Diameter:	2	in.
Depth to water (initial)	11.7 ft.		Casing volume:	0.86	gal.
Depth to water (final)	ft.		Pump setting intake:	15.5	ft.

Start development time: 0835
End development time: 1010 (10.4/23)
Total time:

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	14.7	10.44	6.273	0.80		11.71	Yellow
3	13.8	10.63	6.273	1.20		11.50	Yellow
3	18.4	10.50	5.970	3.96		14.30	Yellow
4	19.2	10.39	6.155	200.47		16.50	Yellow

Development water characteristics:

Total volume of water removed: 4

Physical appearance at start:		Physical appearance at stop:	
Color	Yellow	Color	Yellow
Odor	Sloght Bio?	Odor	Sloght Bio?
Sheen/Free Product	None	Sheen/Free Product	None

Notes

Smell is hrad to describe. Not really NAPL.
Stopped 2 0900, non-dry (10/3/23)
Resumed @0955 on 10/4/23
Well ran dry at 1010

WELL DEVELOPMENT LOG

Date	11/14/23	Field Personnel	E.Z., Mike H	Weather	
Site Name	East Station	Contractor/Driller	N/A	Well #	MW-03DR
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	Existing

Well information:

Depth to bottom (initial)	34.50	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)	35.25	ft.	Well Diameter:	2	in.
Depth to water (initial)	9.80	ft.	Casing volume:	4.17	gal.
Depth to water (final)	25.1	ft.	Pump setting intake:	33.00	ft.

Start development time: 0955
End development time: 1123
Total time: 88 minutes

Time	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
1004	6.5	10.5	7.58	0.078	3.45	0.80	23.00	Clear
1013	13.00	10.9	6.95	4.498	32.5	0.80	17.00	Clear
1030	25.0	11.0	6.99	12.40	30.77	0.80	23.00	Clear
1042	28.0	11.0	6.94	4.60	28.50	0.80	23.00	Clear
1057	40	11.7	6.94	4.733	72.01	0.80	23.00	Clear
1111	60	11.8	6.95	4.607	46.73	0.80	25.52	Clear
1123	62.4	11.3	6.91	4.755	15.35	0.80	25.00	Clear

Development water characteristics:

Total volume of water removed: 62.4

Physical appearance at start:
Color Black
Odor VOC Oil
Sheen/Free Product

Physical appearance at stop:
Color Clear
Odor VOC Oil
Sheen/Free Product Some blobs of sheen

Notes

WELL DEVELOPMENT LOG

Date	11/9/23	Field Personnel	GM/JB/EL	Weather	50 degrees F, Windy
Site Name	East Station	Contractor/Driller		Well #	MW-06D
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	

Well information:

Depth to bottom (initial)	44.06 ft.		Measurements taken from:	TOIC	
Depth to bottom (final)	44.06 ft.		Well Diameter:	2	in.
Depth to water (initial)	16.27 ft.		Casing volume:	0.163	gal.
Depth to water (final)	17.75 ft.		Pump setting intake:	42	ft.

Start development time:	1120
End development time:	1155
Total time:	35 min

Time (mins.)	Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
5	0.25	12.3	6.68	6.843	6.31	0.05	17.8	clear with black specs
15	2.5	12.2	6.83	6.856	5.10	0.225	18.90	clear with black specs
25	3	11.8	6.96	6.878	3.85	0.05	17.87	clear with black specs
35	3.5	11.6	6.90	6.895	3.20	0.05	17.75	clear with black specs

Development water characteristics:

Total volume of water removed: 3.50

Physical appearance at start:		Physical appearance at stop:	
Color	clear with black specs	Color	clear with black specs
Odor	NAPL	Odor	NAPL
Sheen/Free Product	slight sheen	Sheen/Free Product	slight sheen

Notes

Water column = 27.79'

1 well volume = 4.53 gal

10 well volume = 45.3 gal

PID= 0.0 ppm

WELL DEVELOPMENT LOG

Date	9/29/23	Field Personnel	M.F.	Weather	60 degrees F, sunny
Site Name	East Station	Contractor/Driller		Well #	MW-8DR
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/27/23

Well information:

Depth to bottom (initial)	36.80	ft.	Measurements taken from:	TOIC	
Depth to bottom (final)		ft.	Well Diameter:	2	in.
Depth to water (initial)	17.9	ft.	Casing volume:	3.10	gal.
Depth to water (final)		ft.	Pump setting intake:	35.3	ft.

Start development time: 0935
End development time: 0955
Total time:

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	13.8	8.17	2.903	11.32		17.95	Clear
4	12.0	7.47	2.968	475.31		17.94	Cloudy

Development water characteristics:

Total volume of water removed: 10

Physical appearance at start:		Physical appearance at stop:	
Color	Clear	Color	Cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Notes

Pumped dry 3 times.

WELL DEVELOPMENT LOG

Date	9/27/23	Field Personnel	M.F.	Weather	55 Deg F, partly cloudy
Site Name	East Station	Contractor/Driller		Well #	MW-7
Site Location	Rochester, NY	Evacuation Method	Waterra	Date Installed:	9/27/23

Well information:

Depth to bottom (initial)	28.93 ft.	Measurements taken from:	TOIC		
Depth to bottom (final)	28.93 ft.	Well Diameter:	2	in.	
Depth to water (initial)	18.35 ft.	Casing volume:	1.72	gal.	
Depth to water (final)	18.45 ft.	Pump setting intake:	27.43	ft.	

Start development time: 0850
End development time: 0950
Total time:

Cumulative Volume Water Removed (Gal)	Temp (celsius)	pH (s.u)	Conductivity (ms/cm)	Turbidity (NTU)	Approximate Flow Rate (GPM)	Depth to Water (feet)	Appearance of Water
0	13.5	6.36	6.663	297.30		18.39	Slightly Cloudy
2	13.0	6.59	3.196	102.02		18.41	Slightly Cloudy
6	12.6	6.50	4.150	8.03		18.52	Clear
8	12.7	6.59	4.375	2.26		18.52	Clear
10	12.8	6.58	4.526	0.45		18.45	Clear

Development water characteristics:

Total volume of water removed: 10

Physical appearance at start:
- Color: Slightly Cloudy
- Odor: None
- Sheen/Free Product: None

Physical appearance at stop:
- Color: Clear
- Odor: None
- Sheen/Free Product: None

Notes

Low Flow Ground Water Sampling Log

Date	12/19/23	Personnel	DRD/AC/MF	Weather	Snow 20's
Site Name	RRG ES	Evacuation Method	Bladder	Well #	DW-10-01R
Site Location		Sampling Method	Bladder	Project #	

Well information:

Depth of Well	42.8 ft.	*Measurements taken from:	
Depth to Water	30.28 ft.	✓	Top of Well Casing
H_{wc}	12.52 ft.		Top of Protective Casing
Depth to Intake	ft.		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1000								60
1005								
1010		5.35	7.64	51.9	26	11.20	250	60
1015	30.10	6.76	7.67	65.8	-51	6.81	559	60
1020		7.92	7.06	66.9	-61	1.92	575	60
1025	30.95	7.91	7.66	67.0	-61	1.80	534	60
1030		8.09	7.65	66.6	-64	1.70	318	60
1035		8.18	7.64	66.3	-67	2.05	180	60
1040		8.15	7.64	66.3	-67	1.99	179	60

End Purge Time:

Water Sample

Time Collected: 1045

Total volume of purged water removed: 0.5 (gallons)

Physical appearance at start:

Color Clear to light Gray

Odor No

Sheen/Free Product

Physical appearance at start:

Color Clear

Odor No

Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/20/23	Personnel	DRD/AG	Weather	Overcast, 30's
Site Name	RGE ES	Evacuation Method	Bladder	Well #	DW-10-06G
Site Location	East Sutru Road	Sampling Method	Bladder	Project #	

Well information:

Depth of Well	163.3 ft.	*Measurements taken from:		
Depth to Water	50.55 ft.		✓	Top of Well Casing
H_{wc}	112.75 ft.			Top of Protective Casing
Depth to Intake	ft.	PID HS - 12.0 ppm		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1450								60
1455		5.95	7.74	>100	127	6.34	38.4	60
1500		4.75	7.67	>100	-163	3.30	57.9	60
1505	50.65	4.69	7.66	>100	-167	3.12	54.4	60
1510		4.57	7.63	>100	-184	3.05	41.5	60
1515	50.95	4.47	7.62	>100	-188	3.09	45.7	60
1520		4.35	7.61	>100	-180	3.11	48.9	60
1525	51.00	4.33	7.61	>100	-175	3.09	44.3	60

End Purge Time:

Water Sample VOAs + PFAs only due to darkness

Time Collected: 12/20/23 Total volume of purged water removed: 0.5 (gallons)

Physical appearance at start: Physical appearance at start:

Color Light Gray Color Light Gray

Odor Slight Odor Odor Slight Odor

Sheen/Free Product No Sheen/Free Product No

Samples: (See list of parameters collected below)

Collected the remainder of samples at 0830 on 12/21/2

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/19/23	Personnel	AVC	Weather	Snow 20's
Site Name	East Station	Evacuation Method	Low Flow	Well #	DW-12-07I
Site Location		Sampling Method		Project #	

Well information:

Depth of Well	69.65 ft.	*Measurements taken from:	
Depth to Water	28.24 ft.	✓	Top of Well Casing
H_{wc}	41.41 ft.		Top of Protective Casing
Depth to Intake	64.65 ft.		(Other, Specify)

Start Purge Time: 1150

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	28.24	4.41	6.04	4.94	-58	36.8	15.9	200
5	29.21	7.28	6.08	4.69	-112	2.45	41.1	175
10	29.53	8.31	6.07	4.70	-149	1.36	7.4	150
15	29.53	8.13	5.99	5.56	-189	1.62	7.8	150
20	29.70	8.17	5.97	6.14	-256	0.86	0.0	150
25	29.80	8.27	5.97	6.34	-274	0.79	0.0	150
30	29.80	8.23	5.97	6.65	-293	0.76	0.0	150
35	29.85	8.56	5.97	6.60	-329	0.70	0.0	150
40	29.85	8.31	5.97	6.65	-331	0.62	0.0	150
45	29.90	8.36	5.97	6.60	-329	0.70	0.0	150

End Purge Time: 1250

Water Sample

Time Collected: 1300

Total volume of purged water removed: 6 (gallons)

Physical appearance at start:
Color Clear
Odor Yes - tar like
Sheen/Free Product None

Physical appearance at start:
Color Clear
Odor Tar-like
Sheen/Free Product None

Samples: (See list of parameters collected below)

1.8 ppm upon opening

DW-12-071 @ 1300

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/20/23	Personnel	DRD/AG	Weather	Overcast, 30's
Site Name	RGE ES	Evacuation Method	Peri.	Well #	DW-12-07R
Site Location	East Sutru Road	Sampling Method	Peri.	Project #	

Well information:

Depth of Well	91		
Depth to Water	36.15 ft.	*Measurements taken from:	
H_{wc}	54.85 ft.	✓	Top of Well Casing
Depth to Intake	86 ft.		Top of Protective Casing
			(Other, Specify)

Start Purge Time: 1055 first water

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	36.15	3.63	5.94	6.00	-14	4.59	0.0	75
5	37.34	6.15	6.06	35.9	-35	2.71	13.1	75
10	37.34	8.13	6.23	68.8	-120	0.79	24.0	75
15	37.40	7.56	6.22	67.9	-123	0.70	10.8	75
20	37.46	7.85	6.20	63.9	-124	0.63	5.3	75
25	37.40	7.80	6.17	42.1	-125	0.62	9.7	75
30	37.46	7.86	6.16	41.2	-126	0.60	11.4	75
35	37.46	7.80	6.14	40.2	-126	0.57	5.5	75
40	37.46	7.78	6.12	59.8	-126	0.57	1.4	75
45	37.46	7.79	6.11	54.3	-126	0.55	1.3	75
50	37.46	7.88	6.10	59.1	-127	0.55	0.6	75
55	37.46	7.88	6.10	59.0	-127	0.56	0.6	75
60	37.46	8.03	6.08	55.8	-127	0.54	0.6	75

End Purge Time: 1205

Water Sample

Time Collected: 1215

Total volume of purged water removed: 1.5 (gallons)

Physical appearance at start:	
Color	Clear
Odor	Yes
Sheen/Free Product	None

Physical appearance at start:	
Color	Clear
Odor	Yes
Sheen/Free Product	None

Samples: (See list of parameters collected below) 0.2 ppm upon opening

PDI ON-DW-12-07R - 122023 - 12110

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/21/23	Personnel	AVC	Weather	
Site Name	East Station	Evacuation Method	Low Flow	Well #	DW-10-08R
Site Location	Suntru St	Sampling Method	Bladder Pump	Project #	

Well information:

Depth of Well	118.7 ft.	*Measurements taken from:	
Depth to Water	37 ft.	✓	Top of Well Casing
H_{wc}	81.7 ft.		Top of Protective Casing
Depth to Intake	93 ft.		(Other, Specify)

Start Purge Time: 0930

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	37	7.75	5.86	21.4	-56	4.56	6.6	200
10	37	9.26	5.87	20.8	-57	1.29	24.5	200
15	37	9.83	5.57	20.7	-99	1.44	19.3	200
35	37	10.63	5.88	20.4	-117	1.69	121.3	200
35	37.5	10.13	5.88	20.4	-133	0.87	6.5	200
40	37.5	10.24	5.88	20.4	-149	0.77	0.0	200
45	37.5	10.18	5.88	20.9	-159	0.73	0.0	200
50	37.5	10.77	5.89	20.9	-177	0.59	0.0	200

End Purge Time: 1020

Water Sample

Time Collected: 1030

Total volume of purged water removed: 5 (gallons)

Physical appearance at start:

Color Clear
Odor Yes
Sheen/Free Product Slight

Physical appearance at start:

Color Clear
Odor Yes - Slight
Sheen/Free Product Slight

Samples: (See list of parameters collected below)

PDI-ON-DW-10-08R

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/21/23	Personnel	AVC/MF/DRD	Weather	Ovecast 30's
Site Name	East Station	Evacuation Method	Bladder Pump	Well #	DW-10-3R
Site Location	Suntru St	Sampling Method	Bladder Pump	Project #	

Well information:

Depth of Well	68.1 ft.	*Measurements taken from:		
Depth to Water	8.82 ft.		✓	Top of Well Casing
H_{wc}	59.28 ft.			Top of Protective Casing
Depth to Intake	67 ft.	PID HS - 58.8 ppm		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1025								100
1030	8.82	4.88	7.21	16.5	-189	26.04	701	120
1035		5.77	7.25	15.9	-227	21.92	615	
1040	8.83	6.84	7.23	15.0	-248	11.16	425	120
1045		7.34	7.23	14.5	-250	13.65	310	
1050	8.85	7.69	7.22	15.2	-266	16.98	218	218
1055		7.94	7.22	14.3	-269	18.88	191	
1100		7.93	7.22	14.6	-273	23.25	133	
1105		7.91	7.22	14.7	-274	22.92	130	

End Purge Time:

Water Sample

Time Collected: 1110

Total volume of purged water removed: 1.0 (gallons)

Physical appearance at start:
Color Light Gray
Odor Coal Tar
Sheen/Free Product Yes

Physical appearance at start:
Color Light Gray
Odor Coal Tar
Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/21/23	Personnel	AVC/MF/DRD	Weather	Ovecast 30's
Site Name	East Station	Evacuation Method	Low Flow	Well #	DW-10-3M
Site Location	Suntru St	Sampling Method	Bladder Pump	Project #	

Well information:

Depth of Well	84 ft.	*Measurements taken from:		
Depth to Water	8.9 ft.		✓	Top of Well Casing
H_{wc}	75.1 ft.			Top of Protective Casing
Depth to Intake	82 ft.	PID HS - 0.7 ppm		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1250								120
1255		8.56	7.32	38.2	-136	12.18	Not Working	120
1300	9.60	7.95	7.35	35.5	-135	18.39	603	120
1305		7.72	7.36	35.1	-142	17.02	358	
1310	9.50	8.13	7.37	39.9	-162	18.88	229	120
1315		7.75	7.41	25.2	-205	17.46	205	
1320		7.78	7.42	24.2	-216	14.78	166	120
1325		8.04	7.41	22.4	-244	15.84	97	
1330		8.28	7.41	21.8	-246	15.92	74.4	
1335		8.29	7.41	21.0	-248	15.92	66.5	120

End Purge Time:

Water Sample

Time Collected: 1340

Total volume of purged water removed: 2.0 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	Gray	Color	Light Gray
Odor	Coal Tar	Odor	Coal Tar
Sheen/Free Product	No	Sheen/Free Product	No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	01/09/24	Personnel	DRD/AC/JB	Weather	overcast, 30s
Site Name	Avan ES	Evacuation Method	Bladder	Well #	DW-12-02M
Site Location	B + L	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	106.60 ft.	*Measurements taken from:		
Depth to Water	31.60 ft.		X	Top of Well Casing
H_{wc}	75.00 ft.	No well cap		Top of Protective Casing
Depth to Intake	96.00 ft.	PID HS - 0.0 ppm		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
930								80
935		7.73	7.45	7.83	98	8.07	31.7	90
940		7.19	7.47	8.01	76	4.18	87.2	
945	31.0	6.76	7.48	8.00	51	2.39	72.6	90
950		6.25	7.48	7.93	37	1.85	54.6	90
955		5.72	7.47	7.90	32	1.56	48.0	
1000	31.0	5.51	7.48	7.83	27	1.41	39.4	90
1005		5.55	7.48	7.72	21	1.26	32.6	
1010		5.58	7.49	7.67	19	1.11	27.3	90
1015		5.60	7.46	7.66	18	1.10	25.6	
1020								

End Purge Time: 1015

Water Sample

Time Collected: 1020

Total volume of purged water removed: 1.5 (gallons)

Physical appearance at start:

Color Clear
Odor No
Sheen/Free Product No

Physical appearance at start:

Color Clear
Odor No
Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/21/23	Personnel	AVC/MF/DRD	Weather	
Site Name	East Station	Evacuation Method	Low Flow	Well #	DW-12-09M
Site Location	Suntru St	Sampling Method	Bladder Pump	Project #	

Well information:

Depth of Well	100 ft.	*Measurements taken from:	
Depth to Water	2.54 ft.	✓	Top of Well Casing
H_{wc}	97.46 ft.		Top of Protective Casing
Depth to Intake	ft.		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	28.54	10.30	5.72	2.89	-111	13.89	8.4	-
5	26.54	10.77	5.73	3.06	-136	1.88	4.1	200
10	26.54	11.05	5.75	3.27	-171	1.29	0.0	200
15	26.55	11.12	5.79	4.15	-180	0.95	0.0	200
20	26.55	11.23	5.79	4.22	-181	0.75	0.0	200
30	26.55	11.33	5.79	4.23	-129	0.65	0.0	200
35	26.55	11.45	5.79	4.33	-170	0.61	0.0	200
40	26.55	11.47	5.78	4.40	-107	0.58	0.0	200
45	26.55	11.54	5.79	4.46	-107	0.55	0.0	200

End Purge Time: 1355

Water Sample

Time Collected: 1400

Total volume of purged water removed: 5 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	None	Color	None
Odor	Slight	Odor	Slight
Sheen/Free Product	None	Sheen/Free Product	None

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/19/23	Personnel	DRD/AC/MF	Weather	Overcast 30's
Site Name	RGE ES	Evacuation Method	Bladder	Well #	12-06R
Site Location	East Station	Sampling Method	Bladder	Project #	

Well information:

Depth of Well _____ ft.
Depth to Water 16.2 ft.
H_{wc} -16.2 ft.
Depth to Intake _____ ft. 0.0 PID HS

*Measurements taken from:
☞ Top of Well Casing
Top of Protective Casing
(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1330								60
1340	16.32	6.79	7.39	3.81	-80	17.32	>1000	60
1345	16.38	5.93	7.35	3.72	-86	12.95	912	60
1350		5.46	7.31	3.46	-94	5.10	577	60
1355		5.40	7.30	3.36	-96	4.67	491	60
1400	16.35	5.51	7.32	3.24	-101	4.14	392	60
1405		5.58	7.31	3.22	-103	4.26	190	
1410	16.35	5.61	7.30	3.20	-105	4.28	196	60

End Purge Time:

Water Sample

Time Collected: 1410
Total volume of purged water removed: 0.5 (gallons)

Physical appearance at start:
Color Gray
Odor Coal Tar
Sheen/Free Product No

Physical appearance at start:
Color Gray
Odor Coal Tar
Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	1//10/24	Personnel	DRD/JB	Weather	Overcast 40s
Site Name	Avan ES	Evacuation Method		Well #	MW-6D
Site Location	Rochester	Sampling Method		Project #	

Well information:

Depth of Well	44.05 ft.	*Measurements taken from:		
Depth to Water	14.70 ft.		X	Top of Well Casing
H_{wc}	29.35 ft.			Top of Protective Casing
Depth to Intake	40.00 ft.	PID HS - 0.0 ppm		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
840								100
845	15.10	11.77	7.40	9.20	-35	4.79	0.0	100
850		11.75	7.42	9.26	-49	1.97	0.0	100
855		11.70	7.43	9.28	-56	1.50	0.0	
900		11.64	7.44	9.29	-60	1.07	0.0	
905		11.36	7.46	9.24	-67	0.78	0.0	
910	15.55	11.28	7.45	9.24	-67	0.71	0.0	100
915		11.26	7.45	9.14	-71	0.67	0.0	
920		11.26	7.44	9.13	-75	0.62	0.0	
925		11.06	7.44	9.12	-78	0.57	0.0	100
930	15.70	11.07	7.43	9.15	-81	0.53	0.0	
935		11.08	7.43	9.15	-82	0.52	0.0	

End Purge Time: 0935

Water Sample

Time Collected: 0940

Total volume of purged water removed: 2.5 (gallons)

Physical appearance at start:

Color Clear

Odor Slight Coal Tar

Sheen/Free Product No

Physical appearance at start:

Color Clear

Odor Slight

Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample # PDI-ONGW-MW-6D-011024

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	01/10/24	Personnel	JB	Weather	40s, light rain
Site Name	East Station	Evacuation Method	Peri Pump	Well #	MW-3DR
Site Location	Rochester, NY	Sampling Method	Low Flow	Project #	453550

Well information:

Depth of Well	35.46 ft.	*Measurements taken from:		
Depth to Water	10.42 ft.		X	Top of Well Casing
H_{wc}	25.04 ft.			Top of Protective Casing
Depth to Intake	30.40 ft.			(Other, Specify)

Start Purge Time: 0915

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	10.42	10.91	8.01	3.76	-158	0.97	20.2	275
5	10.49	10.89	8.01	3.74	-174	0.82	14.7	275
10	11.20	10.88	8.02	3.75	-100	0.63	6.7	275
20	10.52	10.75	8.03	3.75	-231	0.52	1.9	275
25	10.80	10.66	8.05	3.79	-260	0.44	0.0	275
30	10.71	10.60	8.07	3.83	-272	0.41	0.0	275
40	10.64	10.57	8.08	3.86	-283	0.38	0.0	275
45	10.59	10.30	8.08	3.88	-288	0.37	0.0	275
50	10.61	10.18	8.10	3.88	-290	0.37	0.0	275

End Purge Time: 1005

Water Sample

Time Collected: 1020

Total volume of purged water removed: ~4 (gallons)

Physical appearance at start:

Color Clear
Odor None
Sheen/Free Product None

Physical appearance at start:

Color Clear
Odor None
Sheen/Free Product None

Samples: (See list of parameters collected below)

PDI-ONGW-MW-3DR

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/20/23	Personnel	DRD/AG	Weather	Overcast, 30's
Site Name	RGE ES	Evacuation Method	Peri.	Well #	MW-7
Site Location	East Sutru Road	Sampling Method	Peri.	Project #	

Well information:

Depth of Well	29.95 ft.	*Measurements taken from:		
Depth to Water	18.85 ft.		✓	Top of Well Casing
H_{wc}	11.1 ft.			Top of Protective Casing
Depth to Intake	ft.	PID HS - 0.0 ppm		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1130								100
1135	19.55	9.50	7.53	3.25	2	18.54	84.2	100
1140	19.55	9.38	7.50	2.47	25	8.96	53.4	100
1145		9.22	7.49	2.21	37	4.89	40.1	100
1150		9.39	7.46	2.00	52	2.68	27.6	100
1155	19.55	9.58	7.45	1.95	60	2.68	28.5	100
1200		9.47	7.43	1.98	66	2.95	28.1	100
1205		9.54	7.40	1.99	70	2.18	27.3	
1210	19.55	9.59	7.39	2.00	71	3.01	26.5	100

End Purge Time:

Water Sample

Time Collected: 1210

Total volume of purged water removed: 1.5 (gallons)

Physical appearance at start:

Color Light Gray

Odor Slight Coal Tar

Sheen/Free Product No

Physical appearance at start:

Color Light Gray

Odor Slight Coal Tar

Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/18/23	Personnel	AVC	Weather	Overcast 40s
Site Name	RGE East Station	Evacuation Method	Low Flow	Well #	MW-8DR
Site Location	Sunutru St	Sampling Method	Peri	Project #	

Well information:

Depth of Well	38 ft.	*Measurements taken from:	
Depth to Water	18.98 ft.	✓	Top of Well Casing
H_{wc}	19.02 ft.		Top of Protective Casing
Depth to Intake	37 ft.	PID HS - 3.6 ppm	(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1355								120
1400	20.05	9.02	7.11	3.23	-108	18.34	275	120
1405	20.35	9.06	7.12	3.26	-120	5.25	259	60
1410								
1415	20.95	8.98	7.08	3.24	-112	3.05	220	60
1420	21.1	8.87	7.07	3.21	-103	4.31	199	60
1430								60
1435	21.3	8.65	7.05	3.17	-16	4.74	165	60
1440		8.64	7.06	3.17	-16	4.68	159	60
1445		8.64	7.09	3.17	-95			60

End Purge Time: 1445

Water Sample

Time Collected: 1445

Total volume of purged water removed: 1 (gallons)

Physical appearance at start:
Color Grey
Odor Slight Coal Tar
Sheen/Free Product No

Physical appearance at start:
Color Grey
Odor Slight Coal Tar
Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	11/15/23	Personnel	M.H. and E.Z.	Weather	Cloudy 51 °F
Site Name	East Station	Evacuation Method	Bladder	Well #	SW-10-02
Site Location	Rochester	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	24.33 ft.	*Measurements taken from:	
Depth to Water	12.12 ft.	✓	Top of Well Casing
H_{wc}	12.21 ft.		Top of Protective Casing
Depth to Intake	22.30 ft.		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
8	12.28	15.2	7.79	3.08	219.1	10.55	157	300
10	12.21	15.3	7.79	3.10	212.1	8.88	77.56	300
17	12.22	14.8	7.84	3.12	217.3	8.17	13.96	300
20	12.27	14.7	7.84	3.12	229.5	10.3	25.58	300
25	12.30	14.7	7.97	3.10	232.2	9.38	19.74	300
30	12.32	13.0	8.23	2.77	199.9	10.52	19.85	300
35	12.29	14.7	7.85	1.570	234.4	9.33	10.98	300
40	12.29	14.7	7.81	3.157	227.7	8.48	11.70	300
45	12.30	14.6	7.89	3.154	231.0	9.09	14.25	300
50	12.31	14.7	7.8	3.157	245.7	9.17	11.80	300
55	12.34	15.0	7.78	3.145	250.2	8.94	12.15	300
60	12.35	14.8	7.81	3.133	255.5	9.06	8.20	300
65	12.30	14.8	7.81	3.135	251.7	8.95	8.06	300

End Purge Time: 1500

Water Sample

Time Collected: 1430

Total volume of purged water removed: 7.915 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	Clear	Color	Clear
Odor	VOC	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	11/16/23	Personnel	E.Z and M.H.	Weather	Clear, Sunny
Site Name	East Station	Evacuation Method	Bladder	Well #	SW-10-07
	Rochester	Sampling Method	Low Flow	Project #	

Depth of Well	24.66 ft.	*Measurements taken from:	
	14.5 ft.	✓	Top of Well Casing
	10.16 ft.		Top of Protective Casing
Depth to Intake	22.60 ft.		(Other, Specify)

Start Purge Time: 1118

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
5	14.56	16.7	7.01	1.775	122.1	2.59	8.14	450
10	14.57	15.6	7.01	1.732	134.6	3.95	5.25	450
15	14.61	14.8	7.09	1.754	147.6	3.90	6.12	450
20	14.69	14.8	7.27	1.759	147.6	3.40	2.01	450
25	14.77	14.6	7.26	1.771	147.4	4.78	3.90	450
30	14.77	14.7	7.09	1.778	144.1	3.61	2.79	450
35	14.77	14.6	7.28	1.783	134.9	4.29	4.30	450
40	14.75	14.7	7.06	1.787	129.0	3.35	3.12	450
45	14.75	14.9	7.07	1.781	111.1	4.02	2.75	450
50	14.80	14.9	7.00	1.790	86.0	2.27	2.27	450
55	14.85	13.4	7.78	1.805	107.1	3.91	3.77	450
60	14.85	14.9	7.13	1.796	79.3	4.33	2.68	450
65	14.88	14.9	7.08	1.800	60.8	3.90	4.40	450
70	14.90	14.9	7.09	1.800	59.8	5.80	1.95	450

End Purge Time: 1300

Water Sample

Time Collected: 1240

Total volume of purged water removed: 11.75 (gallons)

Physical appearance at start:

Color Clear
Odor VOC
Sheen/Free Product Small blobs floating

Physical appearance at start:

Color Clear
Odor VOC
Sheen/Free Product None

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	11/16/23	Personnel	E.Z and M.H.	Weather	Partly Cloudy 58° F
Site Name	East Station	Evacuation Method	Bladder	Well #	SW-10-08
	Rochester	Sampling Method	Low Flow	Project #	

Depth of Well	20.6 ft.	*Measurements taken from:	
	13.75 ft.	✓	Top of Well Casing
	6.85 ft.		Top of Protective Casing
Depth to Intake	19.40 ft.		(Other, Specify)

Start Purge Time: 1118

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	14.10	16.8	7.17	1.882	-136.7	3.01	253.01	350
5	14.19	15.9	7.29	1.909	-149.2	3.39	230.42	350
10	14.14	15.0	7.27	1.941	-156.8	3.78	102.88	350
15	14.15	14.9	7.26	1.949	-163.3	3.08	91.61	350
20	14.15	14.5	7.25	1.955	-172.5	2.6	54.69	350
25	14.17	14.3	7.28	1.952	-163.8	3.74	44.52	350
30	14.20	14.3	7.28	1.954	-169.2	2.63	28.93	350
35	14.20	14.2	7.26	1.967	-166.3	2.92	22.28	350
40	14.20	14.2	7.26	1.963	-170.4	2.46	18.09	350
45	14.22	14.2	7.24	1.977	-177.8	2.45	14.56	350
50	14.25	14.2	7.25	1.973	-173.6	2.54	13.87	350
	14.25	14.2	7.26	1.980	-171.1	2.53	15.16	350

End Purge Time: 1455

Water Sample

Time Collected: 1430

Physical appearance at start:

Color Dark Gray

Odor

Sheen/Free Product None

Total volume of purged water removed: 8 (gallons)

Physical appearance at start:

Color Clear

Odor

Sheen/Free Product None

Samples: (See list of parameters collected below)

PDI-OFFGW-SW-10-08-11162B

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	01/10/24	Personnel	JB	Weather	40s, light rain
Site Name	East Station	Evacuation Method	Peri Pump	Well #	SW-10-12
Site Location	Rochester, NY	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	21.42 ft.	*Measurements taken from:		
Depth to Water	12.40 ft.		X	Top of Well Casing
H_{wc}	9.02 ft.			Top of Protective Casing
Depth to Intake	ft.	PID: 3.0 ppm		(Other, Specify)

Start Purge Time: 1200

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	12.42	10.28	8.01	3.17	-310	11.71	86.9	400
5	12.96	10.47	8.01	3.14	-321	3.84	48.5	400
10	12.95	10.70	8.00	3.08	-333	0.66	19.1	400
15	12.93	10.83	8.01	2.94	-341	0.47	7.8	400
20	12.81	10.77	8.02	2.80	-344	0.45	2.7	400
30	12.87	10.71	8.05	2.71	-350	0.50	1.8	400
35	12.84	10.61	8.07	2.54	-353	0.50	5.0	400
50	12.87	10.53	8.08	2.53	-354	0.51	8.6	400
55	12.88	10.66	8.08	2.44	-360	0.50	19.4	400
65	12.88	10.06	8.07	2.47	-389	0.57	15.8	300
70	12.87	9.96	8.08	2.50	-347	0.58	19.3	300
75	12.86	9.88	8.08	2.49	-373	0.59	27.9	300
80	12.87	9.82	8.07	2.50	-391	0.60	21.8	300
85	12.88	9.80	8.07	2.38	-392	0.56	28.4	300
90	12.89	9.91	8.05	2.41	-396	0.58	27.3	300
95	12.86	10.05	8.05	2.41	-398	0.58	24.2	300
100	12.86	9.90	8.08	2.40	-401	0.58	30.2	300

End Purge Time:

Water Sample

Time Collected: 1340

Total volume of purged water removed: ~10 (gallons)

Physical appearance at start:

Color Light Brown

Odor NAP

Sheen/Free Product None

Physical appearance at start:

Color Grey

Odor NAP

Sheen/Free Product None

Samples: (See list of parameters collected below)

PDI-ONGW-SW-10-12-011024

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	12/18/23	Personnel	AVC	Weather	
Site Name	RGE East Station	Evacuation Method	Low Flow	Well #	SW-10-15
Site Location	Suntru St	Sampling Method		Project #	

Well information:

Depth of Well	26.75 ft.	*Measurements taken from:		
Depth to Water	19.06 ft.		⇳	Top of Well Casing
H_{wc}	7.69 ft.			Top of Protective Casing
Depth to Intake	21.75 ft.	PID HS - 3.6 ppm		(Other, Specify)

Start Purge Time: 1405

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	Boring stopped reading while it was tilled							150
10	19.50	9.53	4.99	2.42	-68	5.51	22.5	150
15	19.65	9.95	5.03	2.41	-90	2.2	23.7	125
20	19.56	10.36	5.05	2.38	-106	1.67	11.6	125
25	20.10	10.26	5.09	2.38	-120	3.3	3.13	125
30	20.15	10.40	5.15	2.38	-127	1.06	2.2	135
35	20.20	10.36	5.15	2.39	-128	1.17	0.8	125
40	22.22	10.32	5.17	2.39	-130	1.14	0.0	125

End Purge Time: 1445

Water Sample

Time Collected: 1450

Total volume of purged water removed: 1.5 (gallons)

Physical appearance at start:

Color Clear
Odor Yes-Tar
Sheen/Free Product No

Physical appearance at start:

Color Clear
Odor Yes
Sheen/Free Product No

Samples: (See list of parameters collected below)

0.00 ppm on opening

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	11/17/23	Personnel	E.Z and M.H.	Weather	Rain 55° F
Site Name	East Station	Evacuation Method	Bladder	Well #	SW-10-15
Site Location	Rochester	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	26.22 ft.	*Measurements taken from:	
Depth to Water	19.93 ft.	✓	Top of Well Casing
H_{wc}	6.29 ft.		Top of Protective Casing
Depth to Intake	24.88 ft.		(Other, Specify)

Start Purge Time: 1118

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	20.5	21.7	7.15	2.212	2.43	2.4	40.55	
5	21.8	12.2	7.12	2.205	-153.6	1.9	42.61	
10	22.1	12.2	7.18	2.197	-141.9	2.65	20.05	
15	22.4	12.1	7.19	2.195	-153.2	3.26	2160	
20	22.6	12	7.16	2.212	-128.9	3.98	20.53	
25	22.6	12	7.16	2.209	-124	3.72	20.11	
30	22.5	12.1	1.15	2.208	-131.6	3.51	19.21	
35	22							
40								

End Purge Time:

Water Sample

Time Collected: _____ Total volume of purged water removed: _____ (gallons)

Physical appearance at start: Physical appearance at start:

Color Slight Cloudy Color _____

Odor _____ Odor _____

Sheen/Free Product None Sheen/Free Product _____

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	01/10/24	Personnel	DRD/JB	Weather	Overcast, 40s
Site Name	Avan ES	Evacuation Method		Well #	SW-12-01
Site Location	Rochester, NY	Sampling Method		Project #	

Well information:

Depth of Well	23.05 ft.	*Measurements taken from:		
Depth to Water	10.75 ft.		X	Top of Well Casing
H_{wc}	12.30 ft.			Top of Protective Casing
Depth to Intake	22.00 ft.	PID HS: 0.0 ppm		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1150								100
1155	10.85	9.28	7.32	5.66	-70	6.15	655	100
1200		8.76	7.32	5.62	-86	4.26	440	
1205		8.53	7.31	5.60	-91	1.11	348	100
1210		8.34	7.32	5.35	-95	0.81	311	100
1215	10.85	8.31	7.33	5.20	-90	0.72	326	
1220		8.27	7.32	5.10	-86	0.64	385	
1225		8.23	7.33	4.99	-80	0.53	419	100
1230		8.15	7.33	4.89	-75	0.53	439	
1235	10.85	8.01	7.33	4.81	-72	0.50	391	
1240		7.79	7.33	4.76	-69	0.48	362	100
1245		7.22	7.33	4.76	-65	0.46	283	
1250	10.85	6.93	7.32	4.74	-59	0.40	174	
1255		6.92	7.31	4.74	-59	0.39	160	100

End Purge Time: 1255

Water Sample

Time Collected: 1300

Total volume of purged water removed: 3 (gallons)

Physical appearance at start:

Color Light Brown

Odor Slight Coal Tar

Sheen/Free Product None

Physical appearance at start:

Color Light Brown

Odor None

Sheen/Free Product None

Samples: (See list of parameters collected below)

Sample # PDI-OFFGW-SW-12-01-011024

Sample # PDI-OFFGW-SW-12-01FD-011024

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	01/09/24	Personnel	AVC/JM	Weather	30s, windy, rain
Site Name	East Station	Evacuation Method	Peri	Well #	SW-12-01M
Site Location	Rochester, NY	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	88.10 ft.	*Measurements taken from:		
Depth to Water	10.40 ft.		X	Top of Well Casing
H_{wc}	77.70 ft.			Top of Protective Casing
Depth to Intake	30.00 ft.			(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	10	11.54	5.79	4.46	-147	0.55	0.0	
15		10.48	7.93	1.92	-128	0.82	5.8	
20	10.94	10.77	7.93	1.85	-132	0.42	6.0	
25	10.9	10.72	7.92	1.85	-136	0.39	4.7	
30	10.92	10.91	7.91	1.85	-129	0.39	5.1	
35	10.92	10.87	7.91	1.80	-128	0.38	5.4	

End Purge Time:

Water Sample

Time Collected: 1500

Total volume of purged water removed: ~5 (gallons)

Physical appearance at start:

Color Clear
Odor No
Sheen/Free Product No

Physical appearance at start:

Color Clear
Odor No
Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	01/09/24	Personnel	AVC/JB	Weather	30s, snow
Site Name	East Station	Evacuation Method	Bladder Pump	Well #	SW-12-01R
Site Location	Rochester, NY	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	70.85 ft.	*Measurements taken from:		
Depth to Water	10.35 ft.		X	Top of Well Casing
H_{wc}	60.5 ft.			Top of Protective Casing
Depth to Intake	65.85 ft.			(Other, Specify)

Start Purge Time: 1000

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	10.64	10.36	7.78	2.20	44	10.28	32.2	300
5	10.65	11.09	7.84	2.25	48	9.47	27.1	300
10	10.69	11.53	7.86	2.26	50	8.74	23.6	300
15	10.69	11.52	7.87	2.26	50	8.34	21.0	300
20	10.71	11.56	7.84	2.26	53	8.11	22.6	300
25	10.68	11.45	7.76	2.26	57	7.75	21.3	300
30	10.69	11.39	7.78	2.25	58	7.54	16.8	300
35	10.65	11.14	7.81	2.25	57	7.87	16.4	300
40	10.65	10.45	7.82	2.32	57	8.69	18.1	300
45	10.67	11.11	7.81	2.37	59	7.77	18.0	300
50	10.67	10.95	7.85	2.46	56	7.46	16.2	300
55	10.67	10.88	7.85	2.61	39	7.10	15.1	300
60	10.65	11.04	7.88	2.95	-46	3.82	17.6	300
65	10.65	10.74	7.89	3.57	-184	5.72	14.0	300
70	10.64	10.61	7.91	3.82	-196	5.38	14.2	300
75	10.64	10.55	7.94	4.11	-211	4.94	14.0	300
80	10.62	10.57	7.95	4.47	-220	4.54	13.5	300
85	10.62	10.57	7.96	4.87	-230	4.14	11.4	300
90	10.62	10.56	7.98	5.02	-234	3.94	10.7	300
95	10.62	10.76	8.01	5.74	-246	9.98	10.5	300
100	10.63	10.77	8.03	6.39	-253	9.88	8.0	300
105	10.63	10.45	8.02	6.49	-257	1.91	6.7	300
110	10.63	10.55	9.03	6.64	-261	2.00	6.1	300
115	10.63	10.00	8.04	7.24	-271	1.82	6.2	300

End Purge Time: 1155

Water Sample

Time Collected: 1200

Physical appearance at start:

Color clear

Odor slight

Sheen/Free Product none

Total volume of purged water removed: 9 (gallons)

Physical appearance at start:

Color clear

Odor none

Sheen/Free Product none

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	01/09/24	Personnel	AC/DRD/JB	Weather	Rain, wind, 30s
Site Name	Avan ES	Evacuation Method	Peri	Well #	SW-12-04
Site Location	B + L	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	15.60 ft.	*Measurements taken from:		
Depth to Water	4.25 ft.		X	Top of Well Casing
H_{wc}	11.35 ft.			Top of Protective Casing
Depth to Intake	14.00 ft.	PID HS: 0.0 ppm		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1415								150
1420	4.60	10.60	7.29	5.07	-31	3.06	7.2	100
1425		9.89	7.34	4.26	-39	1.47	0.2	
1430	4.60	9.82	7.35	4.05	-38	1.24	0.0	100
1435	4.62	9.79	7.36	3.62	-35	1.06	0.0	
1440	4.65	9.43	7.38	3.46	-34	0.99	0.0	100
1445		9.36	7.37	3.33	-29	1.09	0.0	
1450	4.65	9.25	7.38	3.11	-27	1.13	0.0	100
1455		9.23	7.38	3.07	-25	1.11	0.0	
1500		9.23	7.36	3.01	-22	1.10	0.0	100
1505		9.22	7.36	3.01	-23	1.08	0.0	100

End Purge Time:

Water Sample

Time Collected: 1510

Total volume of purged water removed: 1.5 (gallons)

Physical appearance at start:

Color Light Gray

Odor Slight Coal

Sheen/Free Product No

Physical appearance at start:

Color Clear

Odor No

Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	01/09/24	Personnel	DRD/AC/JB	Weather	Snow/rain mix, 30s
Site Name	Avan ES	Evacuation Method		Well #	SW-12-13
Site Location	B + L	Sampling Method		Project #	

Well information:

Depth of Well	21.15 ft.	*Measurements taken from:		
Depth to Water	10.88 ft.		X	Top of Well Casing
H_{wc}	10.27 ft.			Top of Protective Casing
Depth to Intake	ft.			(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
1235								150
1240	10.95	9.49	7.57	3.99	-44	7.26	39.3	
1245		10.49	7.59	3.82	-64	2.13	30.2	150
1250		10.65	7.58	3.78	-70	1.43	17.7	
1255		10.84	7.58	3.77	-73	1.01	20.4	150
1300	10.95	11.14	7.58	3.76	-75	0.87	11.2	
1305		11.16	7.58	3.77	-76	0.80	8.0	150
1310		11.14	7.58	3.78	-76	0.78	8.6	

End Purge Time:

Water Sample

Time Collected: 1315

Total volume of purged water removed: 1 (gallons)

Physical appearance at start:

Color Light Gray

Odor No

Sheen/Free Product No

Physical appearance at start:

Color Clear

Odor No

Sheen/Free Product No

Samples: (See list of parameters collected below)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	11/17/23	Personnel	E.Z and M.H.	Weather	Rain 54° F
Site Name	East Station	Evacuation Method	Bladder	Well #	SW-12-20
Site Location	Rochester	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	73.55 ft.	*Measurements taken from:	
Depth to Water	19.37 ft.	✓	Top of Well Casing
H_{wc}	54.18 ft.		Top of Protective Casing
Depth to Intake	71.6 ft.		(Other, Specify)

Start Purge Time: 1250

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
5	19.55	12.4	7.77	2.516	-48.6	3.25	78.04	200
10	19.51	12.3	7.51	2.546	-76.8	3.16	64.56	200
15	19.55	12.2	7.54	2.552	-88.9	1.87	51.02	200
20	19.55	12.1	7.49	2.550	-73.9	2.00	32.10	200
25	19.56	12.2	7.54	2.546	-69.7	2.50	27.04	200
30	19.52	12.2	7.55	2.549	-72.7	2.52	21.72	200
35	19.53	12.2	7.53	2.547	-68.7	2.41	19.18	200
40	19.54	12.2	7.57	2.849	-65.9	2.81	15.91	200
45	19.55	12.2	7.53	2.550	-75.4	2.90	15.43	200

End Purge Time: 1423 93 minutes

Water Sample

Time Collected: 1345

Total volume of purged water removed: 4.9 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	Cloudy	Color	Clear
Odor	VOC	Odor	VOC
Sheen/Free Product	None	Sheen/Free Product	None

Samples: (See list of parameters collected below)

PDI- OFFGW-SW-12-20-111723

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

Low Flow Ground Water Sampling Log

Date	11/17/23	Personnel	E.Z and M.H.	Weather	Cloudy
Site Name	East Station	Evacuation Method	Bladder	Well #	SW-12-21
Site Location	Rochester	Sampling Method	Low Flow	Project #	

Well information:

Depth of Well	30.35 ft.	*Measurements taken from:	
Depth to Water	19.94 ft.	✓	Top of Well Casing
H_{wc}	10.41 ft.		Top of Protective Casing
Depth to Intake	28.65 ft.		(Other, Specify)

Start Purge Time:

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Elapsed Time (min)	**Depth to Water (ft)**	**Temperature (celsius)**	**pH**	**Conductivity (ms/cm)**	**Oxidation Reduction Potential**	**Dissolved Oxygen (mg/L)**	**Turbidity (NTU)**	**Flow Rate (mL/min)**
0	20.1	12.7	7.53	4.354	-39.3	26.0	145.72	450
5	20.1	12.9	7.57	2.617	-53.3	26.3	94.53	450
10	20.1	13.1	7.52	2.379	3.2	2.48	68.05	450
15	20.1	13.1	7.52	2.378	9.6	2.31	57.54	450
20	20.1	13.3	7.51	2.244	26.4	2.81	10.12	450
25	20.20	13.2	7.55	2.230	33.7	4.32	7.34	450
30	20.02	13.2	7.57	2.229	41.5	3.78	12.52	450
35	20.02	13.2	7.50	2.229	43.8	3.18	11.27	450
40	20.02	13.2	7.52	2.237	47.6	3.49	14.62	450
45	20.02	13.1	7.59	2.231	48.5	3.81	8.34	450
50	20.02	13.3	7.60	2.236	49.9	3.89	6.21	450
55	20.02	13.3	7.57	2.251	50.4	3.92	7.19	450

End Purge Time: 1037 85 minu

Water Sample

Time Collected: 1010

Total volume of purged water removed: 10.09 (gallons)

Physical appearance at start:		Physical appearance at start:	
Color	Cloudy	Color	Clear
Odor	VOC Oil	Odor	VOC
Sheen/Free Product	None	Sheen/Free Product	None

Samples: (See list of parameters collected below)

PDI- OFFGW-SW-12-21-111723

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
Alkalinity	125 mL Plastic	1	no	none	-
Ammonia/COD	250 mL Plastic	1	no	H2SO4	-
PAHs + 1,4-Dioxane	1 L Amber	2	no	none	-
Chl/Tds/Bro/SO4	60 mL Plastic	1	no	none	-
TOC	40 mL Glass	2	no	HCl	-
TDS	500 mL Plastic	1	no	none	-
VOCs	40 mL Glass	3	no	HCl	-
Mod. Bsln Metals / Hardness	250 mL Plastic	2	no	HNO3	-
PFAS	250 mL Plastic	2	no	none	-
PAHs	250 mL Amber	2	no	none	-

APPENDIX G GEOTECHNICAL REPORTS

Boston
New York
Atlanta
Chicago
Los Angeles
Houston

www.geotesting.com

Transmittal

TO:

Sara Weishaupt

Parsons Corporation

301 Plainfield Road, Suite 350

Syracuse, NY 13212

DATE: 2/2/2024	GTX NO: 318357
RE: East Station	

COPIES	DATE	DESCRIPTION
	2/2/2024	**January 2024 Laboratory Test Report**

REMARKS:

SIGNED:

Dave Norton, Assistant Laboratory Manager

APPROVED BY: ayushi kale

Ayushi Kale, Laboratory Manager

GeoTesting EXPRESS

Boston
New York
Atlanta
Chicago
Los Angeles
Houston

www.geotesting.com

February 2, 2024

Sara Weishaupt
Parsons Corporation
301 Plainfield Road, Suite 350
Syracuse, NY 13212

RE: East Station, Rochester, NY (GTX-318357)

Dear Sara:

Enclosed are the test results you requested for the above referenced project. GeoTesting Express, LLC. (GTX) received 19 samples from you on 12/19/2023.

GTX performed the following tests on these samples:

19 ASTM D6913 - Sieve Analysis
12 ASTM D2216 - Moisture Content
5 ASTM D2974 - Moisture, Ash and Organic Matter
4 ASTM D4318 - Atterberg Limits

A copy of your test request is attached.

The results presented in this report apply only to the items tested. This report shall not be reproduced except in full, without written approval from GeoTesting Express. The remainder of these samples will be retained for a period of sixty (60) days and will then be discarded unless otherwise notified by you. Please call me if you have any questions or require additional information. Thank you for allowing GeoTesting Express the opportunity of providing you with testing services. We look forward to working with you again in the future.

Respectfully yours,

Dave Norton
Assistant Laboratory Manager

Boston
New York
Atlanta
Chicago
Los Angeles
Houston

www.geotesting.com

Geotechnical Test Report **2/2/2024**

GTX-318357

East Station

Rochester, NY

Client Project No.: 453580

Prepared for:

Parsons Corporation

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	---	Tested By:	ckg
Sample ID:	---	Test Date:	12/29/23	Checked By:	ank
Depth :	---	Test Id:	752048		

Moisture Content of Soil and Rock - ASTM D2216

Boring ID	Sample ID	Depth	Description	Moisture Content,%
---	PDI- ONSO-002	7-9'	Moist, brown silty sand	23.5
---	PDI- ONSO-008	21-23	Moist, brown silty sand and gravel	11.6
---	PDI- ONSO-016	9-11'	Moist, dark brown silty sand with gravel	17.6
---	PDI- ONSO-018	7-9'	Moist, brown silty sand with gravel	12.8
---	PDI- ONSO-019	2-3'	Moist, brown sandy silt	14.6
---	PDI- ONSO-020	4-5'	Moist, brown silty sand with gravel	4.5
---	PDI- ONSO-021	13-14'	Moist, brown silty sand with gravel	9.4
---	PDI- ONSO-022	18-19'	Moist, brown silty sand with gravel	9.8

Notes: Temperature of Drying : 110º Celsius

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	---	Tested By:	ckg
Sample ID:	---	Test Date:	12/29/23	Checked By:	ank
Depth :	---	Test Id:	752052		

Moisture Content of Soil and Rock - ASTM D2216

Boring ID	Sample ID	Depth	Description	Moisture Content,%
---	PDI- ONSO-023	10-11'	Moist, brown sandy silty clay	14.4
---	PDI- ONSO-026	7.5-9'	Moist, brown clayey sand	19.6
---	PDI- EW-03	9-10.5'	Moist, brown silty sand	13.3
---	PDI- EW-03	21-23'	Moist, gray silt with sand	20.4

Notes: Temperature of Drying : 110º Celsius

GeoTesting EXPRESS

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	---	Tested By:	cam
Sample ID:	---	Test Date:	12/29/23	Checked By:	ank
Depth :	---	Test Id:	752212		

Moisture, Ash, and Organic Matter - ASTM D2974

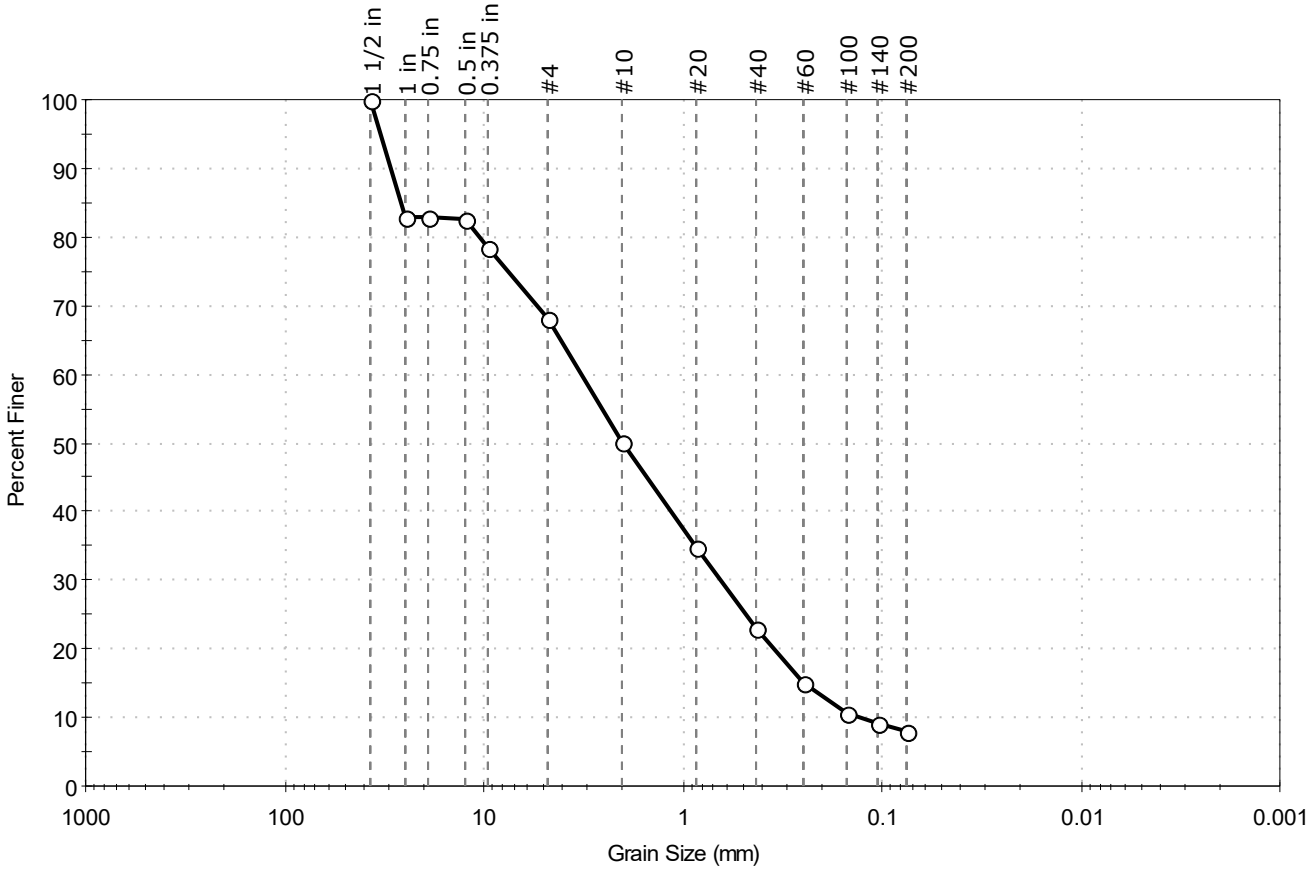
Boring ID	Sample ID	Depth	Description	Moisture Content,%	Ash Content,%	Organic Matter,%
---	PDI-ONSO-019	2-3'	Moist, brown sandy silt	19	98.2	1.8
---	PDI-ONSO-020	4-5'	Moist, brown silty sand with gravel	6	97.2	2.8
---	PDI-ONSO-022	18-19'	Moist, brown silty sand with gravel	12	98.3	1.7
---	PDI-ONSO-023	10-11'	Moist, brown sandy silty clay	13	99.5	.5
---	PDI-ONSO-026	7.5-9'	Moist, brown clayey sand	24	98.9	1.1

Notes: Moisture content determined by Method A and reported as a percentage of oven-dried mass;
dried to a constant mass at temperature of 105º C
Ash content and organic matter determined by Method C; dried to constant mass at temperature 440º C

GeoTesting EXPRESS

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-SED-005	Test Date:	12/29/23	Checked By:	ank
Depth :	0-16'	Test Id:	752007		
Test Comment:	---				
Visual Description:	Moist, brown sand with silt and gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	31.9	60.1	8.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 1/2 in	37.50	100		
1 in	25.00	83		
0.75 in	19.00	83		
0.5 in	12.50	83		
0.375 in	9.50	79		
#4	4.75	68		
#10	2.00	50		
#20	0.85	35		
#40	0.42	23		
#60	0.25	15		
#100	0.15	11		
#140	0.11	9		
#200	0.075	8.0		

Coefficients

D_{85} = 26.3478 mm	D_{30} = 0.6411 mm
D_{60} = 3.2151 mm	D_{15} = 0.2477 mm
D_{50} = 1.9804 mm	D_{10} = 0.1257 mm
C_u = 25.578	C_c = 1.017

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (1))

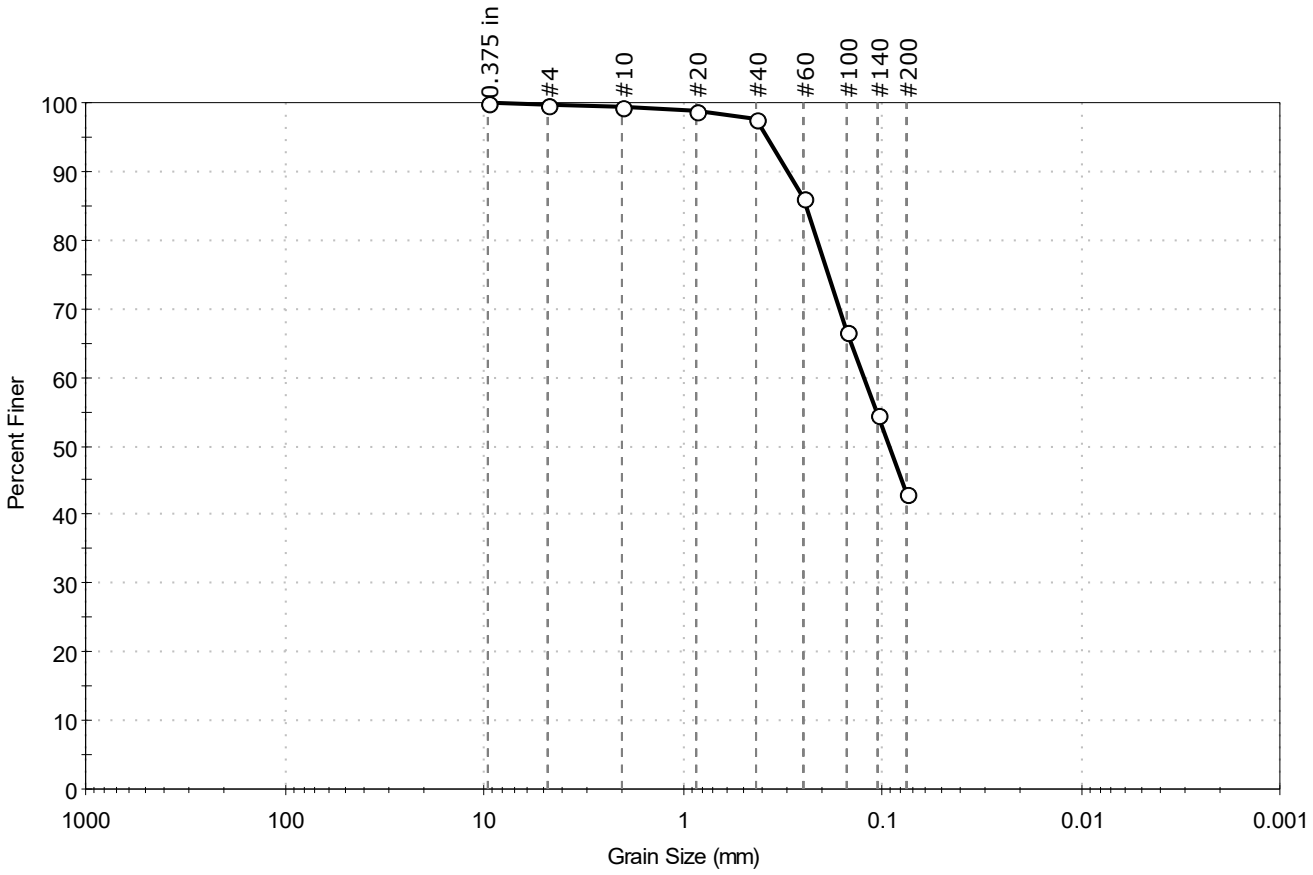
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-SED-006	Test Date:	12/29/23	Checked By:	ank
Depth :	0-23'	Test Id:	752008		
Test Comment:	---				
Visual Description:	Moist, brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.3	56.7	43.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	100		
#10	2.00	99		
#20	0.85	99		
#40	0.42	98		
#60	0.25	86		
#100	0.15	67		
#140	0.11	54		
#200	0.075	43		

Coefficients

D_{85} = 0.2421 mm D_{30} = N/A

D_{60} = 0.1240 mm D_{15} = N/A

D_{50} = 0.0926 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

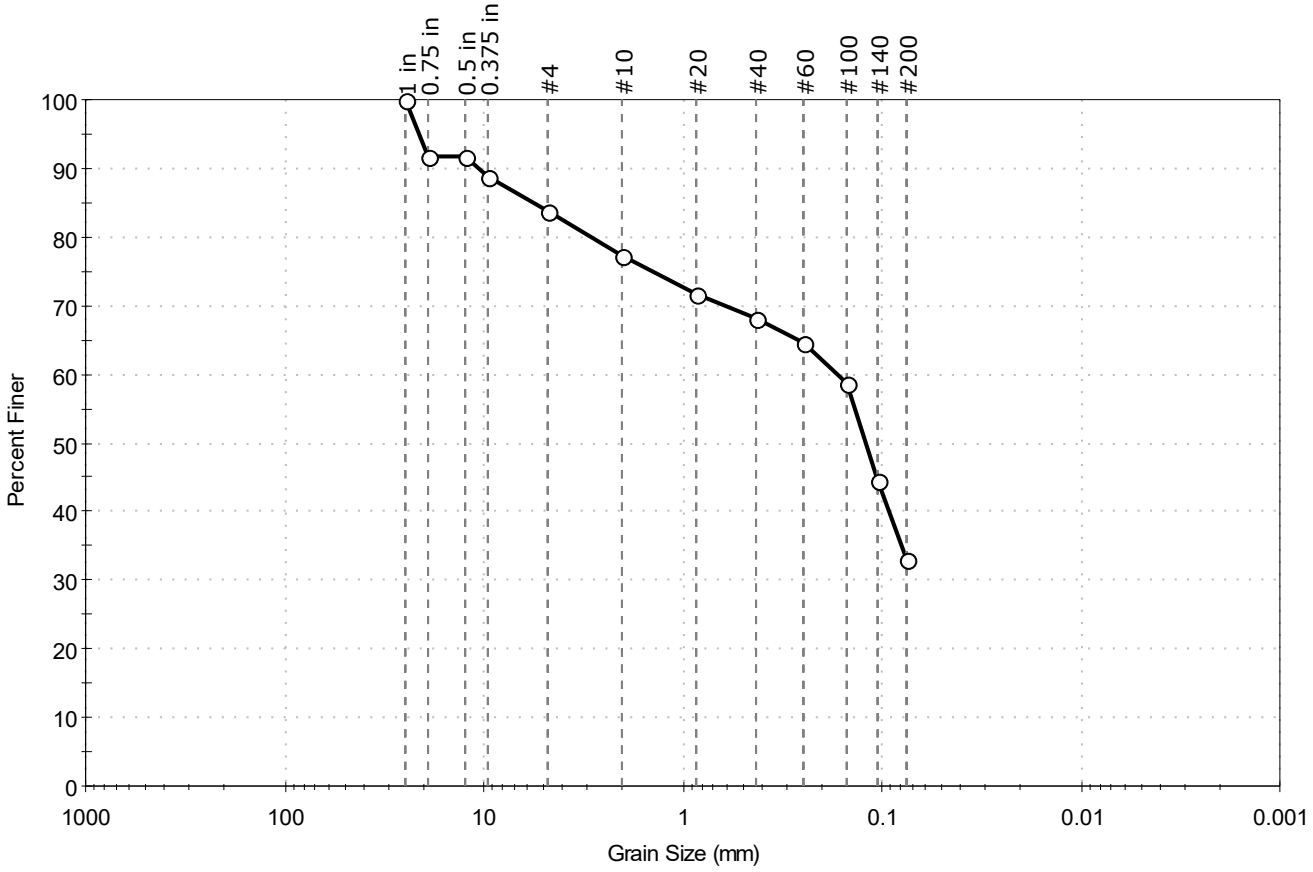
Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-SED-008	Test Date:	12/30/23	Checked By:	ank
Depth :	0-22'	Test Id:	752009		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	16.2	50.6	33.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	92		
0.5 in	12.50	92		
0.375 in	9.50	89		
#4	4.75	84		
#10	2.00	77		
#20	0.85	72		
#40	0.42	68		
#60	0.25	64		
#100	0.15	59		
#140	0.11	45		
#200	0.075	33		

Coefficients

D_{85} = 5.6630 mm D_{30} = N/A

D_{60} = 0.1673 mm D_{15} = N/A

D_{50} = 0.1211 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

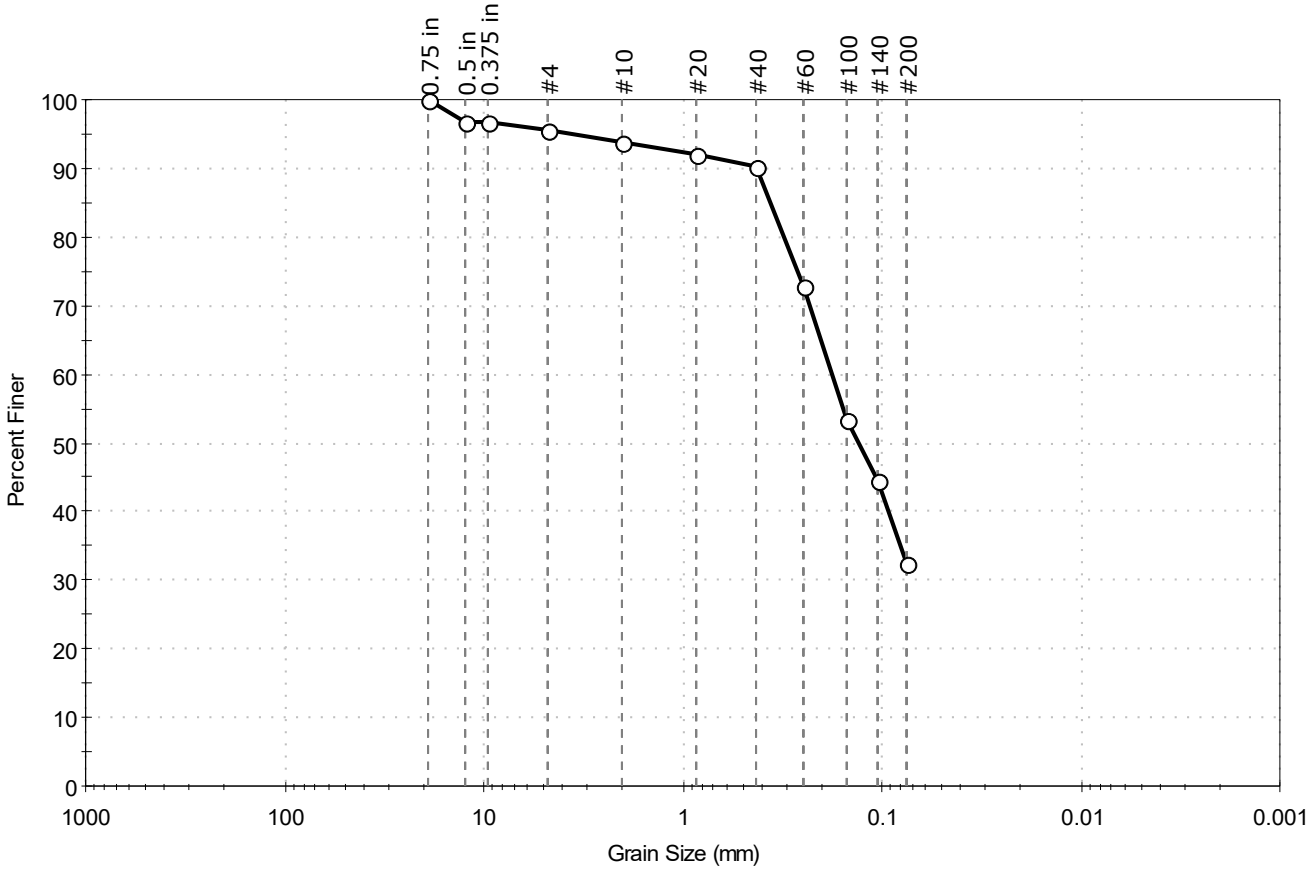
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-SED-022	Test Date:	12/30/23	Checked By:	ank
Depth :	0-66'	Test Id:	752010		
Test Comment:	---				
Visual Description:	Moist, brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	4.5	63.0	32.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	97		
0.375 in	9.50	97		
#4	4.75	95		
#10	2.00	94		
#20	0.85	92		
#40	0.42	90		
#60	0.25	73		
#100	0.15	53		
#140	0.11	44		
#200	0.075	32		

Coefficients

D_{85} = 0.3614 mm	D_{30} = N/A
D_{60} = 0.1782 mm	D_{15} = N/A
D_{50} = 0.1312 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

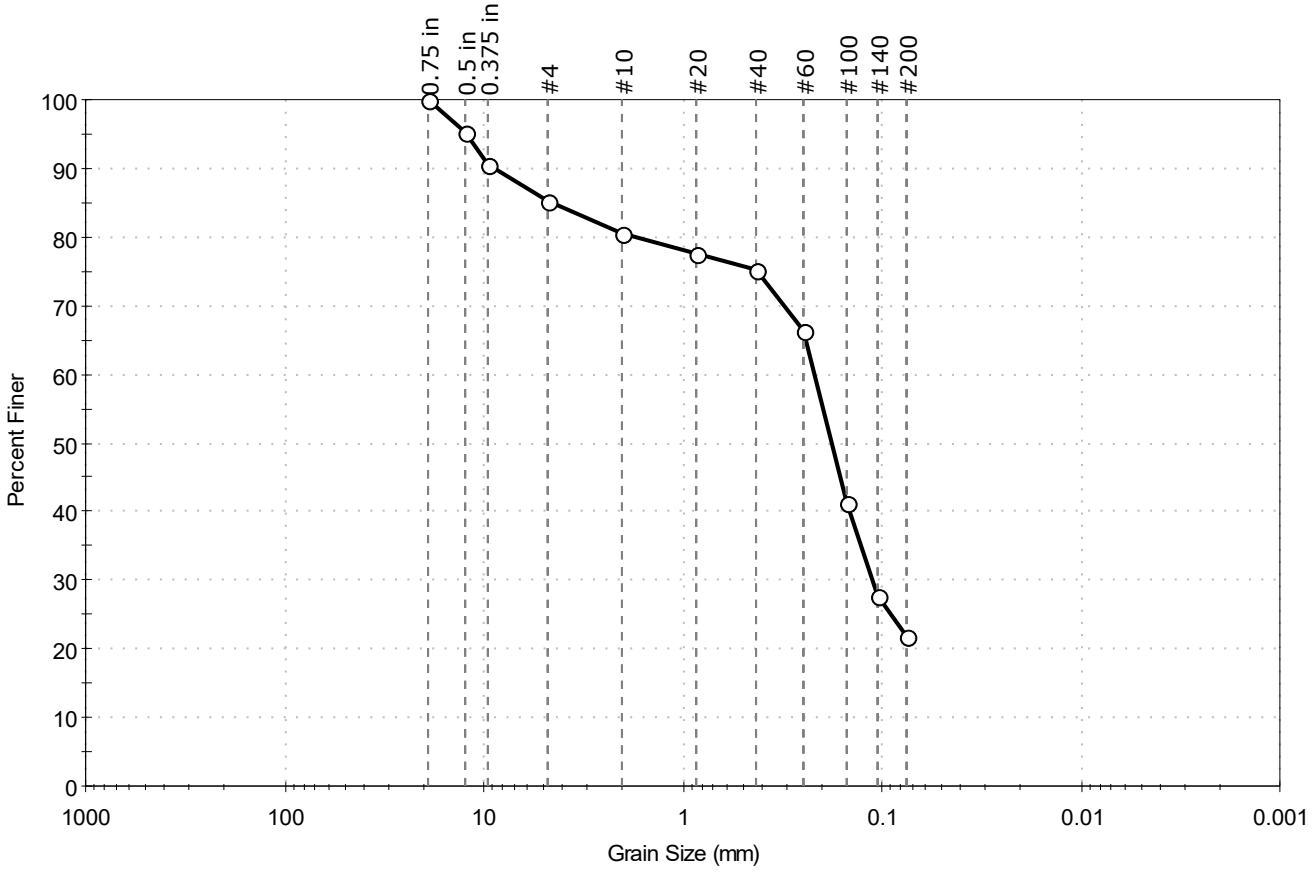
ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-SED-023	Test Date:	12/30/23	Checked By:	ank
Depth :	0-18'	Test Id:	752011		
Test Comment:	---				
Visual Description:	Moist, dark brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	14.9	63.3	21.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	95		
0.375 in	9.50	91		
#4	4.75	85		
#10	2.00	80		
#20	0.85	78		
#40	0.42	75		
#60	0.25	66		
#100	0.15	41		
#140	0.11	28		
#200	0.075	22		

Coefficients

D_{85} = 4.6327 mm D_{30} = 0.1125 mm

D_{60} = 0.2194 mm D_{15} = N/A

D_{50} = 0.1793 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

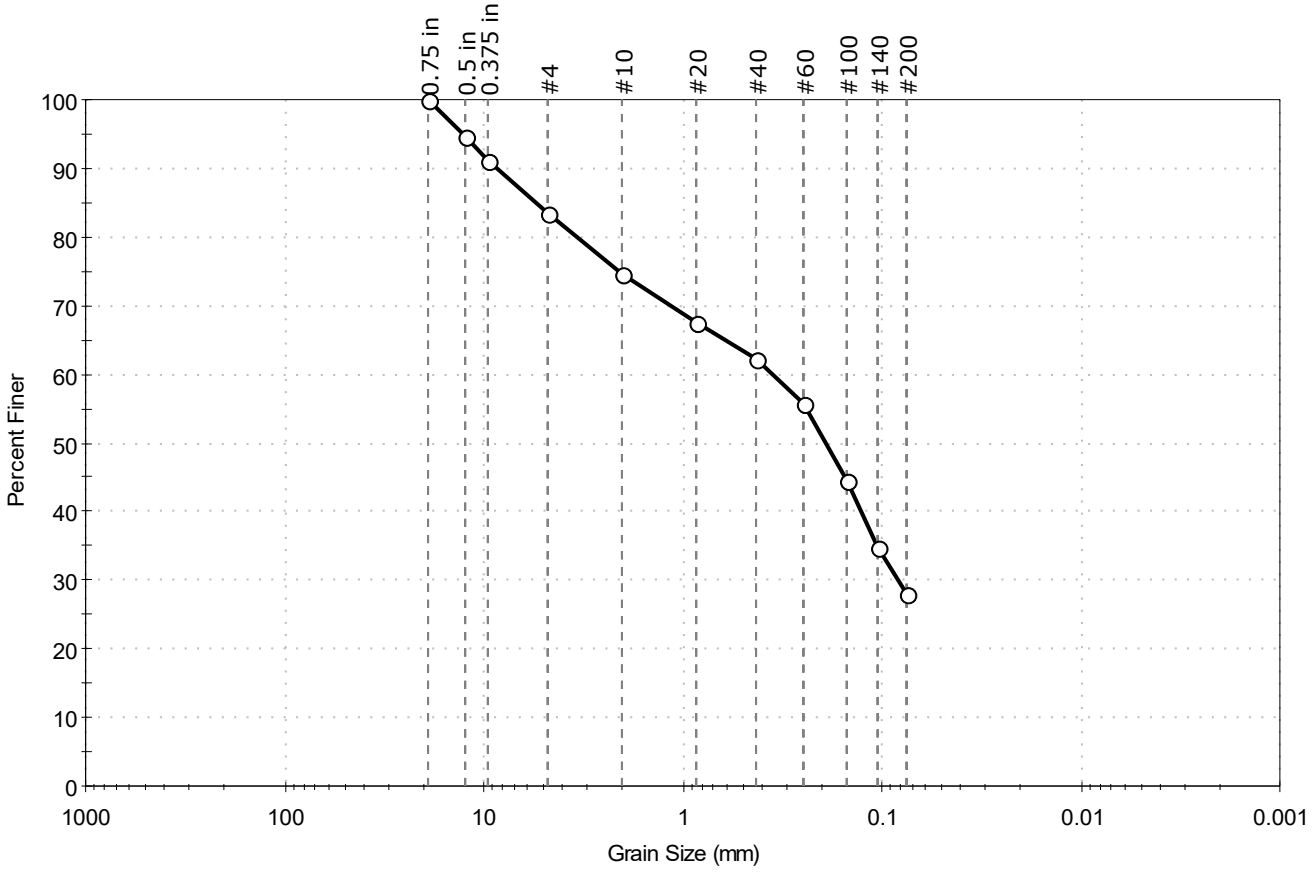
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-SED-027	Test Date:	12/30/23	Checked By:	ank
Depth :	10-16'	Test Id:	752012		
Test Comment:	---				
Visual Description:	Moist, dark brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	16.6	55.4	28.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	95		
0.375 in	9.50	91		
#4	4.75	83		
#10	2.00	75		
#20	0.85	68		
#40	0.42	62		
#60	0.25	56		
#100	0.15	44		
#140	0.11	35		
#200	0.075	28		

Coefficients

D_{85} = 5.5035 mm D_{30} = 0.0831 mm

D_{60} = 0.3551 mm D_{15} = N/A

D_{50} = 0.1926 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

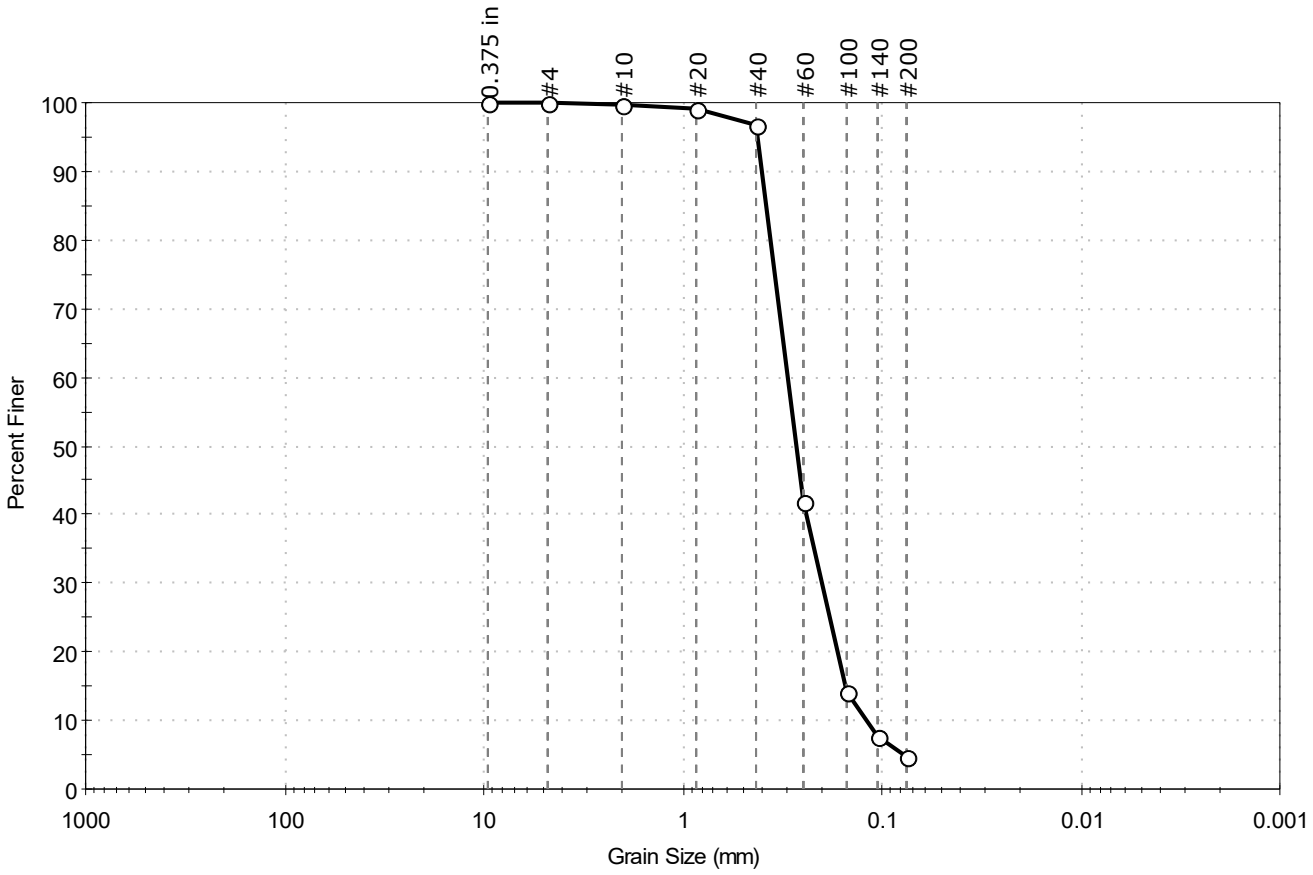
Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-SED-028	Test Date:	12/30/23	Checked By:	ank
Depth :	0-33'	Test Id:	752013		
Test Comment:	---				
Visual Description:	Moist, brown sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.1	95.1	4.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.42	97		
#60	0.25	42		
#100	0.15	14		
#140	0.11	8		
#200	0.075	4.8		

Coefficients

D_{85} = 0.3791 mm	D_{30} = 0.2006 mm
D_{60} = 0.2978 mm	D_{15} = 0.1520 mm
D_{50} = 0.2704 mm	D_{10} = 0.1201 mm
C_u = 2.480	C_c = 1.125

Classification

ASTM Poorly graded SAND (SP)

AASHTO Fine Sand (A-3 (1))

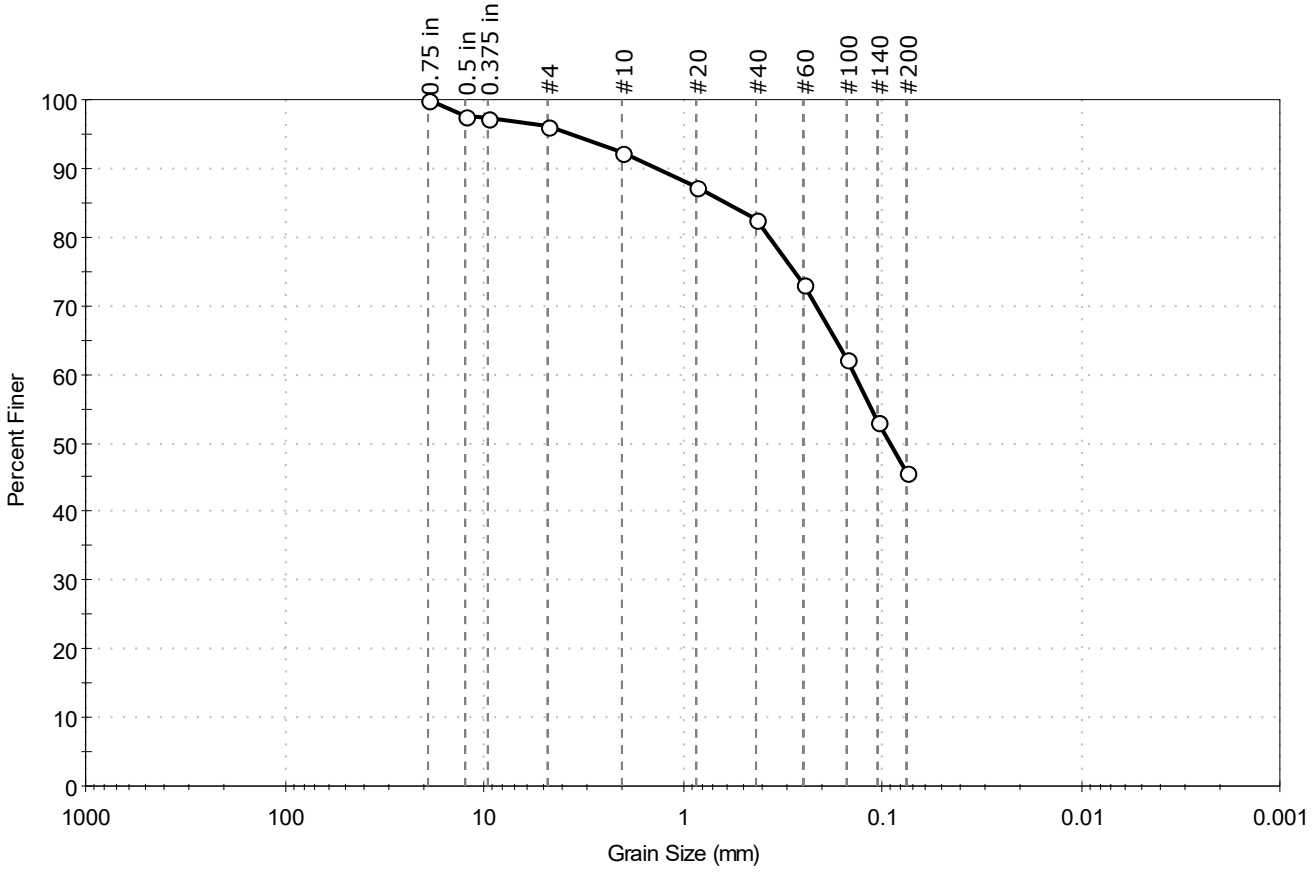
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-002	Test Date:	12/30/23	Checked By:	ank
Depth :	7-9'	Test Id:	752014		
Test Comment:	---				
Visual Description:	Moist, brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	3.8	50.4	45.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	98		
0.375 in	9.50	97		
#4	4.75	96		
#10	2.00	92		
#20	0.85	87		
#40	0.42	83		
#60	0.25	73		
#100	0.15	62		
#140	0.11	53		
#200	0.075	46		

Coefficients

D_{85} = 0.6040 mm	D_{30} = N/A
D_{60} = 0.1381 mm	D_{15} = N/A
D_{50} = 0.0913 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Silty SAND (SM)

AASHTO Silty Soils (A-4 (0))

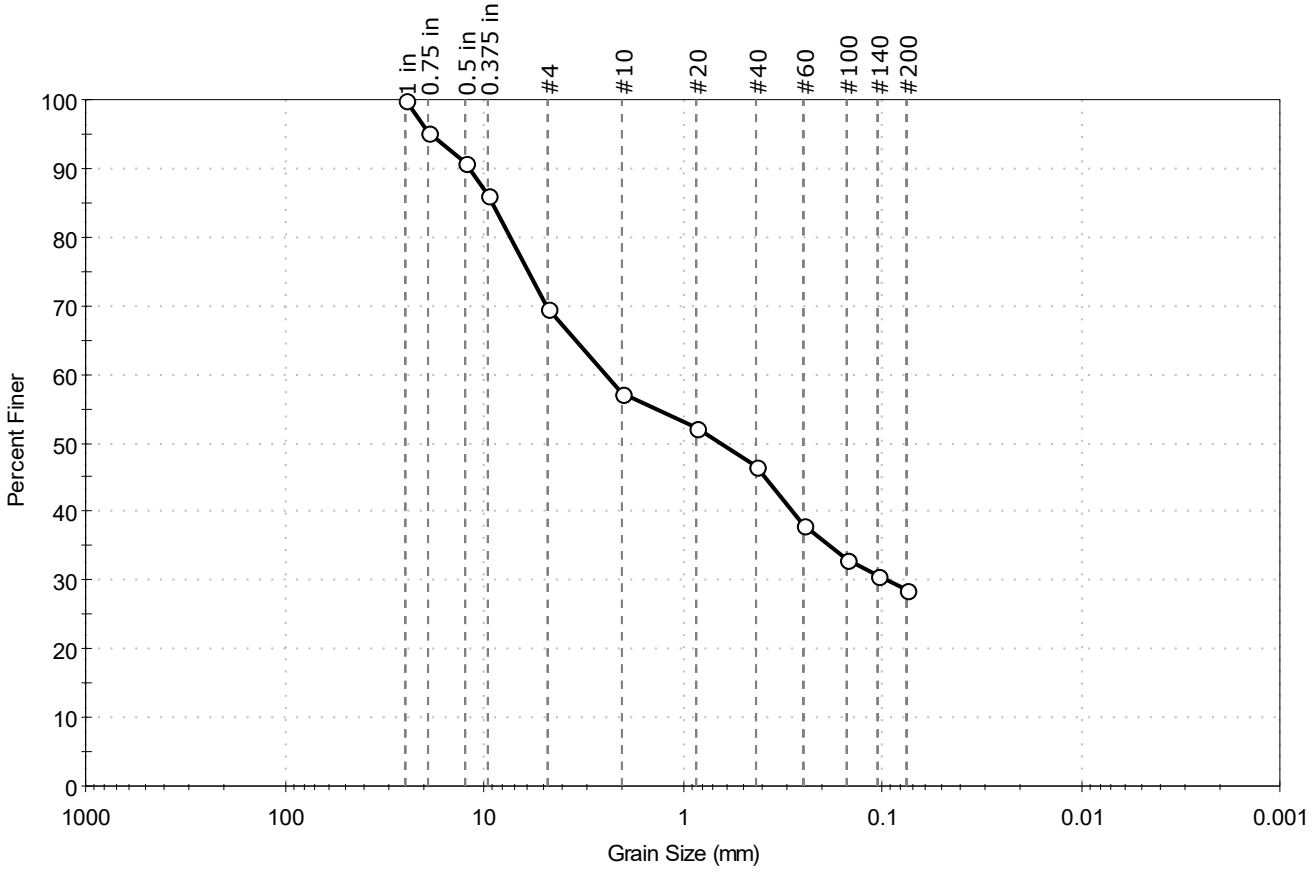
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-008	Test Date:	12/30/23	Checked By:	ank
Depth :	21-23	Test Id:	752015		
Test Comment:	---				
Visual Description:	Moist, brown silty sand and gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	30.4	40.9	28.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 in	25.00	100		
0.75 in	19.00	95		
0.5 in	12.50	91		
0.375 in	9.50	86		
#4	4.75	70		
#10	2.00	57		
#20	0.85	52		
#40	0.42	46		
#60	0.25	38		
#100	0.15	33		
#140	0.11	31		
#200	0.075	29		

Coefficients

D_{85} = 9.0544 mm D_{30} = 0.0934 mm

D_{60} = 2.4234 mm D_{15} = N/A

D_{50} = 0.6455 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

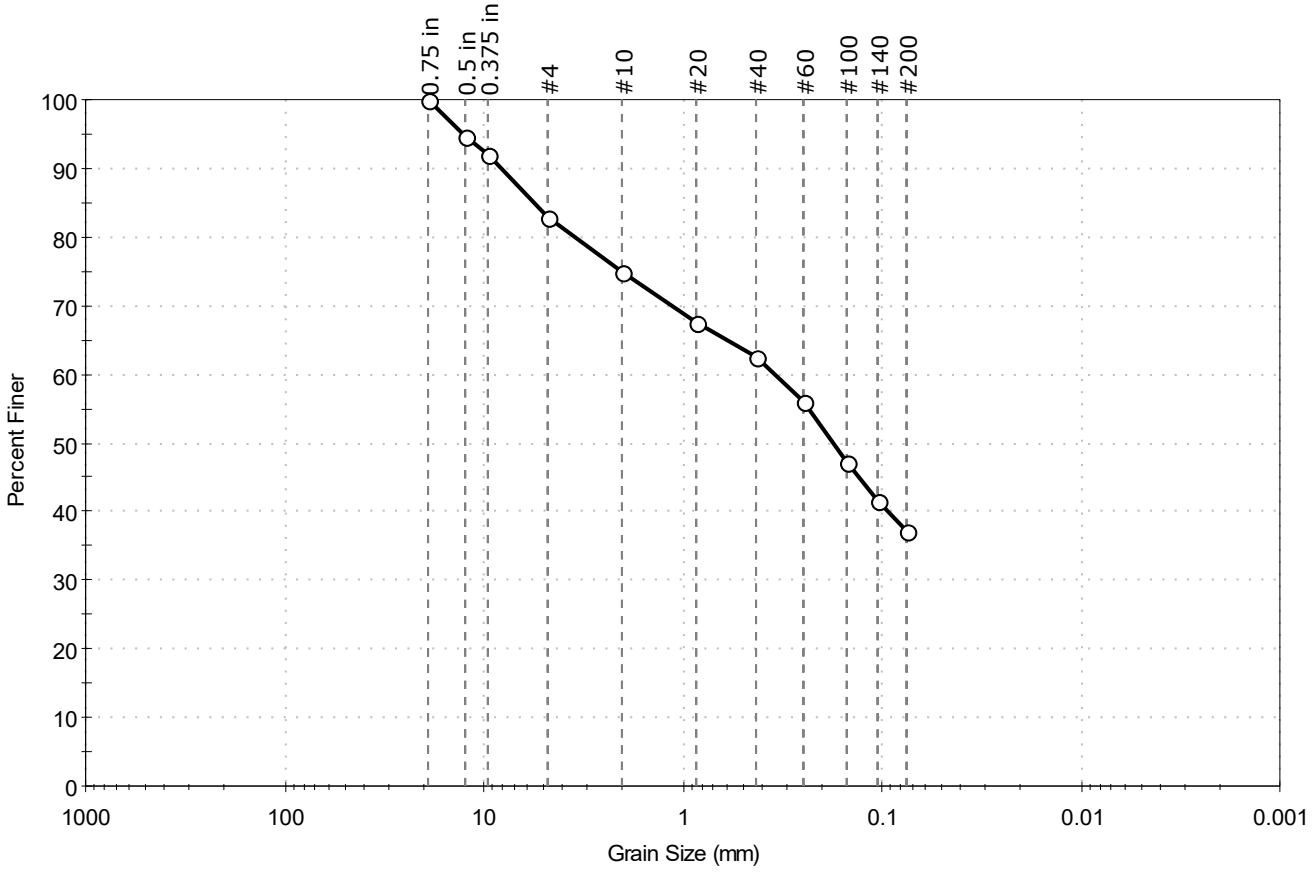
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-016	Test Date:	12/30/23	Checked By:	ank
Depth :	9-11'	Test Id:	752016		
Test Comment:	---				
Visual Description:	Moist, dark brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	17.1	45.8	37.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	95		
0.375 in	9.50	92		
#4	4.75	83		
#10	2.00	75		
#20	0.85	68		
#40	0.42	62		
#60	0.25	56		
#100	0.15	47		
#140	0.11	42		
#200	0.075	37		

Coefficients

D_{85} = 5.5725 mm D_{30} = N/A

D_{60} = 0.3451 mm D_{15} = N/A

D_{50} = 0.1750 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM Silty SAND with Gravel (SM)

AASHTO Silty Soils (A-4 (0))

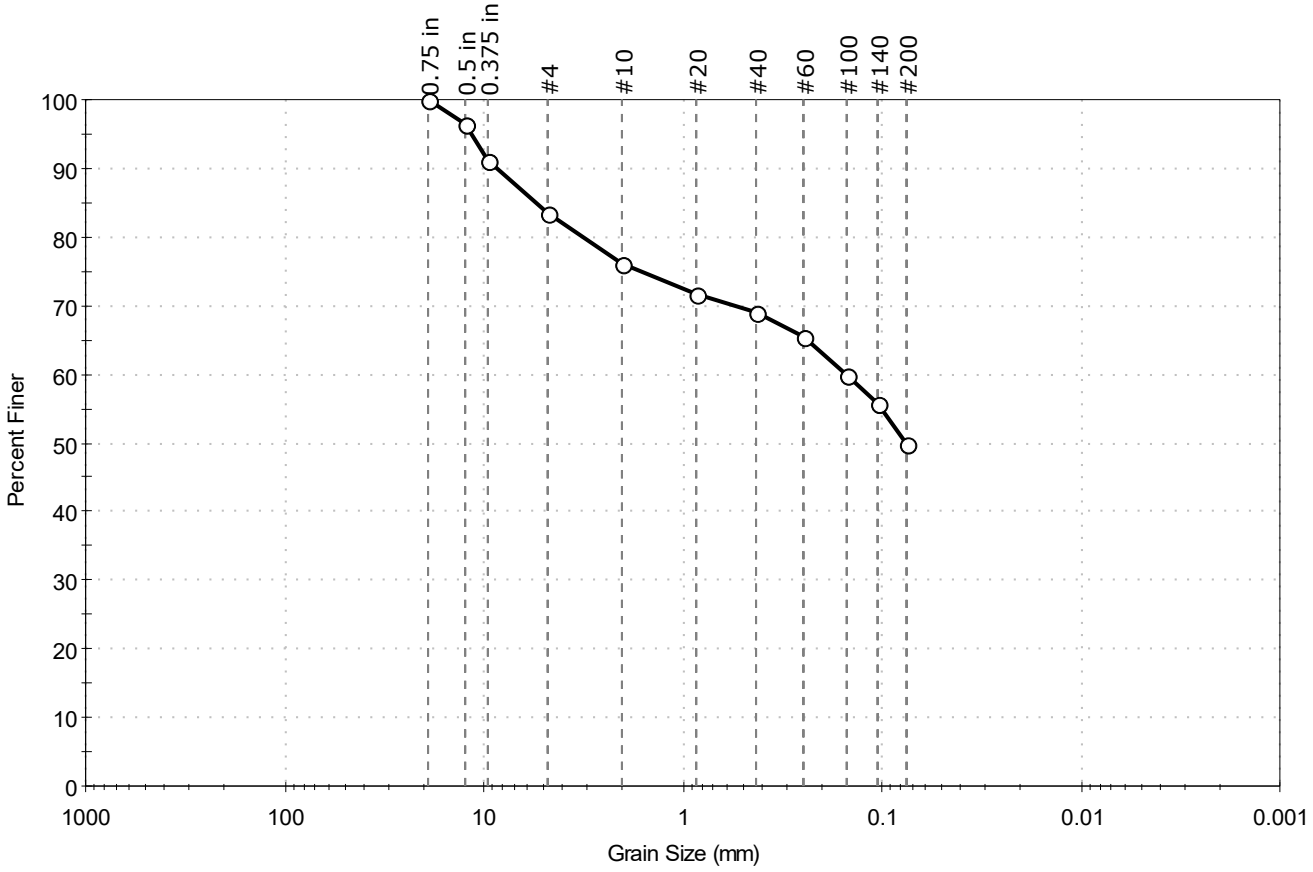
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-018	Test Date:	12/30/23	Checked By:	ank
Depth :	7-9'	Test Id:	752017		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	16.5	33.6	49.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	96		
0.375 in	9.50	91		
#4	4.75	84		
#10	2.00	76		
#20	0.85	72		
#40	0.42	69		
#60	0.25	66		
#100	0.15	60		
#140	0.11	56		
#200	0.075	50		

Coefficients

D_{85} = 5.4323 mm D_{30} = N/A

D_{60} = 0.1500 mm D_{15} = N/A

D_{50} = 0.0752 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

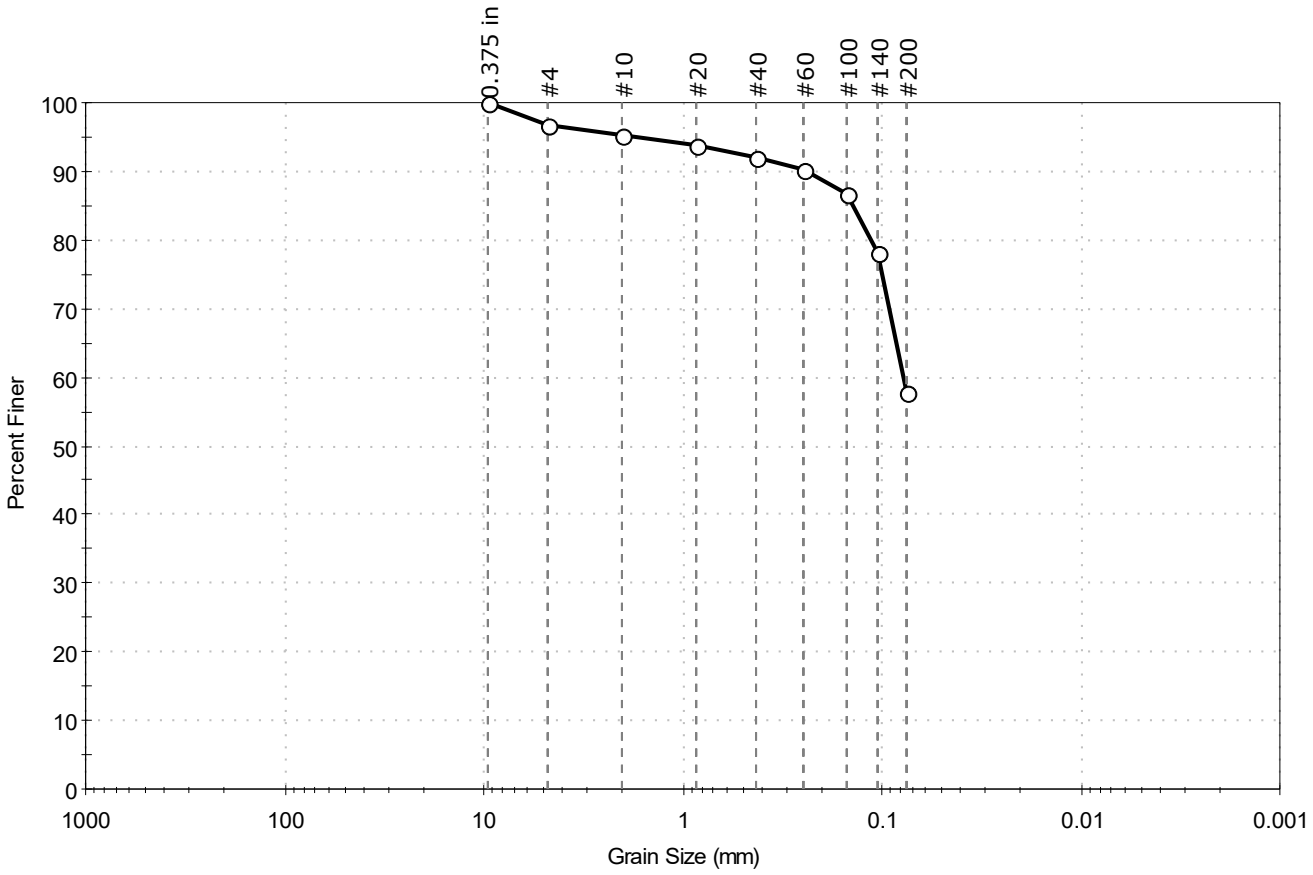
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-019	Test Date:	12/30/23	Checked By:	ank
Depth :	2-3'	Test Id:	752018		
Test Comment:	---				
Visual Description:	Moist, brown sandy silt				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	3.4	38.8	57.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	97		
#10	2.00	95		
#20	0.85	94		
#40	0.42	92		
#60	0.25	90		
#100	0.15	87		
#140	0.11	78		
#200	0.075	58		

Coefficients

D_{85} = 0.1398 mm D_{30} = N/A

D_{60} = 0.0778 mm D_{15} = N/A

D_{50} = N/A D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

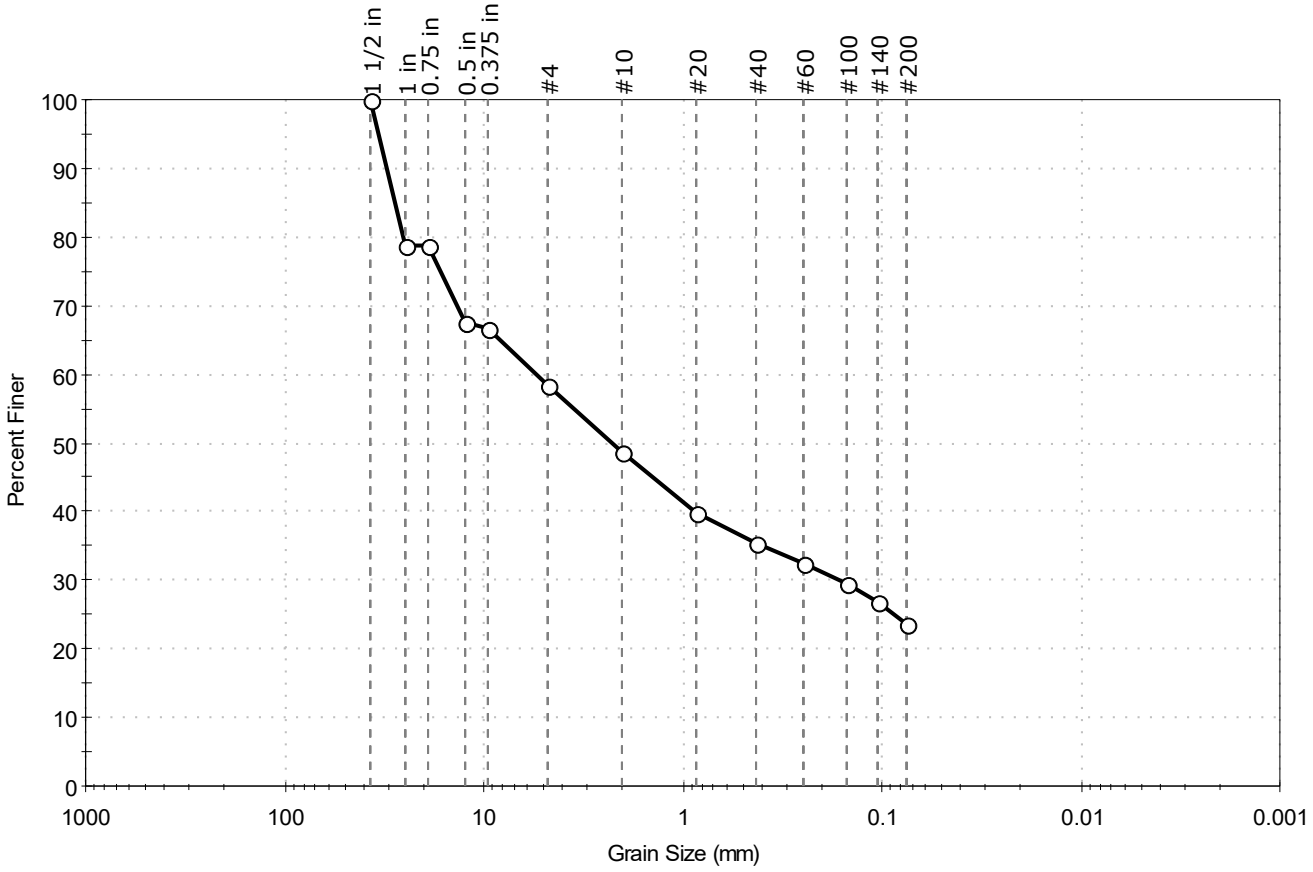
Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-020	Test Date:	12/30/23	Checked By:	ank
Depth :	4-5'	Test Id:	752019		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	41.6	34.7	23.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
1 1/2 in	37.50	100		
1 in	25.00	79		
0.75 in	19.00	79		
0.5 in	12.50	68		
0.375 in	9.50	67		
#4	4.75	58		
#10	2.00	49		
#20	0.85	40		
#40	0.42	35		
#60	0.25	33		
#100	0.15	29		
#140	0.11	27		
#200	0.075	24		

Coefficients

D_{85} = 28.2122 mm	D_{30} = 0.1653 mm
D_{60} = 5.4550 mm	D_{15} = N/A
D_{50} = 2.2518 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

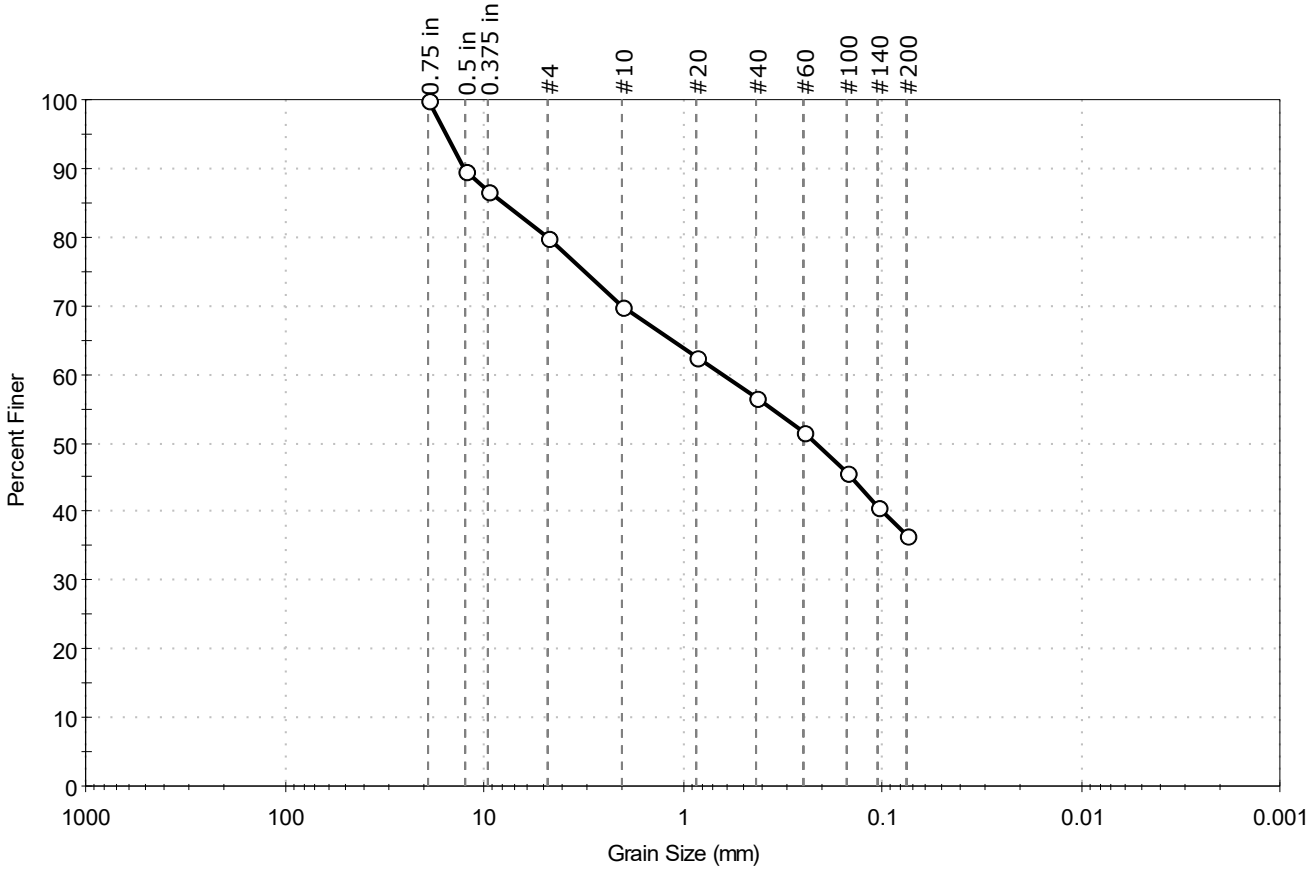
Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-021	Test Date:	12/30/23	Checked By:	ank
Depth :	13-14'	Test Id:	752020		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	19.9	43.5	36.6

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	90		
0.375 in	9.50	87		
#4	4.75	80		
#10	2.00	70		
#20	0.85	63		
#40	0.42	57		
#60	0.25	52		
#100	0.15	46		
#140	0.11	41		
#200	0.075	37		

Coefficients

D_{85} = 7.9196 mm D_{30} = N/A
D_{60} = 0.6310 mm D_{15} = N/A
D_{50} = 0.2153 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

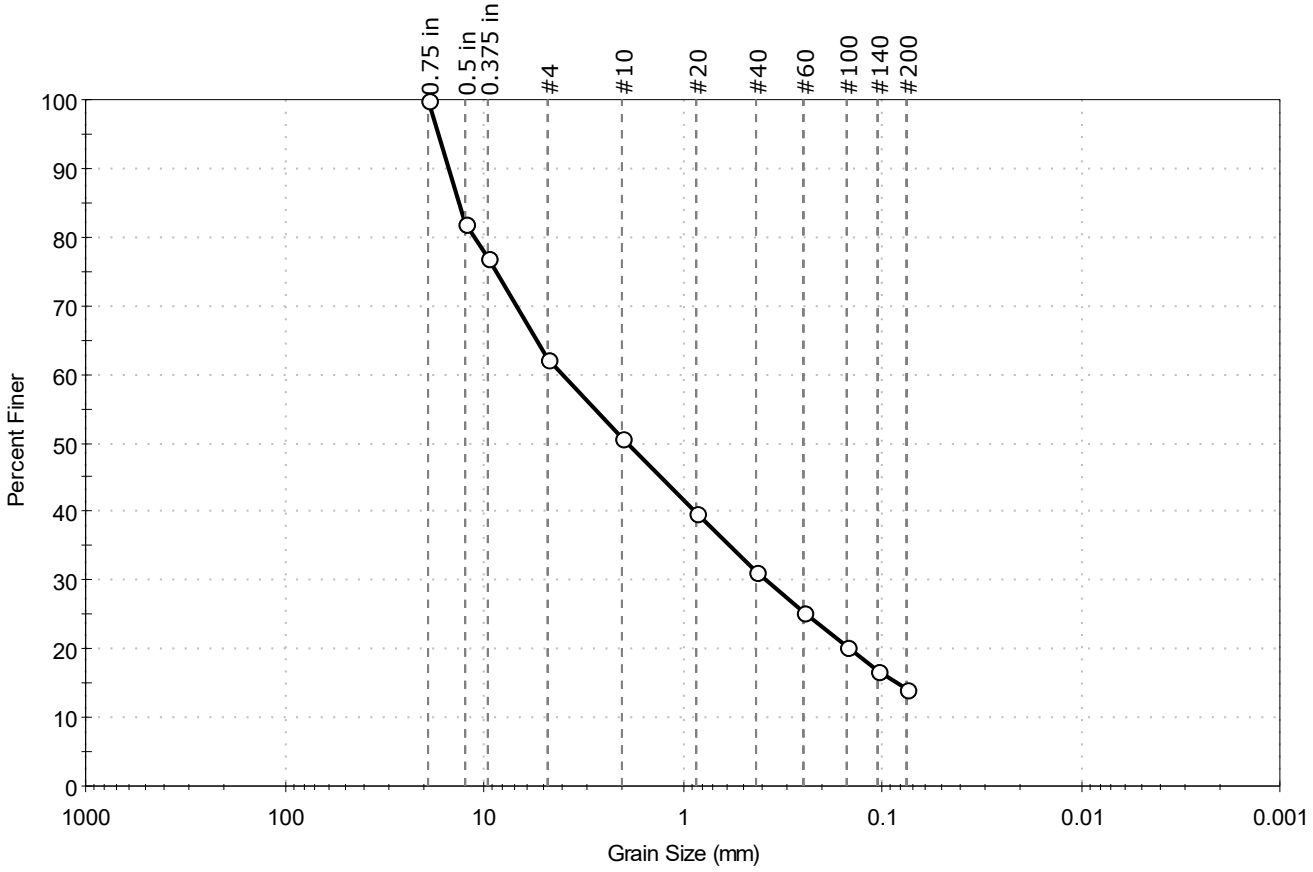
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-022	Test Date:	12/29/23	Checked By:	ank
Depth :	18-19'	Test Id:	752021		
Test Comment:	---				
Visual Description:	Moist, brown silty sand with gravel				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	37.6	48.2	14.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	82		
0.375 in	9.50	77		
#4	4.75	62		
#10	2.00	51		
#20	0.85	40		
#40	0.42	31		
#60	0.25	25		
#100	0.15	20		
#140	0.11	17		
#200	0.075	14		

Coefficients

D_{85} = 13.3708 mm	D_{30} = 0.3794 mm
D_{60} = 3.9907 mm	D_{15} = 0.0833 mm
D_{50} = 1.9041 mm	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Stone Fragments, Gravel and Sand (A-1-b (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

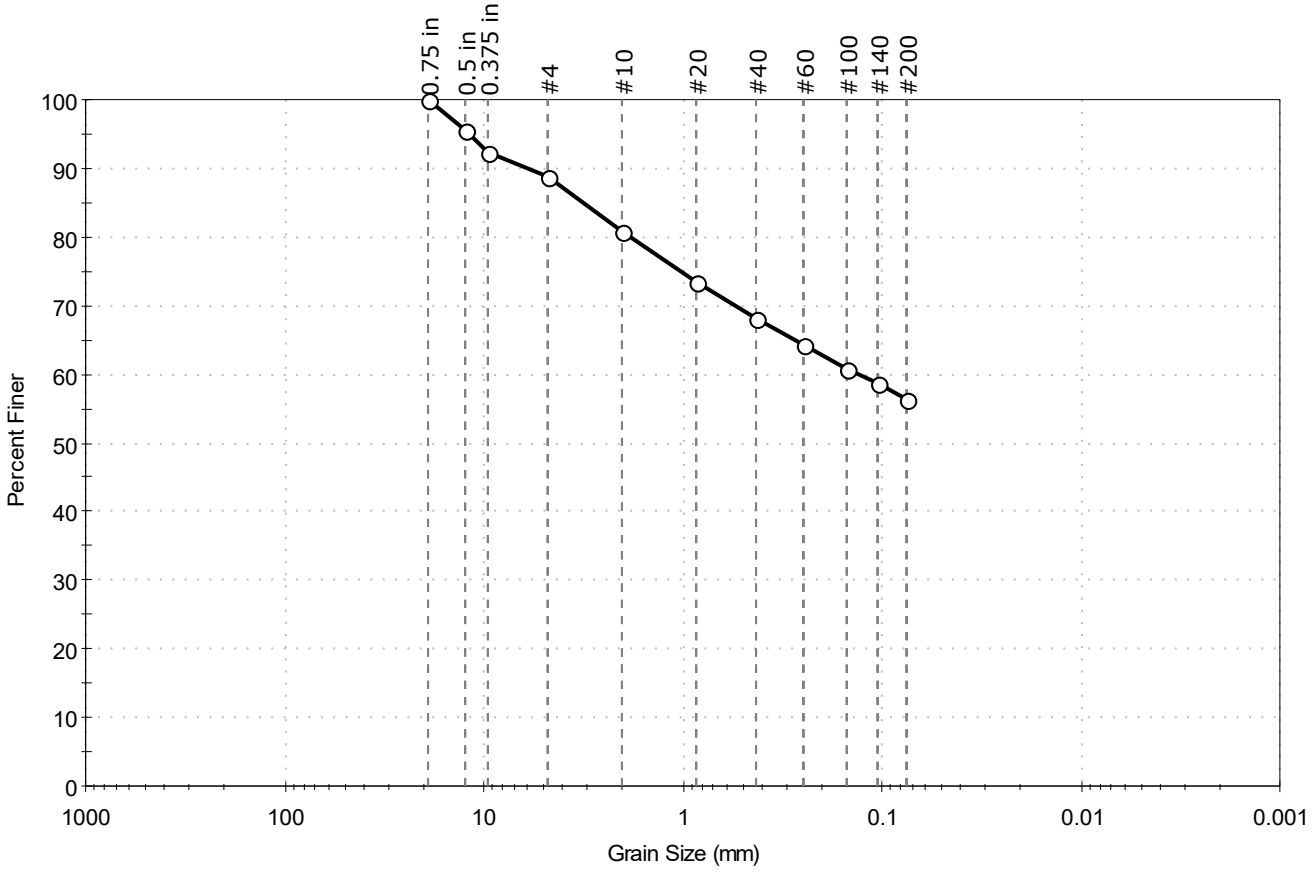
Sand/Gravel Hardness : HARD

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GeoTesting EXPRESS

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-023	Test Date:	12/29/23	Checked By:	ank
Depth :	10-11'	Test Id:	752022		
Test Comment:	---				
Visual Description:	Moist, brown sandy silty clay				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	11.1	32.6	56.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	96		
0.375 in	9.50	92		
#4	4.75	89		
#10	2.00	81		
#20	0.85	73		
#40	0.42	68		
#60	0.25	64		
#100	0.15	61		
#140	0.11	59		
#200	0.075	56		

Coefficients

D_{85} = 3.1076 mm	D_{30} = N/A
D_{60} = 0.1312 mm	D_{15} = N/A
D_{50} = N/A	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM Sandy Silty CLAY (CL-ML)

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

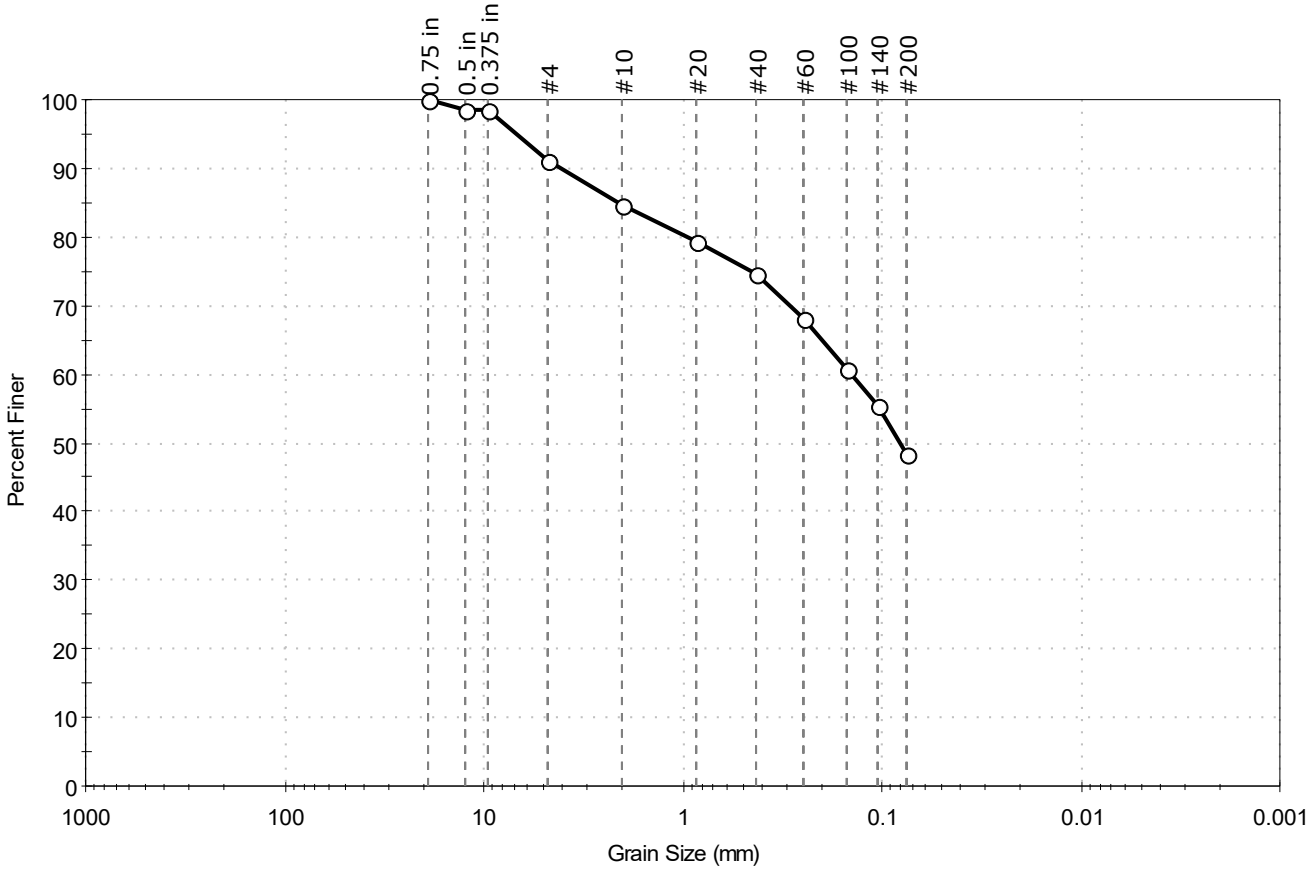
Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

GeoTesting EXPRESS

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-ONSO-026	Test Date:	12/30/23	Checked By:	ank
Depth :	7.5-9'	Test Id:	752023		
Test Comment:	---				
Visual Description:	Moist, brown clayey sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	8.9	42.6	48.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	99		
0.375 in	9.50	99		
#4	4.75	91		
#10	2.00	85		
#20	0.85	79		
#40	0.42	75		
#60	0.25	68		
#100	0.15	61		
#140	0.11	55		
#200	0.075	48		

Coefficients

D_{85} = 2.1300 mm D_{30} = N/A
D_{60} = 0.1427 mm D_{15} = N/A
D_{50} = 0.0810 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM Clayey SAND (SC)

AASHTO Clayey Soils (A-6 (3))

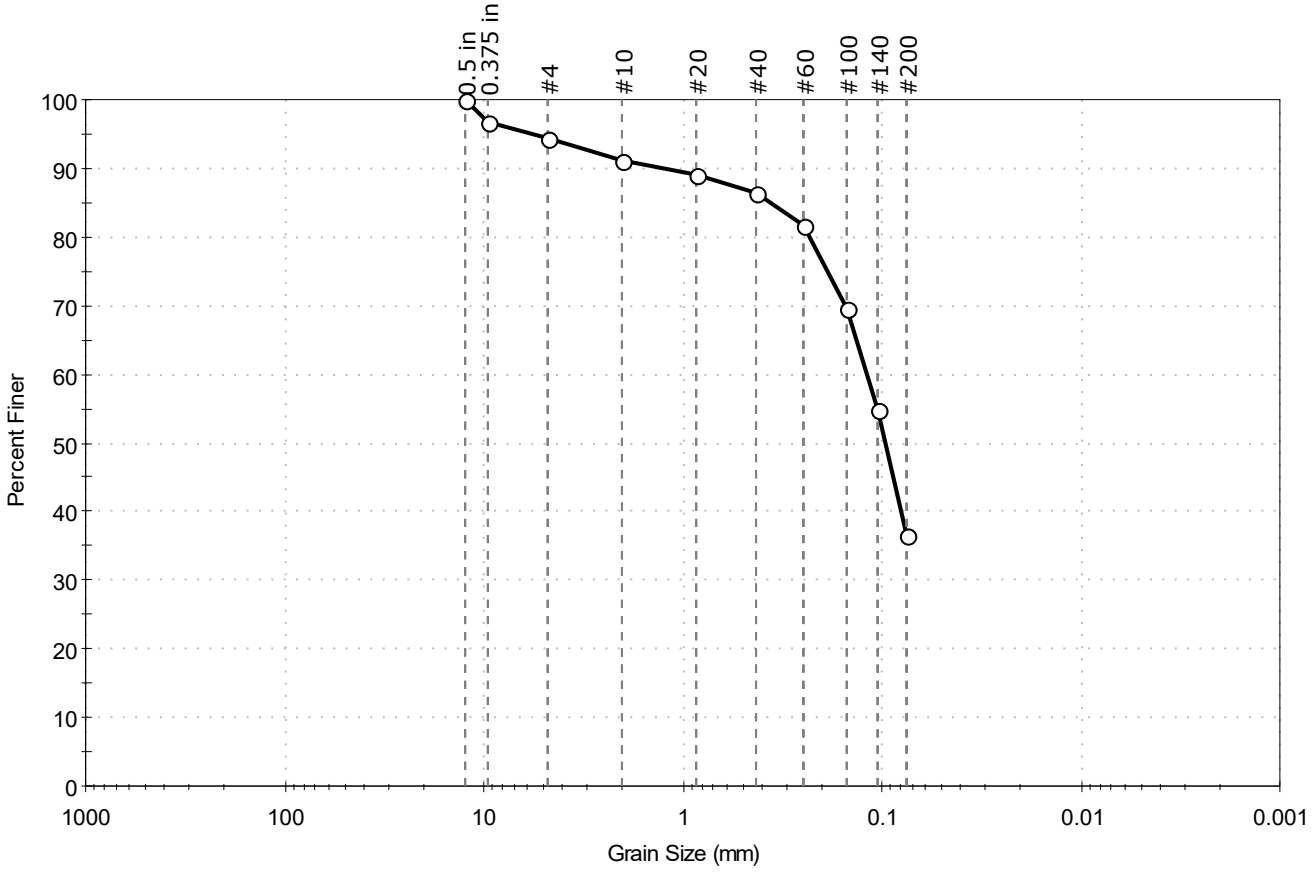
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-EW-03	Test Date:	12/30/23	Checked By:	ank
Depth :	9-10.5'	Test Id:	752024		
Test Comment:	---				
Visual Description:	Moist, brown silty sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	5.6	57.7	36.7

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	97		
#4	4.75	94		
#10	2.00	91		
#20	0.85	89		
#40	0.42	87		
#60	0.25	82		
#100	0.15	70		
#140	0.11	55		
#200	0.075	37		

Coefficients

D_{85} = 0.3574 mm D_{30} = N/A

D_{60} = 0.1198 mm D_{15} = N/A

D_{50} = 0.0967 mm D_{10} = N/A

C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

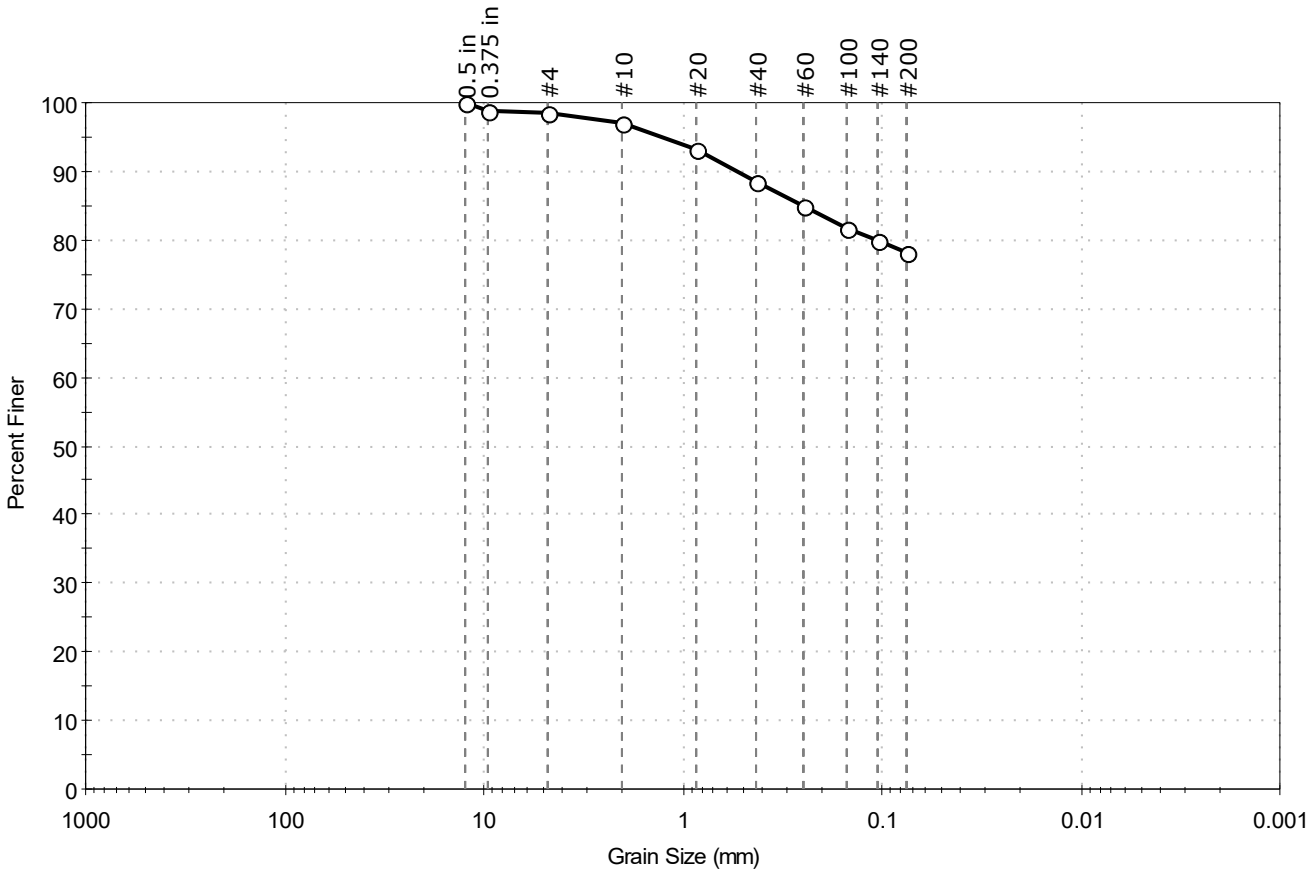
Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	ckg
Sample ID:	PDI-EW-03	Test Date:	12/30/23	Checked By:	ank
Depth :	21-23'	Test Id:	752025		
Test Comment:	---				
Visual Description:	Moist, gray silt with sand				
Sample Comment:	---				

Particle Size Analysis - ASTM D6913



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	1.5	20.3	78.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.5 in	12.50	100		
0.375 in	9.50	99		
#4	4.75	98		
#10	2.00	97		
#20	0.85	93		
#40	0.42	89		
#60	0.25	85		
#100	0.15	82		
#140	0.11	80		
#200	0.075	78		

Coefficients

D_{85} = 0.2563 mm D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	cam
Sample ID:	PDI-ONSO-016	Test Date:	01/08/24	Checked By:	ank
Depth :	9-11'	Test Id:	752065		
Test Comment:	---				
Visual Description:	Moist, dark brown silty sand with gravel				
Sample Comment:	---				

Atterberg Limits - ASTM D4318

Sample Determined to be non-plastic

Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	PDI-ONSO-016	---	9-11'	18	n/a	n/a	n/a	n/a	Silty SAND with Gravel (SM)

38% Retained on #40 Sieve

Dry Strength: LOW

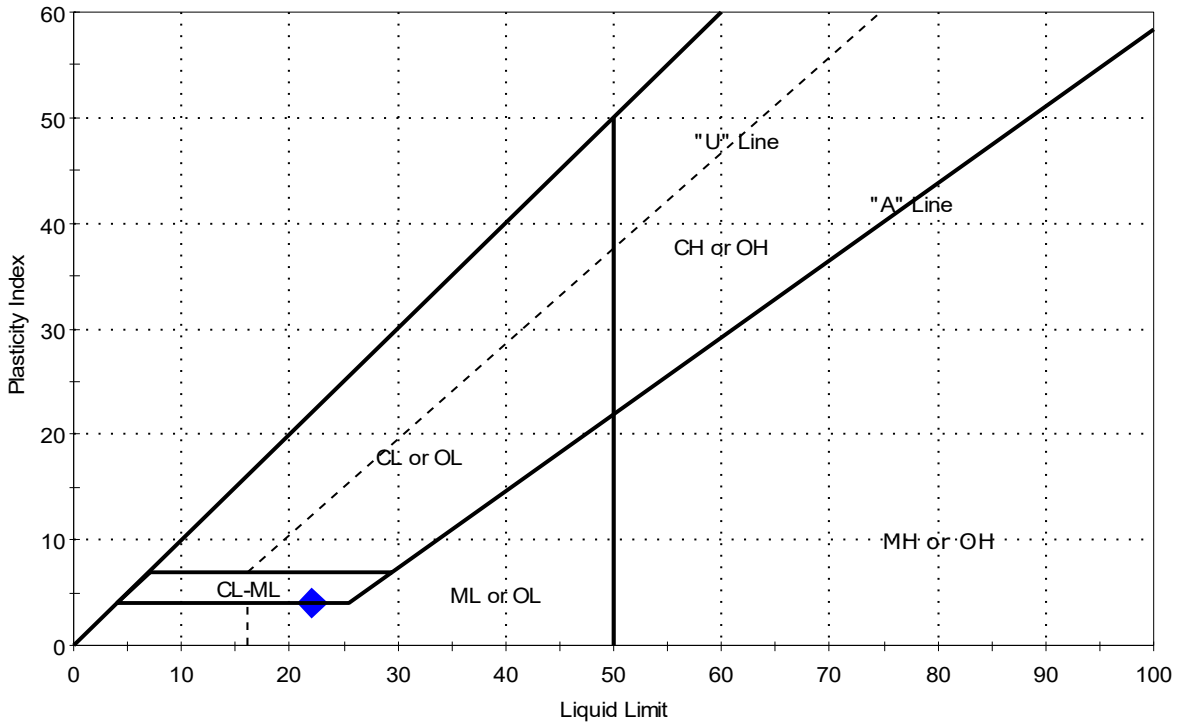
Dilatancy: RAPID

Toughness: n/a

The sample was determined to be Non-Plastic

Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	cam
Sample ID:	PDI-ONSO-023	Test Date:	01/08/24	Checked By:	ank
Depth :	10-11'	Test Id:	752071		
Test Comment:	---				
Visual Description:	Moist, brown sandy silty clay				
Sample Comment:	---				

Atterberg Limits - ASTM D4318



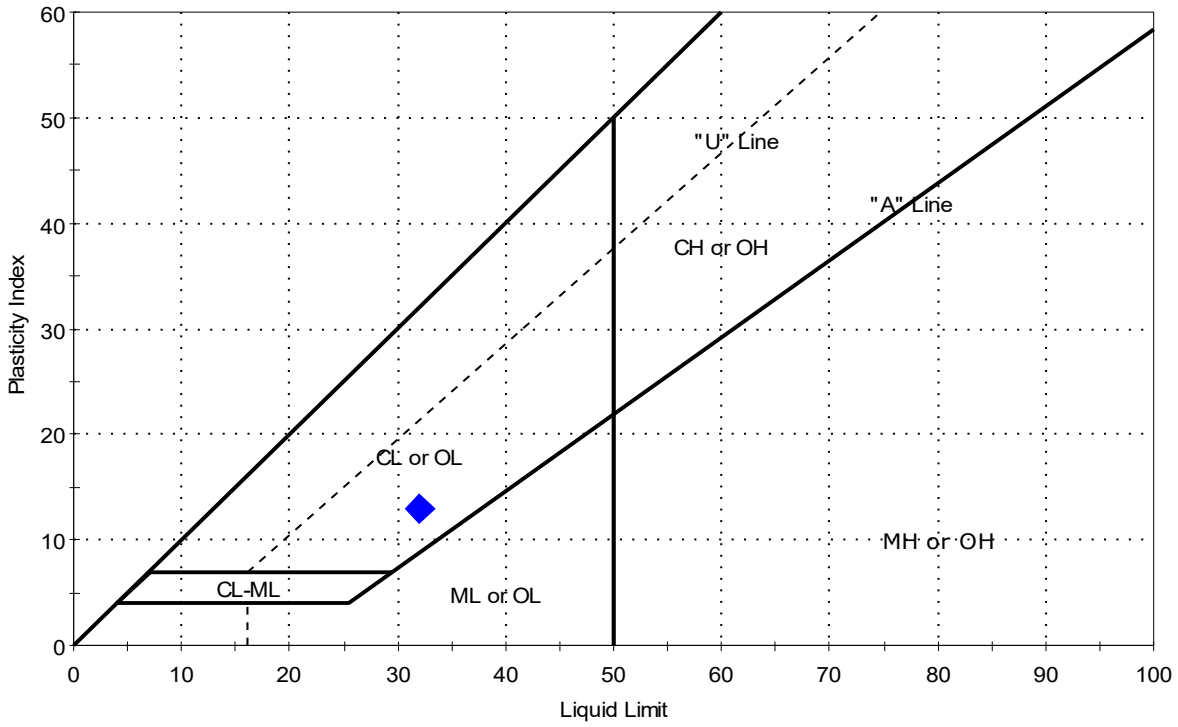
Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	PDI-ONSO-023	---	10-11'	14	22	18	4	-0.9	Sandy Silty CLAY (CL-ML)

Sample Prepared using the WET method
32% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilatancy: SLOW
Toughness: LOW

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Client:	Parsons Corporation				
Project:	East Station				
Location:	Rochester, NY			Project No:	GTX-318357
Boring ID:	---	Sample Type:	bag	Tested By:	cam
Sample ID:	PDI-ONSO-026	Test Date:	01/08/24	Checked By:	ank
Depth :	7.5-9'	Test Id:	752072		
Test Comment:	---				
Visual Description:	Moist, brown clayey sand				
Sample Comment:	---				

Atterberg Limits - ASTM D4318



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
◆	PDI-ONSO-026	---	7.5-9'	20	32	19	13	0	Clayey SAND (SC)

Sample Prepared using the WET method
25% Retained on #40 Sieve
Dry Strength: VERY HIGH
Dilatancy: SLOW
Toughness: LOW

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Laboratory Information		Section B Client Information	
Lab Name:	Geotesting Express	Company:	Parsons
Attention:	Joe Tomei	Attention:	Sara Weishaupt
Address:	125 Nagog Park Acton, MA 01720	Address:	301 Plainfield Road, Suite 350 Syracuse, NY 13212
Phone:	978-505-1962	Phone:	315-748-8498
Email:	jtomei@geotesting.com	Email:	sara.weishaupt@parsons.com

Section C Deliverable Requirements	
Report To:	sara.weishaupt@parsons.com, anne.burnham@parsons.com
Copy To:	Laura.Drachenberg@parsons.com;
Deliverables:	Report

Purchase Order No:

TAT - Standard

Section D Additional Information

COC #:	SEDGeotech-12___2023
Project Name:	East Station
	Page 1 of 1
Project Number:	453580

Preservative codes (for water only):

	Location ID	Start Depth (in)	End Depth (in)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Matrix	Sample Type	# of Cont.	MS/MSD	Composite (Y/N)	Grain Size											
									#Bottles														
1	PDI-SED-005	0	16	PDI-SED-005-0-16	10.23.23	1615	SED	N	1		N	X											
2	PDI-SED-006	0	23	PDI-SED-006-0-23	10.23.23	1630	SED	N	1		N	X											
3	PDI-SED-008	0	22	PDI-SED-008-0-22	10.23.23	1640	SED	N	1		N	X											
4	PDI-SED-022	0	66	PDI-SED-022-0-66	10.24.23	1650	SED	N	1		N	X											
5	PDI-SED-023	0	18	PDI-SED-023-0-18	10.24.23	1610	SED	N	1		N	X											
6	PDI-SED-027	10	16	PDI-SED-027-10-16	10.24.23	1600	SED	N	1		N	X											
7	PDI-SED-028	0	33	PDI-SED-028-0-33	10.24.23	1515	SED	N	1		N	X											
8																							
9																							
10																							

Special Instructions:

Samples Name: SPowlson	Company: PAR	Relinquished By:	Company:	Cooler Temp.:	Custody Seals Intact: Yes ☐ No ☐
	Date/Time: 12/15/23 1100		Date/Time:	Rec'd on Ice: Yes ☐ No ☐	Samples Intact : Yes ☐ No ☐
Shipment Method:	Shipment Tracking No:	Accepted By:	Company: GTX	Cooler Temp.:	Custody Seals Intact: Yes ☐ No ☐
	Date/Time:		Date/Time: 12/18/23 10:25	Rec'd on Ice: Yes ☐ No ☐	Samples Intact: Yes ☐ No ☐

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (H3PO4):

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Laboratory Information		Section B Client Information		COC #:	SOGeotech-12___2023
Lab Name:	Geotesting Express	Company:	Parsons	Project Name:	East Station
Attention:	Joe Tomei	Attention:	Sara Weishaupt		Page 1 of 2
Address:	125 Nagog Park Acton, MA 01720	Address:	301 Plainfield Road, Suite 350 Syracuse, NY 13212	Project Number:	453580
Phone:	978-505-1962	Phone:	315-748-8498		
Email:	jtomei@geotesting.com	Email:	sara.weishaupt@parsons.com		

Section C Deliverable Requirements		Purchase Order No:
Report To:	sara.weishaupt@parsons.com, anne.burnham@parsons.com	TAT - Standard
Copy To:	Laura.Drachenberg@parsons.com;	Section D Additional Information
Deliverables:	Report	

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Matrix	Sample Type	# of Cont.	MS/MSD	Composite (Y/N)	Preservative codes (for water only): Moisture Content	Grain Size	Atterberg Limits	Organic Content
									#Bottles						
1	PDI-ONSO-002	7	9	PDI-ONSO-002-07-09	10.23.23	1455	SO	N	1		N	X	X	X	X
2	PDI-ONSO-008	21	23	PDI-ONSO-008-21-23	10.11.23	1540	SO	N	1		N	X	X	X	X
3	PDI-ONSO-016	9	11	PDI-ONSO-016-09-11	10.18.23	1000	SO	N	1		N	X	X	X	X
4	PDI-ONSO-018	7	9	PDI-ONSO-018-07-09	10.16.23	1345	SO	N	1		N	X	X	X	X
5	PDI-ONSO-019	2	3	PDI-ONSO-019-02-03	9.27.23	845	SO	N	1		N	X	X	X	X
6	PDI-ONSO-020	4	5	PDI-ONSO-020-04-05	9.28.23	1100	SO	N	1		N	X	X	X	X
7	PDI-ONSO-021	13	14	PDI-ONSO-021-13-14	10.3.23	930	SO	N	1		N	X	X	X	X
8	PDI-ONSO-022	18	19	PDI-ONSO-022-18-19	9.28.23	1410	SO	N	1		N	X	X	X	X
9	PDI-ONSO-023	10	11	PDI-ONSO-023-10-11	10.2.23	1300	SO	N	1		N	X	X	X	X
10	PDI-ONSO-026	7.5	9	PDI-ONSO-026-07.5-9	10.4.23	1400	SO	N	1		N	X	X	X	X

Special Instructions:
DO NOT ANALYZE FOR ATTERBERG LIMITS OR ORGANIC CONTENT YET; FINAL DETERMINATION FOR THESE ANLYSIS WILL BE PROVIDED BY PARSONS.

Sampler's Name:	Company: PARS	Relinquished By:	Company:	Cooler Temp.:	Custody Seals Intact: Yes ☐ No ☐	
	Date/Time: 12/15/23 1111:00		Date/Time:	Rec'd on Ice: Yes ☐ No ☐	Samples Intact : Yes ☐ No ☐	
Shipment Method:	Shipment Tracking No:	Accepted By:	Company: GTX	Cooler Temp.:	Custody Seals Intact: Yes ☐ No ☐	
	Date/Time:		Date/Time: 12/18/23 10:25	Rec'd on Ice: Yes ☐ No ☐	Samples Intact: Yes ☐ No ☐	

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (H3PO4):

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Laboratory Information

Lab Name: Geotesting Express
Attention: Joe Tomei
Address: 125 Nagog Park, Acton, MA 01720
Phone: 978-505-1962
Email: jtomei@geotesting.com

Section B Client Information

Company: Parsons
Attention: Sara Weishaupt
Address: 301 Plainfield Road, Suite 350, Syracuse, NY 13212
Phone: 315-748-8498
Email: sara.weishaupt@parsons.com

COC #: SOGeotech-12___2023
Project Name: East Station
Page 2 of 2
Project Number: 453580

Section C Deliverable Requirements

Report To: sara.weishaupt@parsons.com, anne.burnham@parsons.com
Copy To: Laura.Drachenberg@parsons.com; kristin.brooks@parsons.com
Deliverables: Report

Purchase Order No:
TAT - Standard

Section D Additional Information

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Matrix	Sample Type	# of Cont.	MS/MSD	Composite (Y/N)	Preservative codes (for water only): Moisture Content	Grain Size	Atterberg Limits	Organic Content
									#Bottles						
11	PDI-EW-03	9	10.5	PDI-EW-03-09-10.5	NA	1035	SO	N	1		N	X	X	X	X
12	PDI-EW-03	21	23	PDI-EW-03-21-23	NA	1205	SO	N	1		N	X	X	X	X
13															
14															
15															
16															
17															
18															
19															
20															

Special Instructions:
DO NOT ANALYZE FOR ATTERBERG LIMITS OR ORGANIC CONTENT YET; FINAL DETERMINATION FOR THESE ANLYSIS WILL BE PROVIDED BY PARSONS.

Samplers Name: J Poulos	Company: NAR	Relinquished By:	Company:	Cooler Temp.:	Custody Seals Intact: Yes ☐ No ☐
	Date/Time: 12/15/23 1100		Date/Time:	Rec'd on Ice: Yes ☐ No ☐	Samples Intact : Yes ☐ No ☐
Shipment Method:	Shipment Tracking No:	Accepted By:	Company: GTX	Cooler Temp.:	Custody Seals Intact: Yes ☐ No ☐
	Date/Time:		Date/Time: 12/18/23 10:25	Rec'd on Ice: Yes ☐ No ☐	Samples Intact: Yes ☐ No ☐

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (H3PO4):

GeoTesting EXPRESS

WARRANTY and LIABILITY

GeoTesting Express (GTX) warrants that all tests it performs are run in general accordance with the specified test procedures and accepted industry practice. GTX will correct or repeat any test that does not comply with this warranty. GTX has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

GTX may report engineering parameters that require us to interpret the test data. Such parameters are determined using accepted engineering procedures. However, GTX does not warrant that these parameters accurately reflect the true engineering properties of the *in situ* material. Responsibility for interpretation and use of the test data and these parameters for engineering and/or construction purposes rests solely with the user and not with GTX or any of its employees.

GTX's liability will be limited to correcting or repeating a test which fails our warranty. GTX's liability for damages to the Purchaser of testing services for any cause whatsoever shall be limited to the amount GTX received for the testing services. GTX will not be liable for any damages, or for any lost benefits or other consequential damages resulting from the use of these test results, even if GTX has been advised of the possibility of such damages. GTX will not be responsible for any liability of the Purchaser to any third party.

Commonly Used Symbols

A	pore pressure parameter for $\Delta\sigma_1 - \Delta\sigma_3$
B	pore pressure parameter for $\Delta\sigma_3$
CAI	CERCHAR Abrasiveness Index
CIU	isotropically consolidated undrained triaxial shear test
CR	compression ratio for one dimensional consolidation
CSR	cyclic stress ratio
C_c	coefficient of curvature, $(D_{30})^2 / (D_{10} \times D_{60})$
C_u	coefficient of uniformity, D_{60}/D_{10}
C_c	compression index for one dimensional consolidation
C_α	coefficient of secondary compression
c_v	coefficient of consolidation
c	cohesion intercept for total stresses
c'	cohesion intercept for effective stresses
D	diameter of specimen
D	damping ratio
D_{10}	diameter at which 10% of soil is finer
D_{15}	diameter at which 15% of soil is finer
D_{30}	diameter at which 30% of soil is finer
D_{50}	diameter at which 50% of soil is finer
D_{60}	diameter at which 60% of soil is finer
D_{85}	diameter at which 85% of soil is finer
d_{50}	displacement for 50% consolidation
d_{90}	displacement for 90% consolidation
d_{100}	displacement for 100% consolidation
E	Young's modulus
e	void ratio
e_c	void ratio after consolidation
e_o	initial void ratio
G	shear modulus
G_s	specific gravity of soil particles
H	height of specimen
H_R	Rebound Hardness number
i	gradient
I_S	Uncorrected point load strength
$I_{S(50)}$	Size corrected point load strength index
H_A	Modified Taber Abrasion
H_T	Total hardness
K_o	lateral stress ratio for one dimensional strain
k	permeability
LI	Liquidity Index
m_v	coefficient of volume change
n	porosity
PI	plasticity index
P_c	preconsolidation pressure
p	$(\sigma_1 + \sigma_3) / 2$, $(\sigma_v + \sigma_h) / 2$
p'	$(\sigma'_1 + \sigma'_3) / 2$, $(\sigma'_v + \sigma'_h) / 2$
p'_c	p' at consolidation
Q	quantity of flow
q	$(\sigma_1 - \sigma_3) / 2$
q_f	q at failure
q_o, q_i	initial q
q_c	q at consolidation
S_r	Post cyclic undrained shear strength
T	temperature
t	time
U, UC	unconfined compression test
UU, Q	unconsolidated undrained triaxial test
u_a	pore gas pressure
u_e	excess pore water pressure
u, u_w	pore water pressure
V	total volume
V_g	volume of gas
V_s	volume of solids
V_s	shear wave velocity
V_v	volume of voids
V_w	volume of water
V_o	initial volume
v	velocity
W	total weight
W_s	weight of solids
W_w	weight of water
w	water content
w_c	water content at consolidation
w_f	final water content
w_l	liquid limit
w_n	natural water content
w_p	plastic limit
w_s	shrinkage limit
w_o, w_i	initial water content
α	slope of q_f versus p_f
α'	slope of q_f versus p_f'
γ_t	total unit weight
γ_d	dry unit weight
γ_s	unit weight of solids
γ_w	unit weight of water
ε	strain
ε_{vol}	volume strain
ε_h, ε_v	horizontal strain, vertical strain
μ	Poisson's ratio, also viscosity
σ	normal stress
σ'	effective normal stress
σ_c, σ'_c	consolidation stress in isotropic stress system
σ_h, σ'_h	horizontal normal stress
σ_v, σ'_v	vertical normal stress
σ'_{vc}	Effective vertical consolidation stress
σ_1	major principal stress
σ_2	intermediate principal stress
σ_3	minor principal stress
τ	shear stress
φ	friction angle based on total stresses
φ'	friction angle based on effective stresses
φ'_r	residual friction angle
φ_{ult}	φ for ultimate strength

APPENDIX H DATA USABILITY SUMMARY REPORT (DUSR)

DATA USABILITY SUMMARY REPORT

PRE-DESIGN INVESTIGATION SAMPLING

EAST STATION FORMER MGP SITE – 828204

Prepared For:

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MAY 2024

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LIST OF ATTACHMENTS

ATTACHMENT A – VALIDATED LABORATORY DATA

Attachment A-1 Validated Laboratory Data for Soil and Sediment Samples

Attachment A-2 Validated Laboratory Data for Groundwater Samples

SECTION 1 DATA USABILITY SUMMARY

Soil, sediment, and groundwater samples were collected from the Former East Station MGP site on September 27, 2023 through January 10, 2024. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Project Work Plan,
- USEPA analytical methodologies,
- *National Functional Guidelines for Organic Superfund Methods Data Review*, USEPA 540-R-20-005, November 2020;
- *National Functional Guidelines for Inorganic Superfund Methods Data Review*, USEPA 542-R-20-006, November 2020;
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review, and
- *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated April 2023.

The analytical laboratory for this project was Eurofins – Environment Testing (Eurofins). This laboratory is certified to perform project analyses through the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

1.1 Laboratory Data Packages

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 13-78 days for the project samples. The data packages received from the laboratory were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized in Section 2.

1.2 Sampling and Chain-of-Custody

The samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at the laboratory within one to two days of sampling. All samples were received intact and in good condition at the laboratory.

1.3 Laboratory Analytical Methods

The soil samples that were collected from the site were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), 1,4-dioxane, per- and polyfluoroalkyl substances (PFAS), metals, hexavalent chromium, and cyanide. The sediment samples that were collected from the site were analyzed for SVOCs. The groundwater samples that were collected from the site were analyzed for VOCs, SVOCs, 1,4-dioxane, methane, ethane, ethene, PFAS, metals, nitrate, nitrite, nitrate-nitrite, oil and grease, sulfate, and TOC. Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.6. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are discussed in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,
"UJ" - estimated and not detected at the value given,
"J" - estimated at the value given,
"J+" - estimated biased high at the value given,
"J-" - estimated biased low at the value given,
"N" - presumptive evidence at the value given, and
"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

The project samples were analyzed for VOCs using the USEPA SW-846 8260C analytical methods. Certain reported results for these samples were qualified as estimated based upon matrix spike/matrix spike duplicate (MS/MSD) recoveries, laboratory control sample (LCS) recoveries, instrument calibrations, and field duplicate precision; and qualified as not detected based upon blank contamination. The reported VOC analytical results were 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.2 Semivolatile Organic Analysis

The project samples were analyzed for SVOCs including 1,4-dioxane using the USEPA SW-846 8270D/8270D SIM analytical method. Certain reported results for these samples were qualified as estimated based upon surrogate recoveries, MS/MSD recoveries, LCS recoveries, instrument calibrations, and field duplicate precision; and qualified as not detected based upon blank contamination. The reported SVOC analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.3 Methane, Ethane, and Ethene (MEE) Organic Analysis

The groundwater samples were analyzed for MEE using the USEPA approved SOP RSK-175 analytical method. The reported results for these samples did not require qualification resulting from data validation. The reported MEE analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.4 PFAS Organic Analysis

The project samples were analyzed for PFAS using the draft USEPA 1633 analytical method. Certain reported results for these samples were qualified as estimated based upon surrogate recoveries, instrument calibrations, and sample result identifications; and qualified as not detected based upon blank contamination. The reported PFAS analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.5 Inorganic Analysis

The project samples were analyzed for metals using the USEPA SW-846 6010C, 7470A, and 7471B analytical methods. Additionally, soil samples were analyzed for cyanide and hexavalent chromium using USEPA SW-846 9012B and 7196A analytical methods, respectively. Certain reported results for these samples were qualified

as estimated based upon holding times, MS/MSD recoveries, LCS recoveries, instrument calibrations, laboratory duplicate precision, serial dilutions, field duplicate precision, and percent solids content; and qualified as not detected based upon blank contamination. The reported inorganic analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

1.3.6 General Chemistry Analysis

The groundwater samples were analyzed for nitrate, nitrite, and nitrate-nitrite using the USEPA 353.2 analytical method; oil and grease using the USEPA 1664B analytical method; sulfate using the USEPA 300.0 analytical method; and TOC using USEPA SW-846 9060A analytical method. Certain reported results for these samples were qualified as estimated based upon MS/MSD recoveries, LCS recoveries, and instrument calibrations; and qualified as not detected based upon blank contamination. The reported general chemistry analytical results were considered 100% complete (i.e., usable) for the project data presented by the laboratory. PARCCS requirements were met.

SECTION 2 DATA VALIDATION REPORT

2.1 SOIL AND SEDIMENT SAMPLES

Data review has been completed for data packages containing soil and sediment samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) 480-213146-1, 480-213233-1, 480-213321-1, 480-213437-1, 480-213446-1, 480-213472-1, 480-213599-1, 480-213681-1, 480-213683-1, 480-213794-1, 480-213887-1, 480-213923-1, 480-214002-1, 480-214067-1, 480-214160-1, 480-214162-1, 480-214187-1, 480-214233-1, 480-214238-1, 480-214287-1, 480-214310-1, 480-214400-1, 480-214459-1, 480-214516-1, 480-214534-1, 480-214615-1, 480-214665-1, 480-214720-1, 480-214721-1, 480-214778-1, 480-214861-1, 480-214915-1, and 480-215007-1. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the most current editions of the USEPA National Functional Guidelines for organic and inorganic data review, the USEPA Region II SOPs for organic and inorganic data review, analytical methodologies, and the *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated April 2023. The validated laboratory data are presented in Attachment A-1. Certain samples may have required dilution prior to analysis based upon sample matrix, color of extract, or large concentrations of target or non-target analytes. This data validation and usability report is presented by analysis type.

2.1.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and QC equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times, MS/MSD precision and accuracy, LCS recoveries, blank contamination, continuing calibrations, and field duplicate precision as discussed below.

Holding Times

It was noted that samples with lab IDs 480-213233-1, 480-213321-1, -2, 480-213437-1, -2, and 480-214233-1 exceeded the 48-hour holding time to preserve via freezing by one to seven hours. Validation action was not taken for the affected samples since samples were received at appropriate temperatures and analytical holding times were within criteria.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable, within QC limits, and did not require qualification for designated spiked project samples with the exception of the low MS/MSD accuracy results for dichlorodifluoromethane during the spiked analyses of sample PDI-ONSO-028-11-13; the many low MS/MSD accuracy results during the spiked analyses of samples PDI-ONSO-002-9-11, PDI-ONSO-009-1-5, and PDI-ONSO-001-9-11; the high MS/MSD accuracy results for isopropylbenzene during the spiked analyses of sample PDI-ONSO-009-18.5-19.5; and the many high MS/MSD accuracy results during the spiked analyses of samples PDI-OFFSO-010-13-15 and PDI-OFFSO-016-23-24.1. Therefore, positive results for those compounds where MS/MSD recoveries exceeded the QC limits were considered estimated and qualified "J" for the affected parent samples. Results for those compounds where MS/MSD recoveries fell below the QC limits were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected parent samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the LCS recoveries for cyclohexane (125%R; QC limit 65-120%R) associated with samples with lab IDs 480-214160-1 and -2; methyl acetate (69%R; QC limit 71-123%R) associated with sample with lab ID 480-214238-5 and samples in SDG 480-214233-1 except sample with lab ID 480-214233-1; chloromethane (132%R, 129%R; QC limit 63-127%R) and cyclohexane (123%R, 126%R; QC limit 65-120%R) associated with samples with lab IDs 480-214400-1, -2, -4, -5, 480-214459-3, -4, -5, 480-214534-1, -4, and -5; 1,1,2,2-tetrachloroethane (75%R; QC limit 76-120%R) associated with sample with lab ID 480-214459-1; cyclohexane (124%R; QC limit 65-120%R) and isopropylbenzene (128%R; QC limit 72-120%R) associated with samples with lab IDs 480-214778-1 and -3; and isopropylbenzene (122%R; QC limit 72-120%R) associated with sample with lab ID 480-214861-1. Therefore, positive results for those compounds where LCS recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J+" for the affected samples. Results for those compounds where LCS recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples.

Blank Contamination

The laboratory method blank associated with samples with lab IDs 480-214615-1, -5, and -8 contained methylene chloride below the reporting limit at a concentration of 4.15 µg/L; and the QC equipment blank associated with samples in SDG 480-214665-1 contained toluene below the reporting limit at a concentration of 0.51 µg/L. Therefore, results for these compounds less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and maximum percent differences (%Ds) within ±20% with the exception of vinyl chloride (20.7%D), trichlorofluoromethane (36.6%D), 1,1,2-trichloro-1,2,2-fluoroethane (23.2%D), 1,1-dichloroethene (23.0%D), trans-1,2-dichloroethene (24.3%D), 1,1,1-trichloroethane (35.9%D), carbon tetrachloride (52.8%D), trichloroethene (20.6%D), and methylcyclohexane (28.1%D) in the continuing calibration associated with sample with lab ID 480-213233-1; trichlorofluoromethane (29.6%D), 1,1,1-trichloroethane (20.9%D), carbon tetrachloride (36.9%D), and 1,1,2,2-tetrachloroethane (-21.3%D) in the continuing calibration associated with samples with lab IDs 480-213321-1 and -2; chloromethane (20.5%D), vinyl chloride (21.7%D), trichlorofluoromethane (25.7%D), 1,1,2-trichloro-1,2,2-trifluoroethane (22.4%D), and isopropylbenzene (20.3%D) in the continuing calibration associated with samples with lab IDs 480-213437-1, -2, -6, and -7; isopropylbenzene (21.7%D, 23.3%D, 23.4%D, 21.6%D, 23.0%D, 23.8%D) in the continuing calibrations associated with samples with lab IDs 480-213446-3, -8, 480-214002-1, -2, -3, -6, 480-214720-1, -3, -6, 480-

214721-1, -2, -4, -6, and soil samples in SDGs 480-213599-1, 480-213681-1, and 480-213683-1; 2-hexanone (-22.5%D) in the continuing calibration associated with sample with lab ID 480-213681-1; vinyl chloride (21.2%D, 25.0%D), trichlorofluoromethane (27.6%D, 28.2%D), 1,1,2-trichloro-1,2,2-trifluoroethane (23.2%D, 25.3%D), cyclohexane (25.4%D, 28.1%D), and methylcyclohexane (21.9%D, 21.0%D) in the continuing calibrations associated with samples with lab IDs 480-214002-4 and -5 and with samples in SDG 480-214067-1; chloromethane (26.8%D, 38.1%D), vinyl chloride (31.9%D, 35.7%D), trichlorofluoromethane (30.5%D, 30.3%D), 1,1,2-trichloro-1,2,2-trifluoroethane (25.6%D, 26.0%D), cyclohexane (36.9%D, 34.4%D), and methylcyclohexane (28.4%D, 24.4%D) in the continuing calibrations associated with samples with lab IDs 480-214160-1, -2, 480-214615-1, -5, and -8; tetrachloroethene (20.1%D) and isopropylbenzene (20.4%D) in the continuing calibration associated with samples in SDG 480-214160-1 except for samples with lab IDs 480-214160-1 and -2; chloromethane (26.6%D), vinyl chloride (32.0%D), trichlorofluoromethane (25.5%D), cyclohexane (28.4%D), and methylcyclohexane (20.5%D) in the continuing calibration associated with samples with lab IDs 480-214233-1, 480-214287-3, 480-214310-4, and samples in SDG 480-214238-1 except sample with lab ID 480-214238-5; 1,1,1-trichloroethane (21.0%D), carbon tetrachloride (25.2%D), and styrene (20.1%D) in the continuing calibration associated with samples with lab IDs 480-214287-2, 480-214400-3, -6, -7, 480-214459-2, -6, -7, 480-214534-2, -3, -6, -7, and samples in SDG 480-214516-1; chloromethane (51.0%D, 36.2%D), vinyl chloride (36.7%D, 28.8%D), trichlorofluoromethane (28.4%D, 23.5%D), 1,1,2-trichloro-1,2,2-trifluoroethane (34.4%D, 23.9%D), 2-butanone (20.6%D, 22.9%D), cyclohexane (35.1%D, 33.0%D), and methylcyclohexane (22.0%D, 24.8%D) in the continuing calibrations associated with samples with lab IDs 480-214400-1, -2, -4, -5, 480-214459-3, -4, -5, 480-214534-1, -4, and -5; 1,1,2-trichloro-1,2,2-trifluoroethane (20.8%D), trans-1,2-dichloroethene (21.9%D), carbon tetrachloride (30.6%D), 4-methyl-2-pentanone (-21.5%D), and 2-hexanone (-20.6%D) in the continuing calibration associated with sample with lab ID 480-214459-1; vinyl chloride (22.1%D) and carbon tetrachloride (20.5%D) in the continuing calibration associated with samples with lab IDs 480-214615-2, -3, -4, and -7; carbon disulfide (-28.3%D) in the continuing calibration associated with samples with lab IDs 480-214720-2, -4, -5, 480-214721-3, and -5; 1,1-dichloroethene (-20.9%D) and carbon disulfide (-38.3%D) in the continuing calibration associated with samples with lab IDs 480-214778-2, 480-214861-2, -3, and -4; methyl tert-butyl ether (-23.6%D), 2-butanone (-30.4%D), and 1,2-dichloroethane (-22.9%D) in the continuing calibration associated with sample with lab ID 480-214861-1; chloromethane (22.7%D) in the continuing calibration associated with samples with lab IDs 480-214915-1, 480-215007-1, -2, and -4; chloroethane (-55.7%D), 1,1-dichloroethene (-32.5%D), carbon disulfide (-52.7%D), 1,1,2-trichloro-1,2,2-trifluoroethane (-32.3%D), methylene chloride (-25.8%D), methyl tert-butyl ether (-24.2%D), cyclohexane (-27.8%D), and methylcyclohexane (-23.4%D) in the continuing calibration associated with samples with lab IDs 480-214915-2, -3, and -4; and chloromethane (22.6%D), vinyl chloride (22.7%D), carbon tetrachloride (28.6%D), and 1,1,1,2-tetrachloroethane (21.1%D) in the continuing calibration associated with sample with lab ID 480-215007-3. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for methylcyclohexane (90%RPD) associated with the field duplicate pair with lab IDs 480-214160-4 and -5; and all positive results associated with the field duplicate pair with lab IDs 480-214534-1 and -2. Therefore, results for these compounds were considered estimated and qualified “J” for the affected parent sample and field duplicate.

Usability

All volatile soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile soil data presented by the laboratory were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-1.

2.1.2 Semivolatiles

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, blank contamination, initial and continuing calibrations, and field duplicate precision as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable, within QC limits, and did not require qualification with the exception of the low surrogate recoveries for 2-fluorophenol (QC limit 52-120%R), phenol-d5 (QC limit 54-120%R), and nitrobenzene-d5 (QC limit 53-120%R) in sample with lab ID 480-213599-2 (43%R, 49%R, and 45%R, respectively); and 2-fluorobiphenyl (QC limit 60-120%R), 2,4,6-tribromophenol (QC limit 54-120%R), and p-terphenyl-d14 (QC limit 79-130%R) in sample with lab ID 480-214721-6 (59%R, 42%R, and 76%R, respectively). Therefore, the acid fraction results which were nondetects were considered estimated and qualified "UJ" for sample with lab ID 480-213599-2. The base-neutral fraction results were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for sample with lab ID 480-214721-6.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable, within QC limits, and did not require qualification for designated spiked project samples with the exception of the low MS/MSD accuracy results for 1,4-dioxane, benzo(a)anthracene, and chrysene during the spiked analyses of sample PDI-ONSO-019-21-21.6; the low MS/MSD accuracy results for 1,4-dioxane, 4-chloroaniline, and benzaldehyde and the high MS/MSD accuracy results for benzo(b)fluoranthene, benzo(g,h,i)perylene, and dibenzofuran during the spiked analyses of sample PDI-ONSO-028-11-13; the low MS/MSD accuracy results for 2-chloronaphthalene, 2-chlorophenol, 2-methylphenol, atrazine, biphenyl, caprolactam, hexachlorocyclopentadiene, N-nitrosodi-n-propylamine, and phenol during the spiked analyses of sample PDI-ONSO-018-17-18; the low MS/MSD accuracy results for benzo(a)pyrene and pyrene during the spiked analyses of sample PDI-ONSO-002-9-11; the low MS/MSD accuracy results for 2,4-

dinitrotoluene, 2,6-dinitrotoluene, 2-nitroaniline, diethylphthalate, dimethylphthalate, 4-chlorophenylphenylether, and hexachlorocylcopentadiene during the spiked analyses of sample PDI-ONSO-009-18.5-19.5; the low MS/MSD accuracy results for fluoranthene, phenanthrene, and pyrene during the spiked analyses of sample PDI-SED-015-0-1; the low MS/MSD accuracy results for 2,4-dinitrophenol during the spiked analyses of sample PDI-ONSO-001-9-11; and the high MS/MSD accuracy results for phenanthrene, pyrene, and fluoranthene during the spiked analyses of sample PDI-OFFSO-016-23-24.1. Therefore, results for those compounds where MS/MSD recoveries fell below the QC limit were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected parent samples. Positive results for those compounds where MS/MSD recoveries exceeded the QC limit were considered estimated and qualified "J" for the affected parent samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the LCS recoveries for pentachlorophenol (128%R; QC limit 51-120%R) associated with samples in SDG 480-213146-1; 4-nitrophenol (136%R, 143%R; QC limit 45-120%R), atrazine (133%R; QC limit 71-130%R), and hexachlorobenzene (124%R; QC limit 61-120%R) associated with samples with lab IDs 480-213437-3, 480-213446-1, and 480-213472-1; and 4,6-dinitro-2-methylphenol (124%R; QC limit 49-122%R) and pentachlorophenol (121%R; QC limit 51-120%R) associated with soil samples in SDGs 480-213599-1, 480-213681-1, and 480-213683-1. Validation qualification was not required for the affected samples.

Blank Contamination

The QC equipment blanks associated with samples in SDG 480-214162-1 contained 4-chloro-3-methylphenol below the reporting limit at concentrations ranging 1.1-1.3 µg/L; and the laboratory method blanks associated with samples with lab IDs 480-214162-21, -22, and samples in SDGs 480-214187-1, 480-214310-1, 480-214778-1, and 480-214861-1 contained di-n-butylphthalate below the reporting limit at concentrations ranging 34.9-81.1 µg/kg; . Therefore, results for these compounds less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with minimum average relative response factors (RRFs) of 0.05 and maximum relative standard deviations (%RSDs) of 20% with the exception of pentachlorophenol (23.7%RSD, 20.9%RSD, 21.1%RSD) in the initial calibrations associated with samples with lab IDs 480-213472-1, 480-213599-1, 480-214459-1, and 480-214665-1; hexachlorocyclopentadiene (21.3%RSD) in the initial calibration associated with samples in SDGs 480-213794-1, 480-213887-1, 480-213923-1, 480-214002-1, 480-214160-1, 480-214187-1, 480-214233-1, 480-214238-1, 480-214310-1, and samples with lab IDs 480-214162-21 and -22; and benzaldehyde (21.1%RSD, 26.8%RSD) in the initial calibrations associated with samples in SDGs 480-214067-1, 480-214162-1, and 480-215007-1 except for samples with lab IDs 480-214162-21, -22, -23, and -24. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and maximum percent differences (%Ds) within ±20% with the exception of 2,4-dinitrophenol (25.4%D) in the continuing calibration associated with samples in SDG 480-213146-1; hexachlorocyclopentadiene (-24.8%D), 4-nitrophenol (-25.6%D), and pentachlorophenol (-22.5%D) in the continuing calibration associated with sample with lab ID 480-213233-5; bis(2-chloroisopropyl)ether (-40.7%D), hexachlorobutadiene (20.4%D), hexachlorocyclopentadiene (-33.4%D), 4-nitrophenol (23.4%D), hexachlorobenzene (29.9%D), and benzo(k)fluoranthene (20.2%D) in the continuing calibration associated with samples with lab IDs 480-213321-1 and -2; bis(2-chloroisopropyl)ether (-46.4%D, -25.7%D), hexachlorobutadiene (25.4%D, 23.7%D), hexachlorocyclopentadiene (-38.0%D, -25.3%D), and 4-nitrophenol (28.6%D, 60.4%D) in the continuing

calibrations associated with samples with lab IDs 480-213321-3, 480-213437-3, and 480-213446-1; bis(2-chloroisopropyl)ether (-26.2%D, -23.4%D) and 2,4-dinitrophenol (33.8%D, 30.5%D) in the continuing calibrations associated with soil samples in SDGs 480-213437-1, 480-213446-1, 480-213472-1, 480-213599-1, 480-213681-1, and 480-213683-1; bis(2-chloroisopropyl)ether (-58.0%D), isophorone (22.9%D), hexachlorobutadiene (22.1%D), atrazine (20.6%D), and pentachlorophenol (-20.7%D) in the continuing calibration associated with sample with lab ID 480-213472-1; bis(2-chloroisopropyl)ether (-23.5%D), hexachlorobutadiene (27.6%D), 4-nitrophenol (65.8%D), and pentachlorophenol (-21.0%D) in the continuing calibration associated with sample with lab ID 480-213599-1; hexachlorocyclopentadiene (-20.6%D, -37.7%D, -32.4%D, -22.3%D) in the continuing calibrations associated with samples in SDGs 480-214002-1, 480-214233-1, 480-214238-1, 480-214310-1, and samples with lab IDs 480-214187-9 and 480-214459-1; hexachlorobutadiene (29.1%D), butylbenzylphthalate (-22.4%D), bis(2-ethylhexyl)phthalate (-22.0%D), and di-n-octylphthalate (-20.5%D) in the continuing calibration associated with samples in SDG 480-214067-1; atrazine (21.5%D) in the continuing calibration associated with samples in SDG 480-214162-1 except for samples with lab IDs 480-214162-21, -22, -23, and -24; hexachlorocyclopentadiene (-29.3%D) and pentachlorophenol (-40.9%D) in the continuing calibration associated with sample with lab ID 480-214162-23; bis(2-chloroethyl)ether (-23.0%D), bis(2-chloroisopropyl)ether (-41.9%D), N-nitrosodi-n-propylamine (-26.3%D), hexachlorobutadiene (21.2%D), 2-nitroaniline (-27.9%D), and 4-nitrophenol (-20.8%D) in the continuing calibration associated with sample with lab ID 480-214162-24; bis(2-chloroisopropyl)ether (-24.2%D, -24.1%D) in the continuing calibrations associated with sample with lab ID 480-214516-2 and samples in SDGs 480-214615-1 and 480-214665-1; hexachlorocyclopentadiene (-27.9%D) and 2-nitroaniline (21.8%D) in the continuing calibration associated with sample with lab ID 480-214665-1; and 1,4-dioxane (22.3%D) in the continuing calibration associated with sample with lab ID 480-214665-6 and samples in SDGs 480-214720-1 and 480-214721-1. Therefore, results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the precision for many positive results associated with the field duplicate pairs with lab IDs 480-214067-1/-2 and 480-214160-1/-2; fluoranthene, phenanthrene, and pyrene associated with the field duplicate pair with lab IDs 480-214160-4/-5. Therefore, results for these compounds were considered estimated and qualified "J" for the affected parent sample and field duplicate.

Usability

All semivolatile soil and sediment sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The semivolatile soil and sediment data presented by the laboratory were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-1.

2.1.3 PFAS

The following items were reviewed for compliancy in the PFAS analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy

- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment/field blank contamination
- Instrument performance
- Initial and continuing calibrations
- Internal standard responses
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times, surrogate recoveries, MS/MSD precision and accuracy, blank contamination, and sample result identification as discussed below.

Holding Times

It was noted that all soil samples exceeded the NYSDEC 28-day holding time for extraction by 4 to 29 days. Validation action was not taken since soil sample extractions did not exceed the 40-day holding time requirement per the analytical method for extraction.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable, within QC limits, and did not require qualification with the exception of the low surrogate recoveries for d7-N-MeFOSE-M (QC limit 20-150%R) in samples with lab IDs 480-213446-6 (19%R) and 480-213681-4 (15%R); d3-NMePFOSA (QC limit 20-150%R) in samples with lab IDs 480-213446-6 (17%R) and 480-213681-4 (15%R); d5-NEtPFOSA (QC limit 20-150%R) in samples with lab IDs 480-213446-6 (18%R), 480-213681-4 (16%R), and 480-214400-5 (15%R); d9-N-EtFOSE-M (QC limit 20-150%R) in samples with lab IDs 480-213681-4 (14%R), 480-214400-5 (11%R), and 480-214459-2 (9%R); 13C4-PFBA (QC limit 20-150%R) in samples with lab IDs 480-213683-4 (16%R), 480-213887-6 (10%R), 480-214233-4 (12%R), -5 (11%R), and 480-214721-3 (18%R); 13C5-PFPeA (QC limit 20-150%R) in sample with lab ID 480-213683-4 (13%R). Therefore, the associated results were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD recoveries for 7:3 FTCA, 5:3 FTCA, and PFOS during the spiked analyses of sample PDI-ONSO-005-9-11. Validation qualification was not required for the affected parent sample.

Blank Contamination

The laboratory method blanks associated with samples in SDGs 480-213472-1 and 480-213599-1 contained PFOSA below the reporting limit at concentrations ranging 0.0126-0.0415 µg/kg. Validation qualification was not required for the affected samples.

Sample Result Identification

It was noted that the mass ion ratio exceeded the QC limit for PFOA for samples with lab IDs 480-213233-6, 480-213437-5, 480-213446-2, -3, -4, 480-213681-2, 480-213683-1, -4, 480-213887-6, 480-213923-2, 480-214160-6, 480-214400-5, and -6; PFPeA for samples with lab IDs 480-213437-1, -4, 480-213446-3, -4, -7, 480-213681-5, -6, 480-213887-3, -5, 480-213923-1, 480-214002-2, -3, 480-214160-8, -9, -10, and 480-214238-2; PFOS for samples with lab IDs 480-213446-2, 480-213472-2, and 480-213683-4; PFDS for samples with lab IDs 480-213446-3, -4, -8, 480-213683-1, and -4; PFHxS for samples with lab IDs 480-213446-3, -5, -6, -8, 480-213681-5, 480-213683-1, -4, 480-214160-4, -8, and 480-214400-6; PFPeS for samples with

lab IDs 480-213446-3, 480-213681-5, 480-213683-4, and 480-214160-5; PFBS for samples with lab IDs 480-213472-2, -3, 480-213681-7, 480-213683-4, 480-214160-4, and -5; 3:3-FTCA for sample with lab ID 480-213472-2; PFHpS for samples with lab IDs 480-213681-2 and 480-213683-4; PFHxA for samples with lab IDs 480-213681-3, -5, 480-213683-4, 480-214160-8, 480-214310-1, 480-214400-5, and -7; PFHpA for samples with lab IDs 480-213683-1, -4, 480-214310-1, and 480-214400-6; PFNA for sample with lab ID 480-214160-6; and PFOSA for sample with lab ID 480-214615-4. Therefore, results for these compounds were considered estimated and qualified "J" or estimated, tentatively identified, and qualified "JN" for the affected samples.

Usability

All PFAS soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The PFAS soil data presented by the laboratory were 100% complete (i.e., usable). The validated PFAS laboratory data are tabulated and presented in Attachment A-1.

2.1.4 Inorganics

The following items were reviewed for compliancy in the inorganics analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and field QC equipment blank contamination
- Interference check sample (ICS) recoveries
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Serial dilutions
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times, continuing calibration verifications, blank contamination, MS/MSD recoveries, serial dilutions, laboratory duplicate precision, and field duplicate precision as discussed below.

Holding Times

Hexavalent chromium exceeded the 28-day holding time requirement by 1 to 15 days for all samples in SDGs 480-213923-1, 480-214002-1, 480-214067-1, 480-214160-1, and 480-214400-1. Therefore, hexavalent chromium results which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Continuing Calibration Verifications

All continuing calibration verifications were analyzed at the appropriate frequency with recoveries within the 90-110%R QC limit. All low standard continuing calibration verifications were analyzed at the appropriate frequency with recoveries within the 70-130%R QC limit with the exception of iron (131%R) associated with soil samples in SDG 480-213233-1; potassium (160%R, 133%R) associated with samples in SDG 480-214160-1; copper (135%R) associated with samples with lab IDs 480-214160-3 through -10; and total chromium (143%R)

associated with samples in SDGs 480-214287-1 and 480-214310-1. Therefore, positive results for these analytes were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

It was noted that cyanide exceeded the instrument calibration range in sample with lab ID 480-213146-2. Therefore, the result for this analyte was considered estimated and qualified "J" for the affected sample.

Blank Contamination

The laboratory preparation blank associated with samples in SDG 480-213146-1 contained iron below the reporting limit at a concentration of 9.28 mg/kg; the laboratory preparation blank and QC equipment blank associated with samples in SDG 480-213233-1 contained manganese below the reporting limit at concentrations of 0.0363 mg/kg and 0.00048 mg/L, respectively; the laboratory preparation blanks associated with samples in SDGs 480-213321-1, 480-213446-1, 480-214400-1, and 480-214915-1 contained calcium and manganese below the reporting limit at concentrations ranging 3.49-5.61 and 0.0344-0.0744 mg/kg, respectively; the laboratory preparation blank associated with samples in SDGs 480-213437-1, 480-213472-1, and 480-214516-1 contained calcium, magnesium, and manganese below the reporting limit at concentrations ranging 3.59-5.16, 1.06-1.17, and 0.0617-0.0739 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 480-213599-1 contained calcium, manganese, and sodium below the reporting limit at concentrations of 3.95, 0.0915, and 15.35 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 480-213681-1 contained calcium, manganese, selenium, and sodium below the reporting limit at concentrations of 3.95, 0.0915, 0.473, and 15.35 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 480-213683-1 contained calcium, iron, and manganese below the reporting limit at concentrations of 3.26, 7.12, and 0.0481 mg/kg, respectively; the laboratory preparation blank associated with samples in SDGs 480-213794-1 and 480-213887-1 contained calcium and sodium below the reporting limit at concentrations of 4.08 and 25.21 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 480-213923-1 contained sodium below the reporting limit at a concentration of 25.15 mg/kg; the laboratory preparation blank associated with samples in SDG 480-214002-1 contained manganese and sodium below the reporting limit at concentrations of 0.0370 and 15.94 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 480-214067-1 contained manganese below the reporting limit at a concentration of 0.0657 mg/kg; the laboratory preparation blank associated with samples in SDG 480-214160-1 contained aluminum, iron, manganese, and sodium below the reporting limit at concentrations of 4.88, 9.82, 0.0476, and 22.32 mg/kg, respectively; the laboratory preparation blank associated with samples in SDGs 480-214233-1 and 480-214238-1 contained calcium, iron, manganese, sodium, and zinc below the reporting limit at concentrations of 5.52, 5.18, 0.0591, 25.2, and 1.07 mg/kg; the laboratory preparation blank associated with samples in SDGs 480-214287-1 and 480-214310-1 contained cadmium, total chromium, and sodium below the reporting limit at concentrations of 0.0324, 0.223, and 18.57 mg/kg, respectively; the laboratory preparation blank associated with samples in SDGs 480-214459-1 and 480-214534-1 contained antimony, calcium, and manganese below the reporting limit at concentrations of 0.582, 3.97, and 0.0759 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 480-214615-1 contained calcium, total chromium, magnesium, iron, and zinc at concentrations of 44.42, 0.242, 13.13, 5.7, and 4.13 mg/kg, respectively; the laboratory preparation blank associated with samples in SDGs 480-214665-1, 480-214720-1, and 480-214721-1 contained aluminum, total chromium, copper, and manganese below the reporting limit at concentrations of 4.61, 0.223, 0.322, and 0.0741 mg/kg, respectively; the laboratory preparation blank associated with samples in SDGs 480-214778-1 and 480-214861-1 contained cadmium, calcium, and manganese below the reporting limit at concentrations of 0.0314, 5.02, and 0.0471 mg/kg, respectively; and the laboratory preparation blank associated with samples in SDG 480-215007-1 contained total chromium, magnesium, and manganese below the reporting limit at concentrations of 0.310, 1.08, and 0.0377 mg/kg, respectively. Therefore, results for these analytes less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within the 75-125%R QC limit (80-120%R for mercury, 85-115%R for cyanide) with the exception of the MS/MSD recoveries for cyanide (0%R) associated with sample with lab ID 480-213321-3; hexavalent chromium (48%R, 65%R) associated with sample with lab ID 480-213321-2; aluminum (374%R, 359%R), barium (151%R, 147%R), potassium (191%R, 190%R), cyanide (42%R, 35%R), and hexavalent chromium (50%R, 30%R) associated with sample with lab ID 480-213446-8; cyanide (24%R) associated with sample with lab ID 480-213446-3; mercury (69%R) associated with sample with lab ID 480-213681-2; cyanide (66%R) associated with sample with lab ID 480-213794-3; cyanide (38%R) associated with sample with lab ID 480-213887-7; antimony (59%R, 59%R), barium (140%R, 147%R), magnesium (145%R, 131%R), and potassium (181%R, 176%R) associated with sample with lab ID 480-213887-1; antimony (70%R, 72%R), barium (147%R, 145%R), potassium (254%R, 233%R), aluminum (395%R), total chromium (145%R), copper (437%R), lead (137%R), cyanide (37%R, 12%R), and hexavalent chromium (43%R, 61%R) associated with sample with lab ID 480-214067-5; aluminum (281%R, 265%R), magnesium (67%R), potassium (180%R, 172%R), and hexavalent chromium (66%R, 61%R) associated with sample with lab ID 480-214160-1; barium (140%R), nickel (169%R), potassium (151%R, 135%R), selenium (67%R, 72%R), lead (67%R), mercury (177%R), hexavalent chromium (8%R, 0.9%R) associated with sample with lab ID 480-214160-4; aluminum (360%R, 352%R), arsenic (55%R, 64%R), barium (145%R, 166%R), iron (227%R), potassium (170%R, 183%R), mercury (161%R, 175%R), copper (159%R), lead (260%R), magnesium (252%R), and zinc (170%R) associated with sample with lab ID 480-214233-5; manganese (128%R, 186%R), potassium (175%R, 162%R), zinc (51%R, 71%R), mercury (65%R, 77%R), barium (60%R), calcium (201%R), lead (126%R), magnesium (153%R), and cyanide (52%R, 71%R) associated with sample with lab ID 480-214238-2; aluminum (910%R, 830%R), antimony (45%R, 52%R), barium (163%R, 167%R), magnesium (178%R, 171%R), potassium (429%R, 402%R), and zinc (63%R, -2%R) associated with sample with lab ID 480-214287-3; cyanide (0%R) associated with sample with lab ID 480-214400-4; aluminum (380%R, 357%R), barium (145%R, 137%R), potassium (205%R, 196%R), and cyanide (71%R, 73%R) associated with sample with lab ID 214459-6; mercury (-29%R, -84%R), cyanide (-57%R, 79%R), and hexavalent chromium (40%R, 51%R) associated with sample with lab ID 480-214534-3; and aluminum (340%R, 308%R), barium (172%R, 134%R), manganese (130%R, 156%R), potassium (187%R, 180%R), selenium (72%R), lead (73%R), calcium (530%R), cyanide (77%R, 66%R), and hexavalent chromium (57%R) associated with sample with lab ID 480-214721-3. Therefore, results for those analytes where MS/MSD recoveries fell below the QC limit were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples. Positive results for those analytes where MS/MSD recoveries exceeded the QC limit were considered estimated and qualified "J" for the affected samples.

Serial Dilutions

All serial dilution results were considered acceptable with percent differences (%Ds) less than 10% with the exception of the serial dilutions for total chromium (11%D) associated with sample with lab ID 480-213446-8; arsenic (13%D), beryllium (11%D), calcium (11%D), total chromium (13%D), magnesium (14%D), manganese (16%D), sodium (11%D), and zinc (17%D) associated with sample with lab ID 480-213887-1; mercury (14%D) associated with sample with lab ID 480-214002-1; barium (13%D), potassium (11%D), vanadium (11%D), and zinc (12%D) associated with sample with lab ID 480-214067-5; barium (11%D), magnesium (12%D), manganese (12%D), potassium (13%D), and zinc (13%D) associated with sample with lab ID 480-214160-1; calcium (12%D) and total chromium (12%D) associated with sample with lab ID 480-214233-5; mercury (14%D) associated with sample with lab ID 480-214238-2; barium (13%D), total chromium (16%D), magnesium (14%D), manganese (15%D), vanadium (14%D), and zinc (16%D) associated with sample with lab ID 480-214287-3; aluminum (11%D), barium (13%D), calcium (11%D), total chromium (13%D), copper (16%D), iron (12%D), magnesium (15%D), manganese (12%D), potassium (11%D), and zinc (12%D) associated with sample with lab ID 480-214459-6; mercury (12%D) associated with sample with lab ID 480-214534-3; and arsenic (11%D) and

total chromium (12%D) associated with sample with lab ID 480-214721-3. Therefore, results for these analytes were considered estimated and qualified "J" for the affected samples.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and less than 20%RPD (15%RPD for cyanide) with the exception of the precision for cyanide (155%RPD) associated with sample with lab ID 480-213146-1; hexavalent chromium (32%RPD, 21%RPD) associated with samples with lab IDs 480-213233-5, 480-213437-3; cyanide (22%RPD) associated with sample with lab ID 480-213887-1; and cyanide (26%RPD) associated with sample with lab ID 480-213923-1. Therefore, results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Field Duplicate Precision

All field duplicate precision results were considered acceptable with the exception of the field duplicate precision for cadmium, calcium, magnesium, and cyanide associated with the field duplicate pair with lab IDs 480-214067-1/-2; arsenic and lead associated with the field duplicate pair with lab IDs 480-214160-1/-2; and total chromium, trivalent chromium, vanadium, and cyanide associated with the field duplicate pair with lab IDs 480-214160-4/-5. Therefore, results for these analytes were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected parent samples and field duplicates.

Usability

All inorganic soil sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The inorganic soil data presented by the laboratory were 100% complete (i.e., usable). The validated inorganic laboratory data are tabulated and presented in Attachment A-1.

It was noted that samples with lab IDs 480-213146-3 and 480-214233-1 contained less than 50% solids at 43.3% and 44.5%, respectively. Therefore, results were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

2.2 GROUNDWATER SAMPLES

Data review has been completed for data packages containing groundwater samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) 480-214984-1, 480-215008-1, 480-215014-1, 480-215847-1, 480-215907-1, 480-215935-1, 480-215980-1, 480-216269-1, 480-216309-1, and 480-216334-1. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory.

Data validation was performed for all samples in accordance with the most current editions of the USEPA National Function Guidelines for organic and inorganic data review, the USEPA Region II SOPs for organic and inorganic data review, analytical methodologies, and the *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs*, dated April 2023. The validated laboratory data are presented in Attachment A-2. This data validation and usability report is presented by analysis type.

2.2.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and field QC equipment blank / field blank / trip blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, blank contamination, and continuing calibrations as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable, within QC limits, and did not warrant qualification for designated spiked project samples with the exception of the low MS/MSD accuracy result for carbon disulfide during the spiked analyses of sample PDI-ONGW-DW-12-06R-121923. Therefore, the result for this compound which was nondetect was considered estimated and qualified "UJ" for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the LCS recoveries for bromoform (133%R; QC limit 61-132%R) associated with samples in SDG 480-214984-1; bromoform (135%R; QC limit 61-132%R) and chloroethane (63%R; QC limit 69-136%R) associated with samples with lab IDs 480-215014-1 and -2; 2-butanone (177%R, 179%R; QC limit 57-140%R) associated with samples in SDG 480-215847-1; and carbon disulfide (55%R; QC limit 59-134%R) associated with samples in SDG 480-215907-1. Validation qualification was not required for those compounds where LCS recoveries exceeded the QC limit. However, results for those compounds where LCS recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples.

Blank Contamination

The QC trip blank associated with the samples in SDG 480-214984-1 contained acetone below the reporting limit at a concentration of 3.3 µg/L; the QC equipment blank and QC field blank associated with samples in SDG 480-215008-1 contained chloroform, toluene, and total xylenes at concentrations ranging 4.9-5.2, 3.3-3.5, and 1.2 µg/L, respectively; the QC field blank associated with samples in SDG 480-215014-1 contained 2-butanone below the reporting limit at a concentration of 2.3 µg/L; the QC equipment blank associated with samples in SDG 480-215847-1 contained chloroform at a concentration of 1.5 µg/L; and the laboratory method blank associated with sample with lab ID 480-216334-1 contained methylene chloride below the reporting limit at a concentration of 0.731 µg/L. Validation qualification was not required for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and maximum percent differences (%Ds) within ±20% with the exception of dibromochloromethane (23.2%D) and carbon tetrachloride (29.4%D) in the continuing calibration associated with samples in SDG 480-214984-1; 1,1,2-trichloro-1,2,2-trifluoroethane (20.2%D) and 1,1-dichloroethene (22.5%D) in the continuing calibration associated with samples in SDG 480-215008-1; carbon disulfide (31.9%D), bromomethane (-34.5%D), chloroethane (-44.1%D), dibromochloromethane (24.0%D), and bromoform (29.0%D) in the continuing calibration associated with samples with lab IDs 480-215014-1 and -2; 1,1-dichloroethene (-33.0%D), 1,1,2-trichloro-1,2,2-trifluoroethane (-29.8%D), carbon disulfide (-48.5%D), trans-1,2-dichloroethene (-21.6%D), and cyclohexane (-27.7%D) in the continuing calibration associated with samples in SDG 480-215907-1; trichlorofluoromethane (25.2%D) in the continuing calibration associated with sample with lab ID 480-215935-1 and with samples in SDG 480-215980-1; and 2-hexanone (-20.5%D) in the continuing calibration associated with sample with lab ID 480-216334-1. Therefore, the results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

Usability

All volatile groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-2.

2.2.2 Semivolatiles

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment blank / field blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, blank contamination, and continuing calibrations as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the surrogate recoveries for p-terphenyl-d14 (QC limit 60-148) in samples with lab IDs 480-215935-1 (54%R) and

480-215980-1 (39%R); and 2,4,6-tribromophenol (QC limit 41-120%R) in samples with lab IDs 480-215935-3 (143%R) and 480-216269-2 (176%R). Validation qualification was not required for the affected samples.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable, within QC limits, and did not warrant qualification for designated spiked project samples with the exception of the low MS/MSD accuracy results for 2,4-dichlorophenol, 4-chloro-3-methylphenol, 4-chloroaniline, fluorene, and biphenyl during the spiked analyses of sample PDI-OFFGW-DW-12-01R-010924. Therefore, the results for these compounds were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for 1,4-dioxane (195%R; QC limit 40-140%R) associated with samples in SDG 480-215014-1. Therefore, positive results for this compound were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Blank Contamination

The laboratory method blank, the QC equipment blank, and the QC field blank associated with samples in SDG 480-215008-1 contained di-n-butylphthalate below the reporting limit at concentrations of 0.789, 0.77, and 0.52 µg/L, respectively; and the laboratory method blank and the QC field blank associated with samples in SDG 480-215014-1 contained di-n-butylphthalate and 1,4-dioxane at concentrations ranging 0.7-0.789 and 0.42-0.576 µg/L, respectively. Therefore, results for these compounds less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with minimum relative response factors (RRFs) of 0.05 and percent differences (%Ds) within ±20% with the exception of 2,4-dinitrophenol (-35.6%D), 4,6-dinitro-2-methylphenol (-23.9%D), and pentachlorophenol (-42.6%D) in the continuing calibration associated with samples in SDG 480-214984-1; bis(2-chloroisopropyl)ether (-29.4%D), hexachlorocyclopentadiene (-32.0%D), 2,4-dinitrophenol (-42.9%D), 4,6-dinitro-2-methylphenol (-21.2%D), and pentachlorophenol (-36.6%D) in the continuing calibration associated with samples with lab IDs 480-215847-1, -2, and -3; 2,4-dinitrophenol (-31.8%D) in the continuing calibration associated with samples in SDGs 480-215935-1 and 480-215980-1; hexachlorocyclopentadiene (-20.3%D) in the continuing calibration associated with samples with lab IDs 480-216269-1, -3, and -4; and hexachlorocyclopentadiene (-28.7%D), 2,4-dinitrophenol (-33.1%D), and pentachlorophenol (-27.8%D) in the continuing calibration associated with sample with lab ID 480-216334-2. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All semivolatile groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The semivolatile groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A-2.

2.2.3 MEE

The following items were reviewed for compliancy in the MEE analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment blank / field blank contamination
- Initial and continuing calibrations
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols.

Usability

All MEE groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The MEE groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated MEE laboratory data are tabulated and presented in Attachment A-2.

2.2.4 PFAS

The following items were reviewed for compliancy in the PFAS analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and equipment blank / field blank contamination
- Instrument performance
- Initial and continuing calibrations
- Internal standard responses
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of surrogate recoveries, blank contamination, continuing calibrations, and sample result identification as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the surrogate recoveries for 13C2-PFDoA (QC limit 10-150%R) in sample with lab ID 480-215008-2 (8%R); d7-N-MeFOSE-M (QC limit 10-150%R) in sample with lab ID 480-215008-1 (6%R); M2-4:2 FTS (QC limit 40-200%R) in samples with lab IDs 480-215847-2 (399%R), 480-215907-3 (228%R), 480-215935-2 (301%R), 480-216269-4 (978%R), 480-216334-2 (204%R), and -5 (207%R); and M2-6:2 FTS (QC limit 40-200%R) in samples with lab IDs 480-215847-2 (249%R), 480-215907-2 (203%R), 480-215935-2 (310%R), and 480-216269-4 (264%R). Validation qualification was not required for the associated compounds where surrogate recoveries exceeded the QC limit for the affected samples. However, results for the associated compounds where surrogate recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples.

Blank Contamination

The QC equipment blank and QC field blank associated with samples in SDG 480-215847-1 contained PFHxA below the reporting limit at concentrations of 0.66 and 0.58 ng/L, respectively; the QC field blank associated with samples in SDG 480-215907-1 contained PFHxA below the reporting limit at a concentration of 0.57 ng/L; the QC equipment blank associated with samples in SDG 480-215935-1 contained PFHxA below the reporting limit at a concentration of 1.1 ng/L; the QC field blank associated with samples in SDG 480-215980-1 contained PFHxA below the reporting limit at a concentration of 1.1 ng/L; the QC field blank and the QC equipment blank associated with samples in SDG 480-216309-1 contained PFPeA below the reporting limit at concentrations of 1.3 and 1.1 ng/L, respectively; and the QC field blank and the QC equipment blank associated with samples in SDG 480-216334-1 contained PFHxA and PFPeA below the reporting limit at concentrations ranging 0.51-0.57 and 0.71-1.4 ng/L, respectively. Therefore, results for these compounds less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with percent differences (%Ds) within ±30% with the exception of 9Cl-PF3ONS (44.3%D, 32.1%D) in the continuing calibrations associated with samples in SDGs 480-215935-1 and 480-216334-1 except sample with lab ID 480-216334-1. Therefore, results for this compound which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Sample Result Identification

It was noted that the mass ion ratio exceeded the QC limit for PFPeA for samples with lab IDs 480-214984-1, 480-215008-1, -2, 480-215847-2, 480-215907-3, 480-215980-4, 480-216269-4, 480-216309-4, -5, 480-216334-3, and -8; PFOS for samples with lab IDs 480-215847-1 and 480-215935-2; PFBS for samples with lab IDs 480-215847-2, 480-215907-3, 480-215980-5, 480-216269-4, 480-216309-3, -5, 480-216334-1, -3, -4, and -5; PFHxA for sample with lab ID 480-215935-2; PFOSA in sample with lab ID 480-216269-2; PFEESA for sample with lab ID 480-216269-4; PFPeS for samples with lab IDs 480-216269-4, 480-216334-3, and -4; and PFHpA for sample with lab ID 480-216334-5. Therefore, results for these compounds were considered estimated and qualified "J" or estimated, tentatively identified, and qualified "JN" for the affected samples.

Usability

All PFAS groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The PFAS groundwater data presented by the

laboratory were 100% complete (i.e., usable). The validated PFAS laboratory data are tabulated and presented in Attachment A-2.

2.2.5 Metals

The following items were reviewed for compliancy in the metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and equipment blank / field blank contamination
- Interference check sample (ICS) recoveries
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Serial dilutions
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of continuing calibration verifications, blank contamination, and serial dilutions as discussed below.

Continuing Calibration Verifications

All continuing calibration verifications were analyzed at the appropriate frequency with recoveries within the 90-110%R QC limit. All low standard continuing calibration verifications were analyzed at the appropriate frequency with recoveries within the 70-130%R QC limit with the exception of manganese (133%R) associated with samples with lab IDs 480-215008-1 and -2 and with samples in SDG 480-215014-1. Therefore, positive results for this analyte were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Blank Contamination

The laboratory preparation blanks associated with samples in SDGs 480-214984-1 and 480-215980-1 contained zinc below the reporting limit at concentrations of 0.00548 and 0.00239 mg/L, respectively; the QC equipment blank and the QC field blank associated with samples in SDG 480-215008-1 contained sodium below the reporting limit at concentrations of 0.95 and 0.93 mg/L, respectively; the QC field blank associated with samples in SDG 215008-1 contained calcium and manganese below the reporting limit at concentrations of 0.11 and 0.00045 mg/L, respectively; the QC field blank associated with samples in SDG 480-215014-1 contained manganese below the reporting limit at a concentration of 0.00065 mg/L; the laboratory preparation blank associated with samples in SDG 480-215907-1 contained potassium below the reporting limit at a concentration of 0.171 mg/L; the laboratory preparation blank associated with samples in SDG 480-216309-1 contained copper below the reporting limit at a concentration of 0.0023 mg/L; and the laboratory preparation blank associated with samples in SDG 480-216334-1 contained copper and potassium at concentrations of 0.00328 and 0.359 mg/L, respectively. Therefore, results for these analytes less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Serial Dilutions

All serial dilutions were considered acceptable with percent differences (%Ds) less than 10% with the exception of the serial dilutions for potassium (12%D) and sodium (11%D) associated with sample with lab ID 480-216309-2. Therefore, the results for these analytes were considered estimated and qualified "J" for the affected sample.

Usability

All metals groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The metals groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated metals laboratory data are tabulated and presented in Attachment A-2.

2.2.6 General Chemistry

The following items were reviewed for compliancy in the general chemistry analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration blank, preparation blank, and equipment blank / field blank contamination
- MS/MSD recoveries
- LCS recoveries
- Laboratory duplicate precision
- Sample result verification and identification
- Field duplicate precision
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of continuing calibration verifications, blank contamination, MS/MSD recoveries, and LCS recoveries as discussed below.

Continuing Calibration Verifications

All continuing calibration verifications were analyzed at the appropriate frequency with percent recoveries (%Rs) within QC limits with the exception of the high continuing calibration verification recovery for nitrite (115%R; QC limit 90-110%R) associated with samples in SDG 480-216334-1. Therefore, positive nitrite results were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Blank Contamination

The laboratory preparation blank associated with samples in SDGs 480-214984-1 and 480-215008-1 contained nitrate-nitrite and nitrite below the reporting limit at concentrations of 0.0372 and 0.0220 mg/L, respectively; the QC equipment blank and the QC field blank associated with samples in SDG 480-215008-1 contained nitrate-nitrite, oil and grease, sulfate, and nitrate at concentrations ranging 0.064-0.066, 2.4-5.2, 1.0-2.0, and 0.041-0.066 mg/L, respectively; the QC field blank associated with samples in SDG 480-215014-1 contained oil and grease and sulfate below the reporting limit at concentrations of 2.5 and 0.58 mg/L, respectively; the laboratory preparation blanks associated with samples in SDG 480-215935-1 and 480-216309-1 contained nitrate-nitrite below the reporting limit at concentrations of 0.0207 and 0.2020 mg/L, respectively; and the

laboratory preparation blank associated with samples in SDG 480-216334-1 contained nitrite below the reporting limit at a concentration of 0.0206 mg/L. Therefore, results for these analytes less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

MS/MSD Recoveries

All MS/MSD recoveries were considered acceptable and within QC limits with the exception of the MS/MSD recoveries for nitrite (111%R; QC limit 90-110%R) associated with sample with lab ID 480-215014-1; nitrate-nitrite (81%R; QC limit 90-110%R) and nitrite (79%R; QC limit 90-110%R) associated with sample with lab ID 480-215980-1; and nitrate-nitrite (85%R; QC limit 90-110%R) and nitrite (126%R, 132%R; QC limit 90-110%R) associated with sample with lab ID 480-216309-2. Validation qualification was not required for those analytes where MS/MSD recoveries exceeded the QC limit for the affected samples. However, results for those analytes where MS/MSD recoveries fell below the QC limit were considered estimated with positive results qualified "J" and nondetected results qualified "UJ" for the affected samples.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for nitrite (115%R; QC limit 90-110%R) associated with samples in SDG 480-216334-1. Therefore, positive nitrite results were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Usability

All general chemistry groundwater sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The general chemistry groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated general chemistry laboratory data are tabulated and presented in Attachment A-2.

ATTACHMENT A – VALIDATED LABORATORY DATA

ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR SOIL AND SEDIMENT SAMPLES

			Location ID	PDI-EW-3		PDI-EW-3		PDI-EW-3		PDI-EW-3		PDI-OFFSO-001		PDI-OFFSO-001	
			Sample ID	PDI-EW-3-10.5-11		PDI-EW-3-15-17		PDI-EW-3-25-26.7		PDI-EW-3-9-10.5		PDI-OFFSO-001-11-13		PDI-OFFSO-001-17-19	
			Start Depth	10.5		15		25		9		11		17	
			End Depth	11		17		26.7		10.5		13		19	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/16/2023		11/16/2023		11/16/2023		11/16/2023		11/10/2023		11/10/2023	
			SDG	4802150071		4802150071		4802150071		4802150071		4802147781		4802147781	
			Lab Sample ID	480-215007-2		480-215007-3		480-215007-4		480-215007-1		480-214778-1		480-214778-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.97	U	0.9	U	1	U	0.89	U	0.91	U	0.91	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.2	U	2.5	U	2.2	U	2.3	U	2.3	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.2	U	2.5	U	2.2	U	2.3	U	2.3	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6.1	U	5.6	U	6.4	U	5.6	U	5.7	U	5.7	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6.1	U	5.6	U	6.4	U	5.6	U	5.7	U	5.7	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.1	U	1.3	U	1.1	U	1.1	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.97	U	0.9	U	1	U	0.89	U	0.91	U	0.91	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.97	U	0.9	U	1	U	0.89	U	0.91	U	0.91	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.48	U	0.45	U	0.51	U	0.44	U	0.46	U	0.46	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.48	U	0.45	U	0.51	U	0.44	U	0.46	U	0.46	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.97	U	0.9	U	1	U	0.89	U	0.91	U	0.91	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.48	U	0.45	U	0.51	U	0.44	U	0.46	U	0.46	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.48	U	0.45	U	0.51	U	0.44	U	0.46	U	0.46	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.97	U	0.9	U	1	U	0.89	U	0.91	U	0.91	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.48	U	0.45	U	0.51	U	0.44	U	0.46	U	0.46	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.24	U	0.22	U	0.25	U	0.22	U	0.23	U	0.23	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.97	U	0.9	U	1	U	0.89	U	0.91	U	0.91	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.97	U	0.9	U	1	U	0.89	U	0.91	U	0.91	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.97	U	0.9	U	1	U	0.89	U	0.91	U	0.91	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	11.1		10		13.1		4.7		7.5		12.4	
SW6010C	7429-90-5	Aluminum	mg/kg	8800		6960		12900		3210		5360		10600	
SW6010C	7440-36-0	Antimony	mg/kg	18.2	U	18	U	19.8	U	16.5	U	1.9	J	1.8	J
SW6010C	7440-38-2	Arsenic	mg/kg	6.1		9.8		21.8		1.9	J	5.2		6.1	
SW6010C	7440-39-3	Barium	mg/kg	33		33.6		57.2		27.7		44.2		70.6	
SW6010C	7440-41-7	Beryllium	mg/kg	0.42		0.36		0.8		0.12	J	0.26		0.62	

			Location ID	PDI-EW-3		PDI-EW-3		PDI-EW-3		PDI-EW-3		PDI-OFFSO-001		PDI-OFFSO-001	
			Sample ID	PDI-EW-3-10.5-11		PDI-EW-3-15-17		PDI-EW-3-25-26.7		PDI-EW-3-9-10.5		PDI-OFFSO-001-11-13		PDI-OFFSO-001-17-19	
			Start Depth	10.5		15		25		9		11		17	
			End Depth	11		17		26.7		10.5		13		19	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/16/2023		11/16/2023		11/16/2023		11/16/2023		11/10/2023		11/10/2023	
			SDG	4802150071		4802150071		4802150071		4802150071		4802147781		4802147781	
			Lab Sample ID	480-215007-2		480-215007-3		480-215007-4		480-215007-1		480-214778-1		480-214778-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.24	U	0.24	U	0.26	U	0.22	U	0.22	U	0.27	
SW6010C	7440-70-2	Calcium	mg/kg	2290		1250		109000		24700		36800		5420	
SW6010C	7440-47-3	Chromium, Total	mg/kg	11.1		10		13.1		4.7		7.5		12.4	
SW6010C	7440-48-4	Cobalt	mg/kg	7		6.2		12.8		2.3		3.9		5.5	
SW6010C	7440-50-8	Copper	mg/kg	12.5		10.8		40.9		7.3		72.1		12.4	
SW6010C	7439-89-6	Iron	mg/kg	15000		15800		19700		6820		12500		14200	
SW6010C	7439-92-1	Lead	mg/kg	53.2		44.1		62.3		17.3		81.4		37.2	
SW6010C	7439-95-4	Magnesium	mg/kg	2670		2220		12600		6580		12200		2960	
SW6010C	7439-96-5	Manganese	mg/kg	185		188		727		211		277		1120	
SW6010C	7440-02-0	Nickel	mg/kg	16.2		15.3		30.6		4.9	J	10.9		13.8	
SW6010C	7440-09-7	Potassium	mg/kg	1640		1200		5000		914		1450		2680	
SW6010C	7782-49-2	Selenium	mg/kg	4.8	U	4.8	U	5.3	U	4.4	U	2.3	J	0.73	J
SW6010C	7440-22-4	Silver	mg/kg	0.73	U	0.72	U	0.79	U	0.66	U	0.66	U	0.66	U
SW6010C	7440-23-5	Sodium	mg/kg	343		728		932		327		163		204	
SW6010C	7440-28-0	Thallium	mg/kg	7.3	U	7.2	U	7.9	U	6.6	U	6.6	U	6.6	U
SW6010C	7440-62-2	Vanadium	mg/kg	17.1		16.1		19.3		9.9		13.3		17.9	
SW6010C	7440-66-6	Zinc	mg/kg	46.7		40.1		64.2		16.1		31.7		37.2	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.3	U	2.3	U	2.5	U	2.3	U	2.2	U	2.2	U
SW7471B	7439-97-6	Mercury	mg/kg	0.075		0.022		0.01	J	0.085		0.073		0.064	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	3.8	U	55	UJ	4.4	U	4	U	3.8	U	190	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	UJ
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	591-78-6	2-Hexanone	ug/kg	19	U	270	U	22	U	20	U	19	U	940	U
SW8260C	67-64-1	Acetone	ug/kg	35		270	U	13	J	20	U	5.8	J	940	U
SW8260C	71-43-2	Benzene	ug/kg	3.8	U	55	U	41		4	U	3.8	U	190	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-25-2	Bromoform	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	74-83-9	Bromomethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	UJ
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	3.8	U	55	UJ	4.4	U	4	U	3.8	U	190	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-00-3	Chloroethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	67-66-3	Chloroform	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	74-87-3	Chloromethane	ug/kg	3.8	UJ	55	UJ	4.4	UJ	4	UJ	3.8	U	190	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U

			Location ID	PDI-EW-3		PDI-EW-3		PDI-EW-3		PDI-EW-3		PDI-OFFSO-001		PDI-OFFSO-001	
			Sample ID	PDI-EW-3-10.5-11		PDI-EW-3-15-17		PDI-EW-3-25-26.7		PDI-EW-3-9-10.5		PDI-OFFSO-001-11-13		PDI-OFFSO-001-17-19	
			Start Depth	10.5		15		25		9		11		17	
			End Depth	11		17		26.7		10.5		13		19	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/16/2023		11/16/2023		11/16/2023		11/16/2023		11/10/2023		11/10/2023	
			SDG	4802150071		4802150071		4802150071		4802150071		4802147781		4802147781	
			Lab Sample ID	480-215007-2		480-215007-3		480-215007-4		480-215007-1		480-214778-1		480-214778-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	110-82-7	Cyclohexane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	3.8	U	55	U	33		4	U	3.8	U	190	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	3.8	U	31	J	4.7		4	U	3.8	U	110	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	19	U	73	J	22	U	20	U	19	U	940	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	7.8	J	270	U	22	U	20	U	19	U	940	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	19	U	270	U	22	U	20	U	19	U	940	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	100-42-5	Styrene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	108-88-3	Toluene	ug/kg	3.8	U	55	U	0.39	J	4	U	3.8	U	190	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	3.8	U	55	U	4.4	U	4	U	3.8	U	190	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	3.8	U	55	UJ	4.4	U	4	U	3.8	U	190	U
SW8260C	1330-20-7	Xylenes	ug/kg	7.6	U	110	U	2.1	J	7.9	U	7.6	U	380	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	120	U	120	U	120	U	110	U	570	U	110	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	2000	U	2000	U	2000	U	1900	U	9400	U	1900	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	200	U	200	U	210	U	190	U	960	U	140	J
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	83-32-9	Acenaphthene	ug/kg	200	U	240		210	U	190	U	960	U	52	J

			Location ID	PDI-EW-3		PDI-EW-3		PDI-EW-3		PDI-EW-3		PDI-OFFSO-001		PDI-OFFSO-001	
			Sample ID	PDI-EW-3-10.5-11		PDI-EW-3-15-17		PDI-EW-3-25-26.7		PDI-EW-3-9-10.5		PDI-OFFSO-001-11-13		PDI-OFFSO-001-17-19	
			Start Depth	10.5		15		25		9		11		17	
			End Depth	11		17		26.7		10.5		13		19	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/16/2023		11/16/2023		11/16/2023		11/16/2023		11/10/2023		11/10/2023	
			SDG	4802150071		4802150071		4802150071		4802150071		4802147781		4802147781	
			Lab Sample ID	480-215007-2		480-215007-3		480-215007-4		480-215007-1		480-214778-1		480-214778-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	200	U	200	U	210	U	190	U	250	J	190	U
SW8270D	98-86-2	Acetophenone	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	120-12-7	Anthracene	ug/kg	200	U	350		90	J	190	U	500	J	190	U
SW8270D	1912-24-9	Atrazine	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	200	UJ	200	UJ	210	UJ	190	UJ	960	U	190	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	200	U	200	U	210	U	190	U	2100		190	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	200	U	200	U	210	U	190	U	2800		190	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	200	U	200	U	210	U	190	U	2700		190	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	200	U	200	U	210	U	190	U	1900		190	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	200	U	200	U	210	U	190	U	1600		190	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	105-60-2	Caprolactam	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	86-74-8	Carbazole	ug/kg	200	U	35	J	210	U	190	U	110	J	190	U
SW8270D	218-01-9	Chrysene	ug/kg	200	U	200	U	210	U	190	U	2000		190	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	200	U	200	U	210	U	190	U	490	J	190	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	200	U	28	J	210	U	190	U	960	U	190	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	200	U	200	U	210	U	190	U	960	U	220	
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	206-44-0	Fluoranthene	ug/kg	200	U	48	J	210	U	190	U	3500		29	J
SW8270D	86-73-7	Fluorene	ug/kg	200	U	190	J	210	U	190	U	180	J	26	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	200	U	200	U	210	U	190	U	1800		190	U
SW8270D	78-59-1	Isophorone	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	91-20-3	Naphthalene	ug/kg	200	U	200	U	210	U	190	U	960	U	140	J
SW8270D	98-95-3	Nitrobenzene	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	400	U	400	U	400	U	380	U	1900	U	370	U
SW8270D	85-01-8	Phenanthrene	ug/kg	200	U	66	J	210	U	190	U	1600		68	J
SW8270D	108-95-2	Phenol	ug/kg	200	U	200	U	210	U	190	U	960	U	190	U
SW8270D	129-00-0	Pyrene	ug/kg	200	U	52	J	210	U	190	U	3000		38	J
SW9012	57-12-5	Cyanide	mg/kg	0.55	J	1.1	U	4.6	J	1	U	1.1	U	1.1	U

		Location ID	PDI-OFFSO-001		PDI-OFFSO-002		PDI-OFFSO-002		PDI-OFFSO-002		PDI-OFFSO-003		PDI-OFFSO-003	
		Sample ID	PDI-OFFSO-001-27-28.3		PDI-OFFSO-002-17-19		PDI-OFFSO-002-21-23		PDI-OFFSO-002-25-26.6		PDI-OFFSO-003-13-15		PDI-OFFSO-003-19-21	
		Start Depth	27		17		21		25		13		19	
		End Depth	28.3		19		23		26.6		15		21	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/10/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023	
		SDG	4802147781		4802147201		4802147201		4802147201		4802147201		4802147201	
		Lab Sample ID	480-214778-3		480-214720-4		480-214720-5		480-214720-6		480-214720-1		480-214720-2	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	1.1	U	1.1	U	1.1	U	0.85	U	0.94	U	1.1	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.7	U	2.7	U	2.7	U	2.1	U	2.3	U	2.7	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.7	U	2.7	U	2.7	U	2.1	U	2.3	U	2.7	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6.8	U	6.8	U	6.6	U	5.3	U	5.9	U	6.8	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6.8	U	6.8	U	6.6	U	5.3	U	5.9	U	6.8	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.4	U	1.4	U	1.3	U	1.1	U	1.2	U	1.4	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	1.1	U	1.1	U	1.1	U	0.85	U	0.94	U	1.1	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	1.1	U	1.1	U	1.1	U	0.85	U	0.94	U	1.1	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.54	U	0.55	U	0.53	U	0.43	U	0.47	U	0.55	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.54	U	0.55	U	0.53	U	0.43	U	0.47	U	0.55	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	1.1	U	1.1	U	1.1	U	0.85	U	0.94	U	1.1	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.54	U	0.55	U	0.53	U	0.43	U	0.47	U	0.55	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.54	U	0.55	U	0.53	U	0.43	U	0.47	U	0.55	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	1.1	U	1.1	U	1.1	U	0.85	U	0.94	U	1.1	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.54	U	0.55	U	0.53	U	0.43	U	0.47	U	0.55	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.27	U	0.27	U	0.27	U	0.21	U	0.23	U	0.27	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	1.1	U	1.1	U	1.1	U	0.85	U	0.94	U	1.1	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	1.1	U	1.1	U	1.1	U	0.85	U	0.94	U	1.1	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	1.1	U	1.1	U	1.1	U	0.85	U	0.94	U	1.1	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	11.4		17.4		14.4		11.4		14.1		15.9	
SW6010C	7429-90-5	Aluminum	mg/kg	8030		14700		10600		10700		12700		11000	
SW6010C	7440-36-0	Antimony	mg/kg	2.4	J	2.3	J	3	J	0.49	J	2.2	J	4.4	J
SW6010C	7440-38-2	Arsenic	mg/kg	7.1		5.3		4.3		12		6.3		10.7	
SW6010C	7440-39-3	Barium	mg/kg	25.1		68.7		36		39.3		103		58.7	
SW6010C	7440-41-7	Beryllium	mg/kg	0.44		0.89		0.63		0.58		0.84		0.74	

		Location ID	PDI-OFFSO-001		PDI-OFFSO-002		PDI-OFFSO-002		PDI-OFFSO-002		PDI-OFFSO-003		PDI-OFFSO-003	
		Sample ID	PDI-OFFSO-001-27-28.3		PDI-OFFSO-002-17-19		PDI-OFFSO-002-21-23		PDI-OFFSO-002-25-26.6		PDI-OFFSO-003-13-15		PDI-OFFSO-003-19-21	
		Start Depth	27		17		21		25		13		19	
		End Depth	28.3		19		23		26.6		15		21	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/10/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023	
		SDG	4802147781		4802147201		4802147201		4802147201		4802147201		4802147201	
		Lab Sample ID	480-214778-3		480-214720-4		480-214720-5		480-214720-6		480-214720-1		480-214720-2	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW6010C	7440-43-9	Cadmium	mg/kg	0.26	U	0.32		0.16	J	0.23	U	0.5		0.13	J
SW6010C	7440-70-2	Calcium	mg/kg	21600		17200		10300		129000		11300		3420	
SW6010C	7440-47-3	Chromium, Total	mg/kg	11.4		17.4		14.4		11.4		14.1		15.9	
SW6010C	7440-48-4	Cobalt	mg/kg	7		8.1		7.1		12.5		8.4		9.5	
SW6010C	7440-50-8	Copper	mg/kg	14.1		11.6		12		20	J	14.3		10.7	
SW6010C	7439-89-6	Iron	mg/kg	17200		17500		16800		10300		15000		23500	
SW6010C	7439-92-1	Lead	mg/kg	47.2		29.2		23.7		15.5		27.3		31.1	
SW6010C	7439-95-4	Magnesium	mg/kg	13800		9980		6890		4160		6400		2720	
SW6010C	7439-96-5	Manganese	mg/kg	274		704		260		365		1180		1020	
SW6010C	7440-02-0	Nickel	mg/kg	21.4		18.9		17.4		17.5		19.7		18.7	
SW6010C	7440-09-7	Potassium	mg/kg	2260		5700		4110		5380		5190		4490	
SW6010C	7782-49-2	Selenium	mg/kg	0.67	J	5.7	U	0.59	J	4.5	U	1.4	J	0.66	J
SW6010C	7440-22-4	Silver	mg/kg	0.79	U	0.86	U	0.81	U	0.68	U	3.6	U	0.82	U
SW6010C	7440-23-5	Sodium	mg/kg	380		146	J	127	J	455		196		329	
SW6010C	7440-28-0	Thallium	mg/kg	7.9	U	8.6	U	8.1	U	6.8	U	7.2	U	8.2	U
SW6010C	7440-62-2	Vanadium	mg/kg	18.1		22.7		25.1		14.7		18.7		21.2	
SW6010C	7440-66-6	Zinc	mg/kg	58.9		36.9		31.3		57.3		55.7		40.1	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.7	U	2.7	U	2.6	U	2.1	U	2.3	U	2.7	U
SW7471B	7439-97-6	Mercury	mg/kg	0.012	J	0.047		0.02	J	0.011	J	0.045		0.029	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	591-78-6	2-Hexanone	ug/kg	24	U	750	U	1200	U	22	U	21	U	1300	U
SW8260C	67-64-1	Acetone	ug/kg	16	J	750	U	1200	U	6.8	J	10	J	1300	U
SW8260C	71-43-2	Benzene	ug/kg	4.8	U	150	U	240	U	4.4	U	1.4	J	260	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-25-2	Bromoform	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	74-83-9	Bromomethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	3.9	J	150	UJ	240	UJ	4.4	U	4.3	U	260	UJ
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-00-3	Chloroethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	67-66-3	Chloroform	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	74-87-3	Chloromethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U

			Location ID	PDI-OFFSO-001		PDI-OFFSO-002		PDI-OFFSO-002		PDI-OFFSO-002		PDI-OFFSO-003		PDI-OFFSO-003	
			Sample ID	PDI-OFFSO-001-27-28.3		PDI-OFFSO-002-17-19		PDI-OFFSO-002-21-23		PDI-OFFSO-002-25-26.6		PDI-OFFSO-003-13-15		PDI-OFFSO-003-19-21	
			Start Depth	27		17		21		25		13		19	
			End Depth	28.3		19		23		26.6		15		21	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/10/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023	
			SDG	4802147781		4802147201		4802147201		4802147201		4802147201		4802147201	
			Lab Sample ID	480-214778-3		480-214720-4		480-214720-5		480-214720-6		480-214720-1		480-214720-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	110-82-7	Cyclohexane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	4.8	U	150	U	240	U	4.4	UJ	4.3	UJ	260	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	24	U	750	U	1200	U	22	U	21	U	1300	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	2.1	J	750	U	1200	U	22	U	21	U	1300	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	24	U	750	U	1200	U	22	U	21	U	1300	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	100-42-5	Styrene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	108-88-3	Toluene	ug/kg	4.8	U	150	U	240	U	0.34	J	0.34	J	260	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	4.8	U	150	U	240	U	4.4	U	4.3	U	260	U
SW8260C	1330-20-7	Xylenes	ug/kg	9.6	U	300	U	480	U	8.7	U	8.6	U	520	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	680	U	140	UJ	130	UJ	110	UJ	120	UJ	140	UJ
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	11000	U	2200	U	2200	U	1800	U	1900	U	2300	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	83-32-9	Acenaphthene	ug/kg	1200	U	230	U	220	U	440		200	U	230	U

			Location ID	PDI-OFFSO-001		PDI-OFFSO-002		PDI-OFFSO-002		PDI-OFFSO-002		PDI-OFFSO-003		PDI-OFFSO-003	
			Sample ID	PDI-OFFSO-001-27-28.3		PDI-OFFSO-002-17-19		PDI-OFFSO-002-21-23		PDI-OFFSO-002-25-26.6		PDI-OFFSO-003-13-15		PDI-OFFSO-003-19-21	
			Start Depth	27		17		21		25		13		19	
			End Depth	28.3		19		23		26.6		15		21	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/10/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023	
			SDG	4802147781		4802147201		4802147201		4802147201		4802147201		4802147201	
			Lab Sample ID	480-214778-3		480-214720-4		480-214720-5		480-214720-6		480-214720-1		480-214720-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	1200	U	230	U	220	U	260		200	U	230	U
SW8270D	98-86-2	Acetophenone	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	120-12-7	Anthracene	ug/kg	1200	U	230	U	220	U	510		200	U	230	U
SW8270D	1912-24-9	Atrazine	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	580	J	230	U	470		320		200	U	290	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	420	J	230	U	370		300		200	U	170	J
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	260	J	230	U	190	J	170	J	200	U	120	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	180	J	230	U	180	J	140	J	200	U	230	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	1200	U	230	U	150	J	97	J	200	U	230	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	1200	U	230	U	220	U	64	J	200	U	230	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	105-60-2	Caprolactam	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	86-74-8	Carbazole	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	218-01-9	Chrysene	ug/kg	550	J	230	U	470		310		200	U	280	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	1200	U	230	U	220	U	73	J	200	U	230	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	206-44-0	Fluoranthene	ug/kg	1500		230	U	580		530		200	U	460	
SW8270D	86-73-7	Fluorene	ug/kg	1200	U	230	U	220	U	530		200	U	230	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	1200	U	230	U	110	J	98	J	200	U	230	U
SW8270D	78-59-1	Isophorone	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	91-20-3	Naphthalene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	2200	U	450	U	440	U	360	U	390	U	450	U
SW8270D	85-01-8	Phenanthrene	ug/kg	1200	U	230	U	220	U	1900		200	U	230	U
SW8270D	108-95-2	Phenol	ug/kg	1200	U	230	U	220	U	180	U	200	U	230	U
SW8270D	129-00-0	Pyrene	ug/kg	2600		230	U	1200		1300		200	U	900	
SW9012	57-12-5	Cyanide	mg/kg	1.3	U	1.3	U	1.2	U	1	U	1.1	U	1.2	U

		Location ID	PDI-OFFSO-003		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004	
		Sample ID	PDI-OFFSO-003-27-27.8		PDI-OFFSO-004-13-15		PDI-OFFSO-004-13-15-DUP		PDI-OFFSO-004-25-26		PDI-OFFSO-004-31-33		PDI-OFFSO-004-33-34.8	
		Start Depth	27		13		13		25		31		33	
		End Depth	27.8		15		15		26		33		34.8	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/9/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023	
		SDG	4802147201		4802146651		4802146651		4802146651		4802146651		4802146651	
		Lab Sample ID	480-214720-3		480-214665-2		480-214665-3		480-214665-4		480-214665-5		480-214665-6	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.96	U	0.94	U	1	U	1.1	U	0.95	U	0.84	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.3	U	2.6	U	2.7	U	2.4	U	2.1	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.3	U	2.6	U	2.7	U	2.4	U	2.1	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6	U	5.9	U	6.5	U	6.9	U	5.9	U	5.3	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6	U	5.9	U	6.5	U	6.9	U	5.9	U	5.3	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.2	U	1.3	U	1.4	U	1.2	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.96	U	0.94	U	1	U	1.1	U	0.95	U	0.84	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.96	U	0.94	U	1	U	1.1	U	0.95	U	0.84	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.48	U	0.47	U	0.52	U	0.55	U	0.47	U	0.42	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.48	U	0.47	U	0.52	U	0.55	U	0.47	U	0.42	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.96	U	0.94	U	1	U	1.1	U	0.95	U	0.84	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.48	U	0.47	U	0.52	U	0.55	U	0.47	U	0.42	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.48	U	0.47	U	0.52	U	0.55	U	0.47	U	0.42	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.96	U	0.94	U	1	U	1.1	U	0.95	U	0.84	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.48	U	0.47	U	0.52	U	0.55	U	0.47	U	0.42	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.24	U	0.23	U	0.26	U	0.27	U	0.24	U	0.21	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.96	U	0.94	U	1	U	1.1	U	0.95	U	0.84	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.96	U	0.94	U	1	U	1.1	U	0.95	U	0.84	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.96	U	0.94	U	1	U	1.1	U	0.95	U	0.84	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	11.4		16.3		17.4		15		10.2		9.5	
SW6010C	7429-90-5	Aluminum	mg/kg	9730		14600		14200		10800		6360		6830	
SW6010C	7440-36-0	Antimony	mg/kg	1.3	J	2.3	J	2.4	J	2.6	J	1.8	J	0.64	J
SW6010C	7440-38-2	Arsenic	mg/kg	7.9		8.2		7.1		17.8		8.4		11.8	
SW6010C	7440-39-3	Barium	mg/kg	37.4		88.9		90.9		39.3		26.3		31	
SW6010C	7440-41-7	Beryllium	mg/kg	0.65		0.79		0.81		0.67		0.34		0.37	

			Location ID	PDI-OFFSO-003		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004	
			Sample ID	PDI-OFFSO-003-27-27.8		PDI-OFFSO-004-13-15		PDI-OFFSO-004-13-15-DUP		PDI-OFFSO-004-25-26		PDI-OFFSO-004-31-33		PDI-OFFSO-004-33-34.8	
			Start Depth	27		13		13		25		31		33	
			End Depth	27.8		15		15		26		33		34.8	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/9/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023	
			SDG	4802147201		4802146651		4802146651		4802146651		4802146651		4802146651	
			Lab Sample ID	480-214720-3		480-214665-2		480-214665-3		480-214665-4		480-214665-5		480-214665-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.04	J	0.35		0.37		0.23	J	0.1	J	0.1	J
SW6010C	7440-70-2	Calcium	mg/kg	103000		5150		4670		19700		31500		71200	
SW6010C	7440-47-3	Chromium, Total	mg/kg	11.4		16.3		17.4		15		10.2		9.5	
SW6010C	7440-48-4	Cobalt	mg/kg	9		8.9		8.9		8.5		7.1		4.8	
SW6010C	7440-50-8	Copper	mg/kg	15.9		11.8		12.4		13.8		7.7		9.6	
SW6010C	7439-89-6	Iron	mg/kg	13600		17700		16700		16000		12100		9470	
SW6010C	7439-92-1	Lead	mg/kg	11.9		21.3		22.2		29.9		13.7		17.4	
SW6010C	7439-95-4	Magnesium	mg/kg	18800		3060		3040		13400		20700		38500	
SW6010C	7439-96-5	Manganese	mg/kg	517		1390		1070		461		289		396	
SW6010C	7440-02-0	Nickel	mg/kg	16		17.7		20.1		20.2		15.2		11.2	
SW6010C	7440-09-7	Potassium	mg/kg	5110		4270		4370		4970		2200		3340	
SW6010C	7782-49-2	Selenium	mg/kg	5	U	1.5	J	1.5	J	0.54	J	4.9	U	4.5	U
SW6010C	7440-22-4	Silver	mg/kg	0.75	U	3.7	U	0.74	U	0.8	U	3.7	U	3.4	U
SW6010C	7440-23-5	Sodium	mg/kg	431		209		220		427		335		383	
SW6010C	7440-28-0	Thallium	mg/kg	7.5	U	7.4	U	7.4	U	8	U	7.4	U	6.8	U
SW6010C	7440-62-2	Vanadium	mg/kg	16.8		25		24.2		18.5		12.1		11.6	
SW6010C	7440-66-6	Zinc	mg/kg	44		61		58.1		79.9		51.7		43.1	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.4	U	2.4	U	2.6	U	2.7	U	2.3	U	2.1	U
SW7471B	7439-97-6	Mercury	mg/kg	0.0091	J	0.054		0.069		0.011	J	0.0058	J	0.0091	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	591-78-6	2-Hexanone	ug/kg	26	U	24	U	24	U	27	U	18	U	18	U
SW8260C	67-64-1	Acetone	ug/kg	13	J	140		150		32		21		14	J
SW8260C	71-43-2	Benzene	ug/kg	1.6	J	4.8	U	4.8	U	0.59	J	0.56	J	0.8	J
SW8260C	75-27-4	Bromodichloromethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	75-25-2	Bromoform	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	74-83-9	Bromomethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	75-00-3	Chloroethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	67-66-3	Chloroform	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	74-87-3	Chloromethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U

		Location ID	PDI-OFFSO-003		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004	
		Sample ID	PDI-OFFSO-003-27-27.8		PDI-OFFSO-004-13-15		PDI-OFFSO-004-13-15-DUP		PDI-OFFSO-004-25-26		PDI-OFFSO-004-31-33		PDI-OFFSO-004-33-34.8	
		Start Depth	27		13		13		25		31		33	
		End Depth	27.8		15		15		26		33		34.8	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/9/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023	
		SDG	4802147201		4802146651		4802146651		4802146651		4802146651		4802146651	
		Lab Sample ID	480-214720-3		480-214665-2		480-214665-3		480-214665-4		480-214665-5		480-214665-6	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	110-82-7	Cyclohexane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	0.76	J	4.8	U	4.8	U	5.4	U	0.29	J	0.57	J
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	1.3	J	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	26	U	24	U	24	U	27	U	18	U	18	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	26	U	26		25		27	U	18	U	2	J
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	26	U	24	U	24	U	27	U	18	U	18	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	0.63	J	1.2	J
SW8260C	75-09-2	Methylene Chloride	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	1.6	J
SW8260C	100-42-5	Styrene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	108-88-3	Toluene	ug/kg	0.42	J	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	5.2	U	4.8	U	4.8	U	5.4	U	3.5	U	3.5	U
SW8260C	1330-20-7	Xylenes	ug/kg	10	U	9.5	U	9.5	U	11	U	1.1	J	2.8	J
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	120	UJ	130	UJ	130	UJ	140	UJ	120	UJ	110	UJ
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	2000	U	2100	U	2200	U	2300	U	1900	U	1800	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	83-32-9	Acenaphthene	ug/kg	46	J	210	U	220	U	240		300		110	J

			Location ID	PDI-OFFSO-003		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004		PDI-OFFSO-004	
			Sample ID	PDI-OFFSO-003-27-27.8		PDI-OFFSO-004-13-15		PDI-OFFSO-004-13-15-DUP		PDI-OFFSO-004-25-26		PDI-OFFSO-004-31-33		PDI-OFFSO-004-33-34.8	
			Start Depth	27		13		13		25		31		33	
			End Depth	27.8		15		15		26		33		34.8	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/9/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023	
			SDG	4802147201		4802146651		4802146651		4802146651		4802146651		4802146651	
			Lab Sample ID	480-214720-3		480-214665-2		480-214665-3		480-214665-4		480-214665-5		480-214665-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	200	U	210	U	220	U	230	U	71	J	180	U
SW8270D	98-86-2	Acetophenone	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	120-12-7	Anthracene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	1912-24-9	Atrazine	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	105-60-2	Caprolactam	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	86-74-8	Carbazole	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	218-01-9	Chrysene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	206-44-0	Fluoranthene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	86-73-7	Fluorene	ug/kg	50	J	210	U	220	U	230	U	34	J	180	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	78-59-1	Isophorone	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	91-20-3	Naphthalene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	390	U	420	U	430	U	450	U	390	U	360	U
SW8270D	85-01-8	Phenanthrene	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	108-95-2	Phenol	ug/kg	200	U	210	U	220	U	230	U	200	U	180	U
SW8270D	129-00-0	Pyrene	ug/kg	28	J	210	U	220	U	230	U	200	U	180	U
SW9012	57-12-5	Cyanide	mg/kg	1.1	U	1.2	U	0.62	J	1.1	J	1.1	U	0.96	U

			Location ID	PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-006		PDI-OFFSO-006	
			Sample ID	PDI-OFFSO-005-15-17		PDI-OFFSO-005-17-18.7		PDI-OFFSO-005-5-7		PDI-OFFSO-005-9-11		PDI-OFFSO-006-17-17.6		PDI-OFFSO-006-7-9			
			Start Depth	15		17		5		9		17		7			
			End Depth	17		18.7		7		11		17.6		9			
			Depth Unit	ft		ft		ft		ft		ft		ft			
			Sample Date	11/6/2023		11/6/2023		11/6/2023		11/6/2023		10/31/2023		10/31/2023			
			SDG	4802146151		4802146151		4802146151		4802146151		4802144001		4802144001			
			Lab Sample ID	480-214615-3		480-214615-4		480-214615-1		480-214615-2		480-214400-7		480-214400-5			
			Matrix	SO		SO		SO		SO		SO		SO			
			Sample Type Code	N		N		N		N		N		N			
Method	CAS_RN	Chemical Name	Unit														
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.97	U	0.95	U	0.91	U	0.91	U	1	U	1.2	U		
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	0.2	J	2.3	U	2.3	U	2.6	U	2.9	UJ		
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.4	U	2.3	U	2.3	U	2.6	U	0.19	J		
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6.1	U	5.9	U	5.7	U	5.7	U	6.5	U	7.3	U		
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6.1	U	5.9	U	5.7	U	5.7	U	6.5	U	7.3	U		
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.2	U	1.1	U	1.1	U	1.3	U	1.5	U		
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.97	U	0.95	U	0.91	U	0.91	U	1	U	1.2	U		
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.97	U	0.95	U	0.91	U	0.91	U	1	U	1.2	U		
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	UJ		
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.23	J		
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.48	U	0.47	U	0.45	U	0.45	U	0.52	U	0.58	U		
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.48	U	0.47	U	0.45	U	0.45	U	0.52	U	0.58	U		
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.97	U	0.95	U	0.91	U	0.91	U	1	U	1.2	U		
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.48	U	0.47	U	0.45	U	0.45	U	0.52	U	0.58	U		
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.48	U	0.47	U	0.45	U	0.45	U	0.52	U	0.58	U		
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.97	U	0.95	U	0.062	J	0.91	U	1	U	1	J		
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.095	JN	2	J		
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.24	U	0.24	U	0.023	J	0.23	U	0.26	U	0.29	U		
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.24	U	0.016	JN	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.24	U	0.24	U	0.14	J	0.23	U	0.26	U	0.29	U		
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.46	J		
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.48	U	0.47	U	0.45	U	0.45	U	0.52	U	0.58	U		
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.24	U	0.24	U	0.23	U	0.23	U	0.26	U	0.29	U		
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.97	U	0.95	U	0.91	U	0.91	U	1	U	1.2	U		
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.97	U	0.95	U	0.91	U	0.91	U	1	U	1.2	U		
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.97	U	0.95	U	0.91	U	0.91	U	1	U	1.2	U		
SM3500-CRD	16065-83-1	Chromium III	mg/kg	8.9		14.8		12.3		10.2		12.5		95.3			
SW6010C	7429-90-5	Aluminum	mg/kg	7600		14500		11300		7250		8810		6470			
SW6010C	7440-36-0	Antimony	mg/kg	2.3	J	0.89	J	1.1	J	1.5	J	6.9	J	98.5			
SW6010C	7440-38-2	Arsenic	mg/kg	4.1		6.5		5.4		4.1		12.7		42.1			
SW6010C	7440-39-3	Barium	mg/kg	36		42.4		77.6		51.2		62.4		681			
SW6010C	7440-41-7	Beryllium	mg/kg	0.33		0.79		0.46		0.29		0.44		0.35			

			Location ID	PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-006		PDI-OFFSO-006	
			Sample ID	PDI-OFFSO-005-15-17		PDI-OFFSO-005-17-18.7		PDI-OFFSO-005-5-7		PDI-OFFSO-005-9-11		PDI-OFFSO-006-17-17.6		PDI-OFFSO-006-7-9	
			Start Depth	15		17		5		9		17		7	
			End Depth	17		18.7		7		11		17.6		9	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/6/2023		11/6/2023		11/6/2023		11/6/2023		10/31/2023		10/31/2023	
			SDG	4802146151		4802146151		4802146151		4802146151		4802144001		4802144001	
			Lab Sample ID	480-214615-3		480-214615-4		480-214615-1		480-214615-2		480-214400-7		480-214400-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.12	J	0.24	U	0.1	J	0.088	J	3.3		15.4	
SW6010C	7440-70-2	Calcium	mg/kg	13300		149000		81700		37300		41800		5480	
SW6010C	7440-47-3	Chromium, Total	mg/kg	8.9		14.8		12.3		10.2		12.5		95.3	
SW6010C	7440-48-4	Cobalt	mg/kg	5.3		6.9		5.7		4		8.4		5.1	
SW6010C	7440-50-8	Copper	mg/kg	8.7		10.8		15.9		11.9		703		27300	
SW6010C	7439-89-6	Iron	mg/kg	13500		16800		14100		11700		42300		102000	
SW6010C	7439-92-1	Lead	mg/kg	16.3		7		40.6		56.9		273		6650	
SW6010C	7439-95-4	Magnesium	mg/kg	4750		25200		17800		8920		9000		1660	
SW6010C	7439-96-5	Manganese	mg/kg	241		549		330		469		735		402	
SW6010C	7440-02-0	Nickel	mg/kg	12.6		16.8		11.3		9		24.1		161	
SW6010C	7440-09-7	Potassium	mg/kg	1350		6500		4260		1820		2430		506	
SW6010C	7782-49-2	Selenium	mg/kg	5	U	4.9	U	4.3	U	4.8	U	5.3	U	1	J
SW6010C	7440-22-4	Silver	mg/kg	0.4	J	0.36	J	0.43	J	0.72	U	1		97.1	
SW6010C	7440-23-5	Sodium	mg/kg	420		537		340		492		417		824	
SW6010C	7440-28-0	Thallium	mg/kg	7.5	U	7.3	U	6.5	U	7.2	U	8	U	9.6	U
SW6010C	7440-62-2	Vanadium	mg/kg	14.3		24		16.1		16		17.5		31.3	
SW6010C	7440-66-6	Zinc	mg/kg	29.1		17.9		29.6		30.3		1190		8400	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.4	U	2.4	U	2.2	U	2.4	U	2.6	UJ	3.1	UJ
SW7471B	7439-97-6	Mercury	mg/kg	0.029		0.025	U	0.049		0.059		0.27		38.9	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	260	U	110	U	4.3	U	46	U	110	UJ	6.8	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	260	U	110	U	4.3	UJ	46	U	110	U	6.8	UJ
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	591-78-6	2-Hexanone	ug/kg	1300	U	570	U	22	U	230	U	550	U	34	U
SW8260C	67-64-1	Acetone	ug/kg	1300	U	570	U	22	U	230	U	550	U	450	
SW8260C	71-43-2	Benzene	ug/kg	350		130		4.3	U	1600		110	U	0.37	J
SW8260C	75-27-4	Bromodichloromethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	75-25-2	Bromoform	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	74-83-9	Bromomethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	260	U	110	U	4.3	U	46	U	110	U	3.9	J
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	260	UJ	110	UJ	4.3	U	46	UJ	110	UJ	6.8	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	2.5	J
SW8260C	75-00-3	Chloroethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	67-66-3	Chloroform	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	74-87-3	Chloromethane	ug/kg	260	U	110	U	4.3	UJ	46	U	110	U	6.8	UJ
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U

			Location ID	PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-006		PDI-OFFSO-006	
			Sample ID	PDI-OFFSO-005-15-17		PDI-OFFSO-005-17-18.7		PDI-OFFSO-005-5-7		PDI-OFFSO-005-9-11		PDI-OFFSO-006-17-17.6		PDI-OFFSO-006-7-9	
			Start Depth	15		17		5		9		17		7	
			End Depth	17		18.7		7		11		17.6		9	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/6/2023		11/6/2023		11/6/2023		11/6/2023		10/31/2023		10/31/2023	
			SDG	4802146151		4802146151		4802146151		4802146151		4802144001		4802144001	
			Lab Sample ID	480-214615-3		480-214615-4		480-214615-1		480-214615-2		480-214400-7		480-214400-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	110-82-7	Cyclohexane	ug/kg	260	U	110	U	4.3	UJ	46	U	110	U	1.1	J
SW8260C	124-48-1	Dibromochloromethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	200	J	98	J	4.3	U	200		180		0.48	J
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	130	J	34	J	4.3	U	34	J	98	J	3.4	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	1300	U	570	U	22	U	230	U	550	U	34	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	1300	U	570	U	22	U	230	U	550	U	90	J
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	1300	U	570	U	22	U	230	U	550	U	34	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	260	U	110	U	4.3	UJ	46	U	110	U	6.8	UJ
SW8260C	75-09-2	Methylene Chloride	ug/kg	260	U	110	U	4.3	U	29	J	41	J	6.8	U
SW8260C	100-42-5	Styrene	ug/kg	260	U	110	U	4.3	U	46	U	110	UJ	6.8	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	108-88-3	Toluene	ug/kg	260	U	110	U	4.3	U	170		110	U	1.1	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	260	U	110	U	4.3	U	46	U	110	U	6.8	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	260	U	110	U	4.3	UJ	46	U	110	U	6.8	UJ
SW8260C	75-01-4	Vinyl Chloride	ug/kg	260	UJ	110	UJ	4.3	UJ	46	UJ	110	U	6.8	UJ
SW8260C	1330-20-7	Xylenes	ug/kg	520	U	230	U	8.6	U	160		220	U	3.2	J
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	610	U	120	U	110	U	120	U	640	U	3100	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	10000	U	2000	U	1900	U	1900	U	11000	U	52000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	1000	U	66	J	190	U	150	J	1100	U	5300	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	83-32-9	Acenaphthene	ug/kg	6300		5400		190	U	750		1800		1900	J

		Location ID	PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-005		PDI-OFFSO-006		PDI-OFFSO-006	
		Sample ID	PDI-OFFSO-005-15-17		PDI-OFFSO-005-17-18.7		PDI-OFFSO-005-5-7		PDI-OFFSO-005-9-11		PDI-OFFSO-006-17-17.6		PDI-OFFSO-006-7-9	
		Start Depth	15		17		5		9		17		7	
		End Depth	17		18.7		7		11		17.6		9	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/6/2023		11/6/2023		11/6/2023		11/6/2023		10/31/2023		10/31/2023	
		SDG	4802146151		4802146151		4802146151		4802146151		4802144001		4802144001	
		Lab Sample ID	480-214615-3		480-214615-4		480-214615-1		480-214615-2		480-214400-7		480-214400-5	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW8270D	208-96-8	Acenaphthylene	ug/kg	750	J	1100		100	J	99	J	160	J	5300	U
SW8270D	98-86-2	Acetophenone	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	120-12-7	Anthracene	ug/kg	3100		2500		190	U	430		1300		7700	
SW8270D	1912-24-9	Atrazine	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	1700		1500		190		1000		2100		27000	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	1700		1500		380		920		1800		19000	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	1100		890		390		980		2300		42000	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	990	J	870		390		590		1400		27000	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	400	J	390		140	J	410		920	J	23000	
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	1500		1400		190	U	150	J	350	J	5300	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	1000	UJ	210	UJ	190	UJ	200	UJ	1100	U	5300	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	105-60-2	Caprolactam	ug/kg	1000	U	210	U	89	J	72	J	1100	U	5300	U
SW8270D	86-74-8	Carbazole	ug/kg	1000	U	26	J	190	U	61	J	1100	U	2900	J
SW8270D	218-01-9	Chrysene	ug/kg	1600		1200		260		1000		2400		38000	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	200	J	180	J	100	J	160	J	400	J	8300	
SW8270D	132-64-9	Dibenzofuran	ug/kg	240	J	210	U	190	U	120	J	230	J	3200	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	206-44-0	Fluoranthene	ug/kg	4000		3300		230		2400		5300		63000	
SW8270D	86-73-7	Fluorene	ug/kg	3500		2900		23	J	280		1200		6400	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	590	J	570		290		470		1200		23000	
SW8270D	78-59-1	Isophorone	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	91-20-3	Naphthalene	ug/kg	340	J	90	J	190	U	480		810	J	870	J
SW8270D	98-95-3	Nitrobenzene	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	2000	U	400	U	370	U	390	U	2100	U	10000	U
SW8270D	85-01-8	Phenanthrene	ug/kg	13000		9400		100	J	2000		5700		54000	
SW8270D	108-95-2	Phenol	ug/kg	1000	U	210	U	190	U	200	U	1100	U	5300	U
SW8270D	129-00-0	Pyrene	ug/kg	6000		4900		420		1900		5000		49000	
SW9012	57-12-5	Cyanide	mg/kg	1.1	U	1.2	U	0.98	U	1	U	1.3		1.4	U

		Location ID	PDI-OFFSO-006		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-008	
		Sample ID	PDI-OFFSO-006-9-11		PDI-OFFSO-007-13-14.5		PDI-OFFSO-007-19-20.5		PDI-OFFSO-007-7-8.75		PDI-OFFSO-007-7-8.75-DUP		PDI-OFFSO-008-13-15	
		Start Depth	9		13		19		7		7		13	
		End Depth	11		14.5		20.5		8.75		8.75		15	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/31/2023		10/31/2023		10/31/2023		10/31/2023		10/31/2023		11/1/2023	
		SDG	4802144001		4802144001		4802144001		4802144001		4802144001		4802144591	
		Lab Sample ID	480-214400-6		480-214400-3		480-214400-4		480-214400-1		480-214400-2		480-214459-2	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		FD		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	1.4	U	1	U	0.92	U	0.98	U	0.99	U	2.2	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	3.5	U	2.5	U	2.3	U	2.5	U	2.5	U	5.6	UJ
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	3.5	U	2.5	U	2.3	U	2.5	U	2.5	U	5.6	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	8.9	U	6.3	U	5.7	U	6.1	U	6.2	U	14	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	8.9	U	6.3	U	5.7	U	6.1	U	6.2	U	14	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.8	U	1.3	U	1.1	U	1.2	U	1.2	U	2.8	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	1.4	U	1	U	0.92	U	0.98	U	0.99	U	2.2	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	1.4	U	1	U	0.92	U	0.98	U	0.99	U	2.2	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.14	J	0.25	U	0.23	U	0.25	U	0.25	U	0.18	J
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.71	U	0.5	U	0.46	U	0.49	U	0.5	U	1.1	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.71	U	0.5	U	0.46	U	0.49	U	0.5	U	1.1	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	1.4	U	1	U	0.92	U	0.98	U	0.99	U	2.2	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.71	U	0.5	U	0.46	U	0.49	U	0.5	U	1.1	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.71	U	0.5	U	0.46	U	0.49	U	0.5	U	1.1	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.78	J	1	U	0.92	U	0.98	U	0.99	U	0.78	J
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.12	JN	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.054	JN	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.077	JN	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.71	U	0.5	U	0.46	U	0.49	U	0.5	U	1.1	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.35	U	0.25	U	0.23	U	0.25	U	0.25	U	0.56	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	1.4	U	1	U	0.92	U	0.98	U	0.99	U	2.2	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	1.4	U	1	U	0.92	U	0.98	U	0.99	U	2.2	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	1.4	U	1	U	0.92	U	0.98	U	0.99	U	2.2	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	31.7		11.4		9.3		10.9		10.1		19.1	
SW6010C	7429-90-5	Aluminum	mg/kg	4720		11500		9600		8380		8420		11700	
SW6010C	7440-36-0	Antimony	mg/kg	562		18.6	U	17.6	U	17.6	U	19.4	U	8.1	J
SW6010C	7440-38-2	Arsenic	mg/kg	68.1		16.6		5.7		7.6		6.6		8.2	
SW6010C	7440-39-3	Barium	mg/kg	337		48.6		32.2		31.8		29.9		57.1	
SW6010C	7440-41-7	Beryllium	mg/kg	0.3	J	0.76		0.51		0.39		0.38		0.56	

			Location ID	PDI-OFFSO-006		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-008	
			Sample ID	PDI-OFFSO-006-9-11		PDI-OFFSO-007-13-14.5		PDI-OFFSO-007-19-20.5		PDI-OFFSO-007-7-8.75		PDI-OFFSO-007-7-8.75-DUP		PDI-OFFSO-008-13-15	
			Start Depth	9		13		19		7		7		13	
			End Depth	11		14.5		20.5		8.75		8.75		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/31/2023		10/31/2023		10/31/2023		10/31/2023		10/31/2023		11/1/2023	
			SDG	4802144001		4802144001		4802144001		4802144001		4802144001		4802144591	
			Lab Sample ID	480-214400-6		480-214400-3		480-214400-4		480-214400-1		480-214400-2		480-214459-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		FD		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	14.1		0.25	U	0.24	U	0.24	U	0.26	U	0.18	J
SW6010C	7440-70-2	Calcium	mg/kg	58500		93400		213000		1670		1460		35400	
SW6010C	7440-47-3	Chromium, Total	mg/kg	31.7		11.4		9.3		10.9		10.1		19.1	
SW6010C	7440-48-4	Cobalt	mg/kg	6.6		12.9		6.4		6.8		6.3		7.7	
SW6010C	7440-50-8	Copper	mg/kg	28400		38.9		8		11		10		77.8	
SW6010C	7439-89-6	Iron	mg/kg	99800		29000		18300		17400		14900		21600	
SW6010C	7439-92-1	Lead	mg/kg	7660		13.1		4.9		12.1		10		64	
SW6010C	7439-95-4	Magnesium	mg/kg	7790		19300		30900		2120		2120		8520	
SW6010C	7439-96-5	Manganese	mg/kg	1100		1360		748		157		117		389	
SW6010C	7440-02-0	Nickel	mg/kg	130		26.5		12.6		15.8		15.7		21.9	
SW6010C	7440-09-7	Potassium	mg/kg	706		5190		4520		1590		1580		2650	
SW6010C	7782-49-2	Selenium	mg/kg	7.5	U	5	U	4.7	U	4.7	U	5.2	U	0.82	J
SW6010C	7440-22-4	Silver	mg/kg	63.3		0.74	U	3.5	U	0.71	U	0.78	U	0.52	J
SW6010C	7440-23-5	Sodium	mg/kg	1310		294		333		72.4	J	81.1	J	452	
SW6010C	7440-28-0	Thallium	mg/kg	11.3	U	0.5	J	0.48	J	7.1	U	7.8	U	8.5	U
SW6010C	7440-62-2	Vanadium	mg/kg	24.2		18.3		13.6		18.7		15.3		23.7	
SW6010C	7440-66-6	Zinc	mg/kg	13700		35.2		11.6		41		43.5		140	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	3.7	UJ	2.5	UJ	2.3	UJ	2.4	UJ	2.4	UJ	2.7	U
SW7471B	7439-97-6	Mercury	mg/kg	6.3		0.016	J	0.021	U	0.017	J	0.012	J	0.11	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	120	UJ	100	UJ	4.3	U	5.1	U	4.3	U	150	UJ
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	120	U	100	U	4.3	UJ	5.1	UJ	4.3	UJ	150	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	591-78-6	2-Hexanone	ug/kg	620	U	520	U	21	U	26	U	21	U	760	U
SW8260C	67-64-1	Acetone	ug/kg	1100		520	U	9.2	J	26	U	5.3	J	1400	
SW8260C	71-43-2	Benzene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	310	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	75-25-2	Bromoform	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	74-83-9	Bromomethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	120	UJ	100	UJ	4.3	U	5.1	U	4.3	U	150	UJ
SW8260C	108-90-7	Chlorobenzene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	75-00-3	Chloroethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	67-66-3	Chloroform	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	74-87-3	Chloromethane	ug/kg	120	U	100	U	4.3	UJ	5.1	UJ	4.3	UJ	150	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U

			Location ID	PDI-OFFSO-006		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-008	
			Sample ID	PDI-OFFSO-006-9-11		PDI-OFFSO-007-13-14.5		PDI-OFFSO-007-19-20.5		PDI-OFFSO-007-7-8.75		PDI-OFFSO-007-7-8.75-DUP		PDI-OFFSO-008-13-15	
			Start Depth	9		13		19		7		7		13	
			End Depth	11		14.5		20.5		8.75		8.75		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/31/2023		10/31/2023		10/31/2023		10/31/2023		10/31/2023		11/1/2023	
			SDG	4802144001		4802144001		4802144001		4802144001		4802144001		4802144591	
			Lab Sample ID	480-214400-6		480-214400-3		480-214400-4		480-214400-1		480-214400-2		480-214459-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		FD		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	110-82-7	Cyclohexane	ug/kg	120	U	100	U	4.3	UJ	5.1	UJ	4.3	UJ	150	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	42	J	100	U	4.3	U	5.1	U	4.3	U	530	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	280		100	U	4.3	U	5.1	U	4.3	U	27	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	360	J	520	U	21	U	26	U	21	U	760	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	620	U	520	U	21	UJ	26	UJ	21	UJ	760	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	620	U	520	U	21	U	26	U	21	U	760	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	120	U	100	U	4.3	UJ	5.1	UJ	4.3	UJ	150	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	82	J	46	J	4.3	U	5.1	U	4.3	U	34	J
SW8260C	100-42-5	Styrene	ug/kg	120	UJ	100	UJ	4.3	U	0.59	J	0.31	J	150	UJ
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	108-88-3	Toluene	ug/kg	37	J	100	U	0.51	J	0.81	J	0.74	J	320	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	120	U	100	U	4.3	U	5.1	U	4.3	U	150	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	120	U	100	U	4.3	UJ	5.1	UJ	4.3	UJ	150	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	120	U	100	U	4.3	UJ	5.1	UJ	4.3	UJ	150	U
SW8260C	1330-20-7	Xylenes	ug/kg	250	U	210	U	8.5	U	10	U	8.5	U	320	
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	1800	U	120	U	120	U	120	U	120	U	1400	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	30000	U	2100	U	1900	U	2000	U	2000	U	23000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	5900	U	410	U	380	U	400	U	410	U	4600	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	980	J	210	U	200	U	210	U	210	U	4700	
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	5900	U	410	U	380	U	400	U	410	U	4600	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	5900	U	410	U	380	U	400	U	410	U	4600	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	5900	U	410	U	380	U	400	U	410	U	4600	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	5900	U	410	U	380	U	400	U	410	U	4600	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	5900	U	410	U	380	U	400	U	410	U	380	J
SW8270D	100-01-6	4-Nitroaniline	ug/kg	5900	U	410	U	380	U	400	U	410	U	4600	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	5900	U	410	U	380	U	400	U	410	U	4600	U
SW8270D	83-32-9	Acenaphthene	ug/kg	3900		210	U	200	U	210	U	210	U	9200	

			Location ID	PDI-OFFSO-006		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-007		PDI-OFFSO-008	
			Sample ID	PDI-OFFSO-006-9-11		PDI-OFFSO-007-13-14.5		PDI-OFFSO-007-19-20.5		PDI-OFFSO-007-7-8.75		PDI-OFFSO-007-7-8.75-DUP		PDI-OFFSO-008-13-15	
			Start Depth	9		13		19		7		7		13	
			End Depth	11		14.5		20.5		8.75		8.75		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/31/2023		10/31/2023		10/31/2023		10/31/2023		10/31/2023		11/1/2023	
			SDG	4802144001		4802144001		4802144001		4802144001		4802144001		4802144591	
			Lab Sample ID	480-214400-6		480-214400-3		480-214400-4		480-214400-1		480-214400-2		480-214459-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		FD		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	3100	U	210	U	200	U	210	U	210	U	370	J
SW8270D	98-86-2	Acetophenone	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	120-12-7	Anthracene	ug/kg	8400		210	U	200	U	210	U	210	U	18000	
SW8270D	1912-24-9	Atrazine	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	27000		210	U	200	U	210	U	210	U	22000	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	19000		210	U	200	U	210	U	210	U	20000	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	34000		210	U	200	U	210	U	210	U	21000	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	19000		210	U	200	U	210	U	210	U	14000	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	15000		210	U	200	U	210	U	210	U	11000	
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	3100	U	210	U	200	U	210	U	210	U	1200	J
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	105-60-2	Caprolactam	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	86-74-8	Carbazole	ug/kg	540	J	210	U	200	U	210	U	210	U	8900	
SW8270D	218-01-9	Chrysene	ug/kg	34000		210	U	200	U	210	U	210	U	21000	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	3100	U	210	U	200	U	210	U	210	U	4000	
SW8270D	132-64-9	Dibenzofuran	ug/kg	2600	J	210	U	200	U	210	U	210	U	8100	
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	3100	U	36	J	200	U	210	U	37	J	2400	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	206-44-0	Fluoranthene	ug/kg	68000		210	U	200	U	210	U	210	U	56000	
SW8270D	86-73-7	Fluorene	ug/kg	5400		210	U	200	U	210	U	210	U	11000	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	17000		210	U	200	U	210	U	210	U	13000	
SW8270D	78-59-1	Isophorone	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	91-20-3	Naphthalene	ug/kg	910	J	210	U	200	U	210	U	210	U	13000	
SW8270D	98-95-3	Nitrobenzene	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	5900	U	410	U	380	U	400	U	410	U	4600	U
SW8270D	85-01-8	Phenanthrene	ug/kg	47000		210	U	200	U	210	U	210	U	70000	
SW8270D	108-95-2	Phenol	ug/kg	3100	U	210	U	200	U	210	U	210	U	2400	U
SW8270D	129-00-0	Pyrene	ug/kg	54000		210	U	200	U	210	U	210	U	41000	
SW9012	57-12-5	Cyanide	mg/kg	1.2	J	1.6		1.2	UJ	1.7		0.82	J	4.2	

			Location ID	PDI-OFFSO-008		PDI-OFFSO-008		PDI-OFFSO-009		PDI-OFFSO-009		PDI-OFFSO-009		PDI-OFFSO-010	
			Sample ID	PDI-OFFSO-008-17-18.9		PDI-OFFSO-008-7-9		PDI-OFFSO-009-5-7		PDI-OFFSO-009-7-9		PDI-OFFSO-009-9-11.2		PDI-OFFSO-010-13-15	
			Start Depth	17		7		5		7		9		13	
			End Depth	18.9		9		7		9		11.2		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/1/2023		11/1/2023		11/1/2023		11/1/2023		11/1/2023		11/2/2023	
			SDG	4802144591		4802144591		4802144591		4802144591		4802144591		4802145341	
			Lab Sample ID	480-214459-3		480-214459-4		480-214459-5		480-214459-6		480-214459-7		480-214534-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	1.9	U	0.89	U	0.86	U	0.96	U	1	U	1.1	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	4.9	U	2.2	U	2.2	U	2.4	U	2.5	U	2.7	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	4.9	U	2.2	U	2.2	U	2.4	U	2.5	U	2.7	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	12	U	5.6	U	5.4	U	6	U	6.2	U	6.8	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	12	U	5.6	U	5.4	U	6	U	6.2	U	6.8	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	2.4	U	1.1	U	1.1	U	1.2	U	1.2	U	1.4	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	1.9	U	0.89	U	0.86	U	0.96	U	1	U	1.1	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	1.9	U	0.89	U	0.86	U	0.96	U	1	U	1.1	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.49	U	0.12	J	0.22	U	0.24	U	0.25	U	0.27	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.97	U	0.45	U	0.43	U	0.48	U	0.5	U	0.54	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.97	U	0.45	U	0.43	U	0.48	U	0.5	U	0.54	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	1.9	U	0.89	U	0.86	U	0.96	U	1	U	1.1	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.97	U	0.45	U	0.43	U	0.48	U	0.5	U	0.54	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.97	U	0.45	U	0.43	U	0.48	U	0.5	U	0.54	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	1.9	U	0.89	U	0.86	U	0.96	U	1	U	1.1	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.49	U	0.2	J	0.071	J	0.083	J	0.4		0.27	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.97	U	0.45	U	0.43	U	0.48	U	0.5	U	0.54	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.49	U	0.22	U	0.22	U	0.24	U	0.25	U	0.27	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	1.9	U	0.89	U	0.86	U	0.96	U	1	U	1.1	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	1.9	U	0.89	U	0.86	U	0.96	U	1	U	1.1	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	1.9	U	0.89	U	0.86	U	0.96	U	1	U	1.1	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	17.1		14.5		8.7		11.9		10.6		11	
SW6010C	7429-90-5	Aluminum	mg/kg	15800		7160		7060		9380	J	8350		6960	
SW6010C	7440-36-0	Antimony	mg/kg	2.5	J	9.1	J	4.3	J	5.6	J	3.3	J	4.5	J
SW6010C	7440-38-2	Arsenic	mg/kg	6.1		11.5		5.2		7.1		10.6		4	
SW6010C	7440-39-3	Barium	mg/kg	37.9		44.2		33.5		54.2	J	51.4		99.3	
SW6010C	7440-41-7	Beryllium	mg/kg	0.88		0.48		0.34		0.45		0.47		0.35	

			Location ID	PDI-OFFSO-008		PDI-OFFSO-008		PDI-OFFSO-009		PDI-OFFSO-009		PDI-OFFSO-009		PDI-OFFSO-010	
			Sample ID	PDI-OFFSO-008-17-18.9		PDI-OFFSO-008-7-9		PDI-OFFSO-009-5-7		PDI-OFFSO-009-7-9		PDI-OFFSO-009-9-11.2		PDI-OFFSO-010-13-15	
			Start Depth	17		7		5		7		9		13	
			End Depth	18.9		9		7		9		11.2		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/1/2023		11/1/2023		11/1/2023		11/1/2023		11/1/2023		11/2/2023	
			SDG	4802144591		4802144591		4802144591		4802144591		4802144591		4802145341	
			Lab Sample ID	480-214459-3		480-214459-4		480-214459-5		480-214459-6		480-214459-7		480-214534-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.25	U	0.091	J	0.04	J	0.068	J	0.13	J	0.19	J
SW6010C	7440-70-2	Calcium	mg/kg	107000		29000		1230		1480	J	96500		25800	
SW6010C	7440-47-3	Chromium, Total	mg/kg	17.1		14.5		8.7		11.9	J	10.6		11	
SW6010C	7440-48-4	Cobalt	mg/kg	8.7		6.1		5.7		7.2		6.6		5.3	
SW6010C	7440-50-8	Copper	mg/kg	14.7		47.4		7.1		10	J	16.2		44.8	
SW6010C	7439-89-6	Iron	mg/kg	17500		23100		13100		17100	J	16500		14100	
SW6010C	7439-92-1	Lead	mg/kg	6.9		122		11.5		12.3		34.5		164	
SW6010C	7439-95-4	Magnesium	mg/kg	26800		7950		1780		2390	J	28300		7490	
SW6010C	7439-96-5	Manganese	mg/kg	488		162		261		197	J	959		255	
SW6010C	7440-02-0	Nickel	mg/kg	20.3		17.8		12.6		17.1		15.9		13	
SW6010C	7440-09-7	Potassium	mg/kg	8130		1580		1300		1860	J	3360		1280	
SW6010C	7782-49-2	Selenium	mg/kg	0.83	J	0.91	J	0.57	J	5	U	0.84	J	1	J
SW6010C	7440-22-4	Silver	mg/kg	0.76	U	0.49	J	0.23	J	0.75	U	0.76	U	0.38	J
SW6010C	7440-23-5	Sodium	mg/kg	270		538		60	J	63	J	238		596	
SW6010C	7440-28-0	Thallium	mg/kg	7.6	U	6.9	U	6.6	U	7.5	U	7.6	U	8.4	U
SW6010C	7440-62-2	Vanadium	mg/kg	21.8		30.1		14.3		18.5		14.8		15.1	
SW6010C	7440-66-6	Zinc	mg/kg	21.3		50.6		33.4		53.1	J	69.7		91.8	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.4	U	2.4	U	2.2	U	2.5	U	2.5	U	2.8	UJ
SW7471B	7439-97-6	Mercury	mg/kg	0.024	U	0.27		0.016	J	0.011	J	0.02	J	1.8	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	4.5	U	4.2	U	4.8	U	530	UJ	500	UJ	80	UJ
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	4.5	U	4.2	U	4.8	U	570		500	U	80	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	4.5	UJ	4.2	UJ	4.8	UJ	530	U	500	U	80	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	591-78-6	2-Hexanone	ug/kg	23	U	21	U	24	U	2700	U	2500	U	400	U
SW8260C	67-64-1	Acetone	ug/kg	14	J	8.5	J	24	U	2700	U	2500	U	380	J
SW8260C	71-43-2	Benzene	ug/kg	4.5	U	0.73	J	4.8	U	530	U	500	U	310	J
SW8260C	75-27-4	Bromodichloromethane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	75-25-2	Bromoform	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	74-83-9	Bromomethane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	270	
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	4.5	U	4.2	U	4.8	U	530	UJ	500	UJ	80	UJ
SW8260C	108-90-7	Chlorobenzene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	75-00-3	Chloroethane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	67-66-3	Chloroform	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	74-87-3	Chloromethane	ug/kg	4.5	UJ	4.2	UJ	4.8	UJ	530	U	500	U	80	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U

			Location ID	PDI-OFFSO-008		PDI-OFFSO-008		PDI-OFFSO-009		PDI-OFFSO-009		PDI-OFFSO-009		PDI-OFFSO-010	
			Sample ID	PDI-OFFSO-008-17-18.9		PDI-OFFSO-008-7-9		PDI-OFFSO-009-5-7		PDI-OFFSO-009-7-9		PDI-OFFSO-009-9-11.2		PDI-OFFSO-010-13-15	
			Start Depth	17		7		5		7		9		13	
			End Depth	18.9		9		7		9		11.2		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/1/2023		11/1/2023		11/1/2023		11/1/2023		11/1/2023		11/2/2023	
			SDG	4802144591		4802144591		4802144591		4802144591		4802144591		4802145341	
			Lab Sample ID	480-214459-3		480-214459-4		480-214459-5		480-214459-6		480-214459-7		480-214534-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	110-82-7	Cyclohexane	ug/kg	4.5	UJ	4.2	UJ	4.8	UJ	530	U	500	U	52	J
SW8260C	124-48-1	Dibromochloromethane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	76	J
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	150	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	23	U	21	U	24	U	2700	U	4300		1200	
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	23	UJ	21	UJ	24	UJ	2700	U	2500	U	400	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	23	U	21	U	24	U	2700	U	2500	U	400	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	4.5	UJ	4.2	UJ	4.8	UJ	530	U	500	U	66	J
SW8260C	75-09-2	Methylene Chloride	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	100-42-5	Styrene	ug/kg	4.5	U	1.1	J	4.8	U	530	UJ	500	UJ	80	UJ
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	108-88-3	Toluene	ug/kg	4.5	U	0.62	J	0.47	J	530	U	500	U	21	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	4.5	U	4.2	U	4.8	U	530	U	500	U	80	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	4.5	UJ	4.2	UJ	4.8	UJ	530	U	500	U	80	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	4.5	UJ	4.2	UJ	4.8	UJ	530	U	500	U	80	U
SW8260C	1330-20-7	Xylenes	ug/kg	9.1	U	8.3	U	9.5	U	1100	U	1000	U	140	J
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	120	U	1200	U	110	U	610	U	120	U	140	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	2000	U	19000	U	1900	U	10000	U	2100	U	2300	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	210	U	2000	U	190	U	1000	U	210	U	51	J
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	83-32-9	Acenaphthene	ug/kg	150	J	2000	U	190	U	1000	U	210	U	180	J

			Location ID	PDI-OFFSO-008		PDI-OFFSO-008		PDI-OFFSO-009		PDI-OFFSO-009		PDI-OFFSO-009		PDI-OFFSO-010	
			Sample ID	PDI-OFFSO-008-17-18.9		PDI-OFFSO-008-7-9		PDI-OFFSO-009-5-7		PDI-OFFSO-009-7-9		PDI-OFFSO-009-9-11.2		PDI-OFFSO-010-13-15	
			Start Depth	17		7		5		7		9		13	
			End Depth	18.9		9		7		9		11.2		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/1/2023		11/1/2023		11/1/2023		11/1/2023		11/1/2023		11/2/2023	
			SDG	4802144591		4802144591		4802144591		4802144591		4802144591		4802145341	
			Lab Sample ID	480-214459-3		480-214459-4		480-214459-5		480-214459-6		480-214459-7		480-214534-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	100	J	1100	J	190	U	1000	U	210	U	240	U
SW8270D	98-86-2	Acetophenone	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	120-12-7	Anthracene	ug/kg	120	J	690	J	190	U	1000	U	210	U	87	J
SW8270D	1912-24-9	Atrazine	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	140	J	3200		21	J	1000	U	110	J	93	J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	120	J	4500		48	J	1000	U	150	J	120	J
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	140	J	5900		57	J	1000	U	170	J	110	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	82	J	5000		75	J	1000	U	170	J	77	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	55	J	2900		190	U	1000	U	100	J	66	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	210	U	2000	U	52	J	1000	U	210	U	240	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	105-60-2	Caprolactam	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	86-74-8	Carbazole	ug/kg	59	J	2000	U	190	U	1000	U	210	U	240	U
SW8270D	218-01-9	Chrysene	ug/kg	150	J	3700		190	U	1000	U	130	J	100	J
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	210	U	1300	J	190	U	1000	U	210	U	240	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	56	J	2000	U	190	U	190	J	270		44	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	206-44-0	Fluoranthene	ug/kg	430		4300		35	J	1000	U	210		200	J
SW8270D	86-73-7	Fluorene	ug/kg	110	J	2000	U	190	U	1000	U	210	U	81	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	70	J	4400		59	J	1000	U	130	J	74	J
SW8270D	78-59-1	Isophorone	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	91-20-3	Naphthalene	ug/kg	79	J	370	J	190	U	1000	U	210	U	240	
SW8270D	98-95-3	Nitrobenzene	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	400	U	3800	U	370	U	2000	U	410	U	460	U
SW8270D	85-01-8	Phenanthrene	ug/kg	460		1500	J	190	U	1000	U	82	J	280	
SW8270D	108-95-2	Phenol	ug/kg	210	U	2000	U	190	U	1000	U	210	U	240	U
SW8270D	129-00-0	Pyrene	ug/kg	360		4200		32	J	1000	U	180	J	150	J
SW9012	57-12-5	Cyanide	mg/kg	1.2	U	19.9		1.1	U	1.3	J	0.76	J	4.8	J

			Location ID	PDI-OFFSO-010		PDI-OFFSO-010		PDI-OFFSO-010		PDI-OFFSO-011		PDI-OFFSO-011		PDI-OFFSO-011	
			Sample ID	PDI-OFFSO-010-19-21		PDI-OFFSO-010-9-11		PDI-OFFSO-010-9-11-DUP		PDI-OFFSO-011-1-5		PDI-OFFSO-011-17-18.8		PDI-OFFSO-011-8-11	
			Start Depth	19		9		9		1		17		8	
			End Depth	21		11		11		5		18.8		11	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/2/2023		11/2/2023		11/2/2023		11/2/2023		11/2/2023		11/2/2023	
			SDG	4802145341		4802145341		4802145341		4802145341		4802145341		4802145341	
			Lab Sample ID	480-214534-4		480-214534-1		480-214534-2		480-214534-5		480-214534-7		480-214534-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.94	U	0.93	U	0.9	U	0.83	U	0.97	U	1	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.3	U	2.3	U	2.1	U	2.4	U	2.5	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.3	U	2.3	U	2.1	U	2.4	U	2.5	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.9	U	5.8	U	5.6	U	5.2	U	6.1	U	6.3	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.9	U	5.8	U	5.6	U	5.2	U	6.1	U	6.3	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.2	U	1.1	U	1	U	1.2	U	1.3	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.94	U	0.93	U	0.9	U	0.83	U	0.97	U	1	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.94	U	0.93	U	0.9	U	0.83	U	0.97	U	1	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.23	U	0.23	U	0.23	U	0.1	J	0.24	U	0.25	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.47	U	0.46	U	0.45	U	0.42	U	0.49	U	0.51	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.47	U	0.46	U	0.45	U	0.42	U	0.49	U	0.51	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.94	U	0.93	U	0.9	U	0.83	U	0.97	U	1	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.47	U	0.46	U	0.45	U	0.42	U	0.49	U	0.51	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.47	U	0.46	U	0.45	U	0.42	U	0.49	U	0.51	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.94	U	0.93	U	0.9	U	0.83	U	0.97	U	1	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.23	U	0.23	U	0.23	U	0.1	J	0.24	U	0.25	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.47	U	0.46	U	0.45	U	0.42	U	0.49	U	0.51	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.23	U	0.23	U	0.23	U	0.21	U	0.24	U	0.25	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.94	U	0.93	U	0.9	U	0.83	U	0.97	U	1	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.94	U	0.93	U	0.9	U	0.83	U	0.97	U	1	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.94	U	0.93	U	0.9	U	0.83	U	0.97	U	1	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	8.8		11.6		11.7		33.5		13.1		12.6	
SW6010C	7429-90-5	Aluminum	mg/kg	7570		8770		8890		8000		11400		8780	
SW6010C	7440-36-0	Antimony	mg/kg	3	J	5.5	J	5.5	J	3.4	J	3.1	J	3.5	J
SW6010C	7440-38-2	Arsenic	mg/kg	3.5		8.5		7.4		3.4		15		6.2	
SW6010C	7440-39-3	Barium	mg/kg	48.5		53.3		57		53.1		49.9		64.5	
SW6010C	7440-41-7	Beryllium	mg/kg	0.32		0.43		0.46		0.37		0.68		0.4	

		Location ID	PDI-OFFSO-010		PDI-OFFSO-010		PDI-OFFSO-010		PDI-OFFSO-011		PDI-OFFSO-011		PDI-OFFSO-011	
		Sample ID	PDI-OFFSO-010-19-21		PDI-OFFSO-010-9-11		PDI-OFFSO-010-9-11-DUP		PDI-OFFSO-011-1-5		PDI-OFFSO-011-17-18.8		PDI-OFFSO-011-8-11	
		Start Depth	19		9		9		1		17		8	
		End Depth	21		11		11		5		18.8		11	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/2/2023		11/2/2023		11/2/2023		11/2/2023		11/2/2023		11/2/2023	
		SDG	4802145341		4802145341		4802145341		4802145341		4802145341		4802145341	
		Lab Sample ID	480-214534-4		480-214534-1		480-214534-2		480-214534-5		480-214534-7		480-214534-6	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW6010C	7440-43-9	Cadmium	mg/kg	0.045 J	0.088 J		0.1 J		0.086 J		0.24 U		0.12 J	
SW6010C	7440-70-2	Calcium	mg/kg	53900	7190		8690		41600		98500		57000	
SW6010C	7440-47-3	Chromium, Total	mg/kg	8.8	11.6		11.7		33.5		13.1		12.6	
SW6010C	7440-48-4	Cobalt	mg/kg	4.2	6.6		6.7		5.2		12.6		4.9	
SW6010C	7440-50-8	Copper	mg/kg	11.7	19.2		27.4		30.6		10.9		17.7	
SW6010C	7439-89-6	Iron	mg/kg	11800	17400		16600		13000		16200		12900	
SW6010C	7439-92-1	Lead	mg/kg	9.5	32.4		32		24.4		75.7		239	
SW6010C	7439-95-4	Magnesium	mg/kg	16700	3030		2860		10900		33200		13200	
SW6010C	7439-96-5	Manganese	mg/kg	413	260		266		390		532		476	
SW6010C	7440-02-0	Nickel	mg/kg	9.7	16.3		15.7		16.4		20.5		11.2	
SW6010C	7440-09-7	Potassium	mg/kg	1810	1760		1800		2560		5720		2630	
SW6010C	7782-49-2	Selenium	mg/kg	5.3 U	5 U		0.63 J		0.44 J		0.5 J		5.3 U	
SW6010C	7440-22-4	Silver	mg/kg	0.79 U	0.76 U		0.72 U		0.72		0.71 U		0.55 J	
SW6010C	7440-23-5	Sodium	mg/kg	430	586		585		339		439		593	
SW6010C	7440-28-0	Thallium	mg/kg	7.9 U	7.6 U		7.2 U		6.4 U		7.1 U		7.9 U	
SW6010C	7440-62-2	Vanadium	mg/kg	15.7	18.3		18.7		17.6		19.4		21.5	
SW6010C	7440-66-6	Zinc	mg/kg	26.6	62.3		60.9		41.1		24.9		49.4	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.5 U	2.6 U		2.5 U		2.2 U		2.4 U		2.5 U	
SW7471B	7439-97-6	Mercury	mg/kg	0.51	0.53		0.4		0.057		0.041		0.25	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	3.5 U	4.2 U		65 UJ		4.6 U		110 UJ		1100 UJ	
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	3.5 UJ	4.2 UJ		65 U		4.6 UJ		110 U		1100 U	
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	591-78-6	2-Hexanone	ug/kg	18 U	21 U		320 U		23 U		540 U		5700 U	
SW8260C	67-64-1	Acetone	ug/kg	29	150 J		320 U		11 J		540 U		5700 U	
SW8260C	71-43-2	Benzene	ug/kg	1 J	11 J		240 J		2.5 J		360		8100	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	75-25-2	Bromoform	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	74-83-9	Bromomethane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	75-15-0	Carbon Disulfide	ug/kg	4.8	3.4 J		65 U		4.6 U		110 U		1100 U	
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	3.5 U	4.2 U		65 UJ		4.6 U		110 UJ		1100 UJ	
SW8260C	108-90-7	Chlorobenzene	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	75-00-3	Chloroethane	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	67-66-3	Chloroform	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	
SW8260C	74-87-3	Chloromethane	ug/kg	3.5 UJ	4.2 UJ		65 U		4.6 UJ		110 U		1100 U	
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	3.5 U	4.2 U		65 U		4.6 U		110 U		1100 U	

			Location ID	PDI-OFFSO-010		PDI-OFFSO-010		PDI-OFFSO-010		PDI-OFFSO-011		PDI-OFFSO-011		PDI-OFFSO-011	
			Sample ID	PDI-OFFSO-010-19-21		PDI-OFFSO-010-9-11		PDI-OFFSO-010-9-11-DUP		PDI-OFFSO-011-1-5		PDI-OFFSO-011-17-18.8		PDI-OFFSO-011-8-11	
			Start Depth	19		9		9		1		17		8	
			End Depth	21		11		11		5		18.8		11	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/2/2023		11/2/2023		11/2/2023		11/2/2023		11/2/2023		11/2/2023	
			SDG	4802145341		4802145341		4802145341		4802145341		4802145341		4802145341	
			Lab Sample ID	480-214534-4		480-214534-1		480-214534-2		480-214534-5		480-214534-7		480-214534-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	3.5	U	4.2	U	65	U	4.6	U	110	U	1100	U
SW8260C	110-82-7	Cyclohexane	ug/kg	3.5	UJ	4.2	UJ	65	U	4.6	UJ	110	U	1100	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	3.5	U	4.2	U	65	U	4.6	U	110	U	1100	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	3.5	U	4.2	U	65	U	4.6	U	110	U	1100	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	0.29	J	4.2	U	21	J	4.6	U	79	J	1100	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	1	J	2.1	J	22	J	4.6	U	27	J	350	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	7.7	J	21	U	310	J	23	U	540	U	5700	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	3.7	J	36	J	320	U	23	UJ	540	U	5700	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	18	U	21	U	320	U	23	U	540	U	5700	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	3.5	UJ	4.2	UJ	65	U	4.6	UJ	110	U	1100	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	3.5	U	4.2	U	65	U	4.6	U	43	J	1100	U
SW8260C	100-42-5	Styrene	ug/kg	3.5	U	4.2	U	65	UJ	4.6	U	110	UJ	1100	UJ
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	3.5	U	4.2	U	65	U	4.6	U	110	U	1100	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	3.5	U	4.2	U	65	U	4.6	U	110	U	1100	U
SW8260C	108-88-3	Toluene	ug/kg	0.42	J	0.35	J	19	J	1.4	J	110	U	1100	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	3.5	U	4.2	U	65	U	4.6	U	110	U	1100	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	3.5	U	4.2	U	65	U	4.6	U	110	U	1100	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	3.5	U	4.2	U	65	U	4.6	U	110	U	1100	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	3.5	UJ	4.2	UJ	65	U	4.6	UJ	110	U	1100	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	3.5	UJ	4.2	UJ	65	U	4.6	UJ	110	U	1100	U
SW8260C	1330-20-7	Xylenes	ug/kg	0.61	J	8.4	U	130	U	1.1	J	220	U	2300	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	130	U	120	U	120	U	550	U	120	U	120	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	2100	U	2100	U	2000	U	9100	U	2000	U	2000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	420	U	410	U	400	U	1800	U	390	U	410	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	420	U	410	U	400	U	1800	U	390	U	410	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	420	U	410	U	400	U	1800	U	390	U	410	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	420	U	410	U	400	U	1800	U	390	U	410	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	420	U	410	U	400	U	1800	U	390	U	410	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	420	U	410	U	400	U	110	J	390	U	410	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	420	U	410	U	400	U	1800	U	390	U	410	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	420	U	410	U	400	U	1800	U	390	U	410	U
SW8270D	83-32-9	Acenaphthene	ug/kg	130	J	210	U	210	U	930	U	150	J	580	

			Location ID	PDI-OFFSO-010		PDI-OFFSO-010		PDI-OFFSO-010		PDI-OFFSO-011		PDI-OFFSO-011		PDI-OFFSO-011	
			Sample ID	PDI-OFFSO-010-19-21		PDI-OFFSO-010-9-11		PDI-OFFSO-010-9-11-DUP		PDI-OFFSO-011-1-5		PDI-OFFSO-011-17-18.8		PDI-OFFSO-011-8-11	
			Start Depth	19		9		9		1		17		8	
			End Depth	21		11		11		5		18.8		11	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/2/2023		11/2/2023		11/2/2023		11/2/2023		11/2/2023		11/2/2023	
			SDG	4802145341		4802145341		4802145341		4802145341		4802145341		4802145341	
			Lab Sample ID	480-214534-4		480-214534-1		480-214534-2		480-214534-5		480-214534-7		480-214534-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	29	J	210	U	210	U	360	J	110	J	210	U
SW8270D	98-86-2	Acetophenone	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	120-12-7	Anthracene	ug/kg	60	J	210	U	210	U	420	J	130	J	390	
SW8270D	1912-24-9	Atrazine	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	98	J	29	J	26	J	2400		110	J	570	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	130	J	48	J	47	J	3400		120	J	530	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	110	J	47	J	53	J	4100		87	J	550	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	100	J	45	J	43	J	3100		80	J	340	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	70	J	210	U	210	U	1600		54	J	260	
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	210	U	210	U	210	U	930	U	50	J	210	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	105-60-2	Caprolactam	ug/kg	82	J	210	U	210	U	930	U	200	U	210	U
SW8270D	86-74-8	Carbazole	ug/kg	210	U	210	U	210	U	930	U	200	U	39	J
SW8270D	218-01-9	Chrysene	ug/kg	94	J	210	U	210	U	2600		99	J	560	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	27	J	210	U	210	U	140	J	200	U	210	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	206-44-0	Fluoranthene	ug/kg	200	J	34	J	37	J	5000		230		1700	
SW8270D	86-73-7	Fluorene	ug/kg	43	J	210	U	210	U	930	U	130	J	430	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	85	J	40	J	36	J	2700		57	J	290	
SW8270D	78-59-1	Isophorone	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	91-20-3	Naphthalene	ug/kg	95	J	210	U	210	U	470	J	340		210	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	420	U	410	U	400	U	1800	U	390	U	410	U
SW8270D	85-01-8	Phenanthrene	ug/kg	180	J	210	U	210	U	1700		500		1400	
SW8270D	108-95-2	Phenol	ug/kg	210	U	210	U	210	U	930	U	200	U	210	U
SW8270D	129-00-0	Pyrene	ug/kg	170	J	34	J	33	J	4200		300		1500	
SW9012	57-12-5	Cyanide	mg/kg	0.84	J	0.93	J	1	J	1.6		1.1	U	0.92	J

			Location ID	PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-013		PDI-OFFSO-013	
			Sample ID	PDI-OFFSO-012-15-16		PDI-OFFSO-012-16-18.7		PDI-OFFSO-012-5-7		PDI-OFFSO-012-7-9		PDI-OFFSO-013-13-15		PDI-OFFSO-013-19-20	
			Start Depth	15		16		5		7		13		19	
			End Depth	16		18.7		7		9		15		20	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/6/2023		11/6/2023		11/6/2023		11/6/2023		11/14/2023		11/14/2023	
			SDG	4802146151		4802146151		4802146151		4802146151		4802149151		4802149151	
			Lab Sample ID	480-214615-7		480-214615-8		480-214615-5		480-214615-6		480-214915-2		480-214915-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.92	U	0.95	U	0.85	U	0.99	U	0.91	U	0.87	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.4	U	2.1	U	2.5	U	2.3	U	2.2	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.4	U	2.1	U	2.5	U	2.3	U	2.2	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.7	U	5.9	U	5.3	U	6.2	U	5.7	U	5.4	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.7	U	5.9	U	5.3	U	6.2	U	5.7	U	5.4	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.1	U	1.2	U	1.1	U	1.2	U	1.1	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.92	U	0.95	U	0.85	U	0.99	U	0.91	U	0.87	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.92	U	0.95	U	0.85	U	0.99	U	0.91	U	0.87	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.46	U	0.47	U	0.43	U	0.49	U	0.45	U	0.43	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.46	U	0.47	U	0.43	U	0.49	U	0.45	U	0.43	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.92	U	0.95	U	0.85	U	0.99	U	0.91	U	0.87	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.46	U	0.47	U	0.43	U	0.49	U	0.45	U	0.43	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.46	U	0.47	U	0.43	U	0.49	U	0.45	U	0.43	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.92	U	0.95	U	0.85	U	0.99	U	0.91	U	0.87	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.23	U	0.24	U	0.079	J	0.25	U	0.23	U	0.22	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.46	U	0.47	U	0.43	U	0.49	U	0.45	U	0.43	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.23	U	0.24	U	0.21	U	0.25	U	0.23	U	0.22	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.92	U	0.95	U	0.85	U	0.99	U	0.91	U	0.87	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.92	U	0.95	U	0.85	U	0.99	U	0.91	U	0.87	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.92	U	0.95	U	0.85	U	0.99	U	0.91	U	0.87	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	11.9		12.9		8.6		10.7		18.1		12.1	
SW6010C	7429-90-5	Aluminum	mg/kg	10200		13400		6480		10100		7690		11400	
SW6010C	7440-36-0	Antimony	mg/kg	2.9	J	1.6	J	2.8	J	2.7	J	17.6	U	17	U
SW6010C	7440-38-2	Arsenic	mg/kg	20.5		10.5		5.6		13.8		20.9		11.2	
SW6010C	7440-39-3	Barium	mg/kg	34.6		39.6		48		36		31		39.3	
SW6010C	7440-41-7	Beryllium	mg/kg	0.46		0.73		0.38		0.4		0.4		0.68	

			Location ID	PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-013		PDI-OFFSO-013	
			Sample ID	PDI-OFFSO-012-15-16		PDI-OFFSO-012-16-18.7		PDI-OFFSO-012-5-7		PDI-OFFSO-012-7-9		PDI-OFFSO-013-13-15		PDI-OFFSO-013-19-20	
			Start Depth	15		16		5		7		13		19	
			End Depth	16		18.7		7		9		15		20	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/6/2023		11/6/2023		11/6/2023		11/6/2023		11/14/2023		11/14/2023	
			SDG	4802146151		4802146151		4802146151		4802146151		4802149151		4802149151	
			Lab Sample ID	480-214615-7		480-214615-8		480-214615-5		480-214615-6		480-214915-2		480-214915-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.19	J	0.057	J	0.19	J	0.17	J	0.11	J	0.23	U
SW6010C	7440-70-2	Calcium	mg/kg	4930		75700		27200		2200		5990		111000	
SW6010C	7440-47-3	Chromium, Total	mg/kg	11.9		12.9		8.6		10.7		18.1		12.1	
SW6010C	7440-48-4	Cobalt	mg/kg	7.5		9.1		4.4		6		6		8.7	
SW6010C	7440-50-8	Copper	mg/kg	12.3		30.8		107		15.2		89		22.6	
SW6010C	7439-89-6	Iron	mg/kg	17400		16900		13400		15500		20900		12300	
SW6010C	7439-92-1	Lead	mg/kg	13		13.9		69.8		14.8		63.9		27.4	
SW6010C	7439-95-4	Magnesium	mg/kg	4020		27000		14100		2540		3110		13000	
SW6010C	7439-96-5	Manganese	mg/kg	260		459		259		170		160		498	
SW6010C	7440-02-0	Nickel	mg/kg	18		14.5		11.6		13.8		17.7		14.5	
SW6010C	7440-09-7	Potassium	mg/kg	2120		6290		1170		1250		1450		5680	
SW6010C	7782-49-2	Selenium	mg/kg	5.1	U	4.6	U	4.4	U	4.8	U	4.7	U	4.5	U
SW6010C	7440-22-4	Silver	mg/kg	0.55	J	0.56	J	0.49	J	0.59	J	0.7	U	0.68	U
SW6010C	7440-23-5	Sodium	mg/kg	496		529		263		303		493		479	
SW6010C	7440-28-0	Thallium	mg/kg	7.6	U	6.9	U	6.6	U	7.3	U	7	U	6.8	U
SW6010C	7440-62-2	Vanadium	mg/kg	17.7		20.8		16.6		17.9		17.5		16.3	
SW6010C	7440-66-6	Zinc	mg/kg	34.8		21.4		62.2		36		72.9		31.9	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.4	U	2.4	U	2.2	U	2.5	U	2.4	U	2.3	U
SW7471B	7439-97-6	Mercury	mg/kg	0.015	J	0.025	U	0.19		0.021	J	0.08		0.021	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	52	U	5	UJ	6.1	UJ	4.1	U	110	UJ	120	UJ
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	UJ	120	UJ
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	591-78-6	2-Hexanone	ug/kg	260	U	25	U	30	U	21	U	540	U	590	U
SW8260C	67-64-1	Acetone	ug/kg	260	U	12	J	30	U	23		540	U	590	U
SW8260C	71-43-2	Benzene	ug/kg	130		8.9		6.1	U	4.1	U	110	U	910	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	75-25-2	Bromoform	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	74-83-9	Bromomethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	52	U	5	U	6.1	U	4.1	U	110	UJ	120	UJ
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	52	UJ	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	75-00-3	Chloroethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	UJ	120	UJ
SW8260C	67-66-3	Chloroform	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	74-87-3	Chloromethane	ug/kg	52	U	5	UJ	6.1	UJ	4.1	U	110	U	120	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U

			Location ID	PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-013		PDI-OFFSO-013	
			Sample ID	PDI-OFFSO-012-15-16		PDI-OFFSO-012-16-18.7		PDI-OFFSO-012-5-7		PDI-OFFSO-012-7-9		PDI-OFFSO-013-13-15		PDI-OFFSO-013-19-20	
			Start Depth	15		16		5		7		13		19	
			End Depth	16		18.7		7		9		15		20	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/6/2023		11/6/2023		11/6/2023		11/6/2023		11/14/2023		11/14/2023	
			SDG	4802146151		4802146151		4802146151		4802146151		4802149151		4802149151	
			Lab Sample ID	480-214615-7		480-214615-8		480-214615-5		480-214615-6		480-214915-2		480-214915-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	110-82-7	Cyclohexane	ug/kg	52	U	5	UJ	6.1	UJ	4.1	U	110	UJ	120	UJ
SW8260C	124-48-1	Dibromochloromethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	210		34		6.1	U	4.1	U	200		370	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	54		4.5	J	6.1	U	4.1	U	33	J	120	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	82	J	25	U	30	U	21	U	540	U	590	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	260	U	25	U	30	U	4.1	J	540	U	590	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	260	U	25	U	30	U	21	U	540	U	590	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	75		1.8	J	6.1	UJ	4.1	U	110	UJ	120	UJ
SW8260C	75-09-2	Methylene Chloride	ug/kg	52	U	5	U	6.1	U	4.1	U	110	UJ	120	UJ
SW8260C	100-42-5	Styrene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	52	U	5	U	6.1	U	4.1	U	110	UJ	120	UJ
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	108-88-3	Toluene	ug/kg	52	U	0.45	J	6.1	U	4.1	U	46	J	120	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	52	U	5	U	6.1	U	4.1	U	110	U	120	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	52	U	5	UJ	6.1	UJ	4.1	U	110	U	120	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	52	UJ	5	UJ	6.1	UJ	4.1	U	110	U	120	U
SW8260C	1330-20-7	Xylenes	ug/kg	54	J	8.6	J	12	U	8.3	U	140	J	200	J
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	120	U	120	U	2200	U	120	U	590	U	120	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	2000	U	2000	U	37000	U	2100	U	9900	U	1900	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	210	U	120	J	3800	U	210	U	1000	U	180	J
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	83-32-9	Acenaphthene	ug/kg	380		390		3800	U	180	J	160	J	190	J

			Location ID	PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-012		PDI-OFFSO-013		PDI-OFFSO-013	
			Sample ID	PDI-OFFSO-012-15-16		PDI-OFFSO-012-16-18.7		PDI-OFFSO-012-5-7		PDI-OFFSO-012-7-9		PDI-OFFSO-013-13-15		PDI-OFFSO-013-19-20	
			Start Depth	15		16		5		7		13		19	
			End Depth	16		18.7		7		9		15		20	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/6/2023		11/6/2023		11/6/2023		11/6/2023		11/14/2023		11/14/2023	
			SDG	4802146151		4802146151		4802146151		4802146151		4802149151		4802149151	
			Lab Sample ID	480-214615-7		480-214615-8		480-214615-5		480-214615-6		480-214915-2		480-214915-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	210	U	58	J	3800	U	210	U	1000	U	200	U
SW8270D	98-86-2	Acetophenone	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	120-12-7	Anthracene	ug/kg	100	J	350		3800	U	210	U	1000	U	82	J
SW8270D	1912-24-9	Atrazine	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	210	U	100	J	490	J	160	J	120	J	200	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	210	U	100	J	900	J	440		1000	U	200	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	210	U	50	J	860	J	380		170	J	200	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	210	U	47	J	890	J	470		1000	U	200	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	210	U	35	J	560	J	160	J	1000	U	200	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	210	U	94	J	3800	U	210	U	1000	U	50	J
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	210	UJ	200	UJ	3800	UJ	210	UJ	1000	U	200	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	105-60-2	Caprolactam	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	86-74-8	Carbazole	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	218-01-9	Chrysene	ug/kg	210	U	90	J	3800	U	170	J	1000	U	200	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	210	U	200	U	3800	U	110	J	1000	U	200	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	210	U	27	J	3800	U	210	U	1000	U	200	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	210	U	200	U	3800	U	210	U	1000	U	92	J
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	206-44-0	Fluoranthene	ug/kg	28	J	310		900	J	160	J	150	J	61	J
SW8270D	86-73-7	Fluorene	ug/kg	210		330		3800	U	210	U	1000	U	100	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	210	U	32	J	750	J	400		1000	U	200	U
SW8270D	78-59-1	Isophorone	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	91-20-3	Naphthalene	ug/kg	190	J	170	J	3800	U	210	U	720	J	600	
SW8270D	98-95-3	Nitrobenzene	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	410	U	400	U	7300	U	410	U	2000	U	380	U
SW8270D	85-01-8	Phenanthrene	ug/kg	460		1500		3800	U	60	J	290	J	340	
SW8270D	108-95-2	Phenol	ug/kg	210	U	200	U	3800	U	210	U	1000	U	200	U
SW8270D	129-00-0	Pyrene	ug/kg	26	J	450		690	J	170	J	200	J	94	J
SW9012	57-12-5	Cyanide	mg/kg	0.55	J	1.1	U	1.1	U	1.1	U	0.86	J	1	J

		Location ID	PDI-OFFSO-013		PDI-OFFSO-013		PDI-OFFSO-014		PDI-OFFSO-014		PDI-OFFSO-014		PDI-OFFSO-014	
		Sample ID	PDI-OFFSO-013-5-7		PDI-OFFSO-013-9-11		PDI-OFFSO-014-11-13		PDI-OFFSO-014-17-19		PDI-OFFSO-014-19-21.3		PDI-OFFSO-014-7-9	
		Start Depth	5		9		11		17		19		7	
		End Depth	7		11		13		19		21.3		9	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/14/2023		11/14/2023		11/13/2023		11/13/2023		11/13/2023		11/13/2023	
		SDG	4802149151		4802149151		4802148611		4802148611		4802148611		4802148611	
		Lab Sample ID	480-214915-3		480-214915-1		480-214861-2		480-214861-3		480-214861-4		480-214861-1	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.95	U	0.91	U	0.96	U	0.98	U	0.94	U	0.95	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.3	U	2.4	U	2.5	U	2.3	U	2.4	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.3	U	2.4	U	2.5	U	2.3	U	2.4	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.9	U	5.7	U	6	U	6.1	U	5.9	U	5.9	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.9	U	5.7	U	6	U	6.1	U	5.9	U	5.9	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.1	U	1.2	U	1.2	U	1.2	U	1.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.95	U	0.91	U	0.96	U	0.98	U	0.94	U	0.95	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.95	U	0.91	U	0.96	U	0.98	U	0.94	U	0.95	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.47	U	0.46	U	0.48	U	0.49	U	0.47	U	0.47	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.47	U	0.46	U	0.48	U	0.49	U	0.47	U	0.47	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.95	U	0.91	U	0.96	U	0.98	U	0.94	U	0.95	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.47	U	0.46	U	0.48	U	0.49	U	0.47	U	0.47	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.47	U	0.46	U	0.48	U	0.49	U	0.47	U	0.47	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.95	U	0.91	U	0.96	U	0.98	U	0.94	U	0.95	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.47	U	0.46	U	0.48	U	0.49	U	0.47	U	0.47	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.24	U	0.23	U	0.24	U	0.25	U	0.23	U	0.24	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.95	U	0.91	U	0.96	U	0.98	U	0.94	U	0.95	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.95	U	0.91	U	0.96	U	0.98	U	0.94	U	0.95	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.95	U	0.91	U	0.96	U	0.98	U	0.94	U	0.95	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	25		16.8		12		11.2		12.4		13.6	
SW6010C	7429-90-5	Aluminum	mg/kg	5120		11200		10600		11300		12200		11000	
SW6010C	7440-36-0	Antimony	mg/kg	18.4	U	18.1	U	3.1	J	19.6	U	17.5	U	19.1	U
SW6010C	7440-38-2	Arsenic	mg/kg	23.1		7.5		16.2		8		10.2		5.3	
SW6010C	7440-39-3	Barium	mg/kg	46		46.7		31.4		37.8		39.9		48.9	
SW6010C	7440-41-7	Beryllium	mg/kg	0.37		0.46		0.46		0.66		0.69		0.44	

			Location ID	PDI-OFFSO-013		PDI-OFFSO-013		PDI-OFFSO-014		PDI-OFFSO-014		PDI-OFFSO-014		PDI-OFFSO-014	
			Sample ID	PDI-OFFSO-013-5-7		PDI-OFFSO-013-9-11		PDI-OFFSO-014-11-13		PDI-OFFSO-014-17-19		PDI-OFFSO-014-19-21.3		PDI-OFFSO-014-7-9	
			Start Depth	5		9		11		17		19		7	
			End Depth	7		11		13		19		21.3		9	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/14/2023		11/14/2023		11/13/2023		11/13/2023		11/13/2023		11/13/2023	
			SDG	4802149151		4802149151		4802148611		4802148611		4802148611		4802148611	
			Lab Sample ID	480-214915-3		480-214915-1		480-214861-2		480-214861-3		480-214861-4		480-214861-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.23	J	0.14	J	0.13	J	0.05	J	0.23	U	0.06	J
SW6010C	7440-70-2	Calcium	mg/kg	24900		4180		11100		149000		104000		19300	
SW6010C	7440-47-3	Chromium, Total	mg/kg	25		16.8		12		11.2		12.4		13.6	
SW6010C	7440-48-4	Cobalt	mg/kg	6.8		7.5		6.4		10.1		7.8		4.3	
SW6010C	7440-50-8	Copper	mg/kg	244		47.3		11.9		31.6		12.8		13.2	
SW6010C	7439-89-6	Iron	mg/kg	29100		17900		16400		12700		13900		14200	
SW6010C	7439-92-1	Lead	mg/kg	160		51.5		45.5		32.5		32.8		45.8	
SW6010C	7439-95-4	Magnesium	mg/kg	6330		3450		6270		10400		17000		4600	
SW6010C	7439-96-5	Manganese	mg/kg	308		208		196		656		425		250	
SW6010C	7440-02-0	Nickel	mg/kg	17.7		16.4		15.8		17.4		14.2		10.9	
SW6010C	7440-09-7	Potassium	mg/kg	1350		1530		1810		4680		5770		2530	
SW6010C	7782-49-2	Selenium	mg/kg	1.5	J	4.8	U	0.59	J	5.2	U	4.7	U	5.1	U
SW6010C	7440-22-4	Silver	mg/kg	0.42	J	0.72	U	0.7	U	0.78	U	0.7	U	0.76	U
SW6010C	7440-23-5	Sodium	mg/kg	686		900		527		635		446		529	
SW6010C	7440-28-0	Thallium	mg/kg	7.4	U	7.2	U	7	U	7.8	U	7	U	7.6	U
SW6010C	7440-62-2	Vanadium	mg/kg	14.2		20.7		19.6		14.5		16.7		20.7	
SW6010C	7440-66-6	Zinc	mg/kg	222		58.7		42.5		59.8		35.4		36.4	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.3	U	2.3	U	2.4	U	2.4	U	2.3	U	2.4	U
SW7471B	7439-97-6	Mercury	mg/kg	0.21		0.059		0.052		0.007	J	0.0095	J	0.067	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	62	UJ	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	62	UJ	3.6	U	52	UJ	230	UJ	58	UJ	4.2	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	UJ
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	591-78-6	2-Hexanone	ug/kg	310	U	18	U	260	U	1100	U	290	U	21	U
SW8260C	67-64-1	Acetone	ug/kg	310	U	16	J	260	U	1100	U	290	U	15	J
SW8260C	71-43-2	Benzene	ug/kg	220		3.6	U	52	U	230	U	590		4.2	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	75-25-2	Bromoform	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	74-83-9	Bromomethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	62	UJ	3.6	U	52	UJ	230	UJ	58	UJ	4.2	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	75-00-3	Chloroethane	ug/kg	62	UJ	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	67-66-3	Chloroform	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	74-87-3	Chloromethane	ug/kg	62	U	3.6	UJ	52	U	230	U	58	U	4.2	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U

			Location ID	PDI-OFFSO-013		PDI-OFFSO-013		PDI-OFFSO-014		PDI-OFFSO-014		PDI-OFFSO-014		PDI-OFFSO-014	
			Sample ID	PDI-OFFSO-013-5-7		PDI-OFFSO-013-9-11		PDI-OFFSO-014-11-13		PDI-OFFSO-014-17-19		PDI-OFFSO-014-19-21.3		PDI-OFFSO-014-7-9	
			Start Depth	5		9		11		17		19		7	
			End Depth	7		11		13		19		21.3		9	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/14/2023		11/14/2023		11/13/2023		11/13/2023		11/13/2023		11/13/2023	
			SDG	4802149151		4802149151		4802148611		4802148611		4802148611		4802148611	
			Lab Sample ID	480-214915-3		480-214915-1		480-214861-2		480-214861-3		480-214861-4		480-214861-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	110-82-7	Cyclohexane	ug/kg	62	UJ	3.6	U	31	J	230	U	58	U	4.2	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	21	J	3.6	U	49	J	540		230		4.2	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	62	U	3.6	U	49	J	100	J	18	J	4.2	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	150	J	18	U	260	U	1100	U	290	U	21	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	310	U	2.4	J	260	U	1100	U	290	U	21	UJ
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	310	U	18	U	260	U	1100	U	290	U	21	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	47	J	3.6	U	52	U	300		150		4.2	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	62	UJ	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	100-42-5	Styrene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	62	UJ	3.6	U	52	U	230	U	58	U	4.2	UJ
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	108-88-3	Toluene	ug/kg	220		0.74	J	52	U	230	U	58	U	0.66	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	62	U	3.6	U	52	U	230	U	58	U	4.2	U
SW8260C	1330-20-7	Xylenes	ug/kg	170		7.2	U	100	U	200	J	82	J	8.3	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	1200	U	1200	U	120	U	620	U	120	U	590	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	20000	U	19000	U	2000	U	10000	U	2000	U	9900	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	2000	U	2000	U	200	U	5000		86	J	1000	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	83-32-9	Acenaphthene	ug/kg	2000	U	2000	U	210		5200		160	J	1000	U

			Location ID	PDI-OFFSO-013		PDI-OFFSO-013		PDI-OFFSO-014		PDI-OFFSO-014		PDI-OFFSO-014		PDI-OFFSO-014	
			Sample ID	PDI-OFFSO-013-5-7		PDI-OFFSO-013-9-11		PDI-OFFSO-014-11-13		PDI-OFFSO-014-17-19		PDI-OFFSO-014-19-21.3		PDI-OFFSO-014-7-9	
			Start Depth	5		9		11		17		19		7	
			End Depth	7		11		13		19		21.3		9	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/14/2023		11/14/2023		11/13/2023		11/13/2023		11/13/2023		11/13/2023	
			SDG	4802149151		4802149151		4802148611		4802148611		4802148611		4802148611	
			Lab Sample ID	480-214915-3		480-214915-1		480-214861-2		480-214861-3		480-214861-4		480-214861-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	1900	J	2000	U	200	U	2900		26	J	1000	U
SW8270D	98-86-2	Acetophenone	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	120-12-7	Anthracene	ug/kg	750	J	2000	U	200	U	3900		200	U	1000	U
SW8270D	1912-24-9	Atrazine	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	3900		2000	U	64	J	2400		25	J	1000	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	4100		2000	U	100	J	2500		200	U	1000	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	4500		2000	U	110	J	1500		200	U	1000	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	3700		2000	U	77	J	1100		24	J	1000	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	1300	J	2000	U	50	J	710	J	200	U	1000	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	2000	U	2000	U	200	U	2100		41	J	1000	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	105-60-2	Caprolactam	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	86-74-8	Carbazole	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	218-01-9	Chrysene	ug/kg	4700		2000	U	70	J	2100		200	U	1000	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	1000	J	2000	U	200	U	230	J	200	U	1000	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	206-44-0	Fluoranthene	ug/kg	3300		2000	U	88	J	5400		38	J	1000	U
SW8270D	86-73-7	Fluorene	ug/kg	2000	U	2000	U	81	J	4700		54	J	1000	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	2700		2000	U	73	J	720	J	200	U	1000	U
SW8270D	78-59-1	Isophorone	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	91-20-3	Naphthalene	ug/kg	330	J	2000	U	180	J	6000		230		1000	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	3900	U	3900	U	400	U	2100	U	390	U	2000	U
SW8270D	85-01-8	Phenanthrene	ug/kg	1700	J	2000	U	150	J	16000		120	J	1000	U
SW8270D	108-95-2	Phenol	ug/kg	2000	U	2000	U	200	U	1100	U	200	U	1000	U
SW8270D	129-00-0	Pyrene	ug/kg	5800		2000	U	82	J	8300		48	J	1000	U
SW9012	57-12-5	Cyanide	mg/kg	0.81	J	1.1		0.69	J	1.6		1.1	U	1.2	U

		Location ID	PDI-OFFSO-015		PDI-OFFSO-015		PDI-OFFSO-015		PDI-OFFSO-016		PDI-OFFSO-016		PDI-OFFSO-016	
		Sample ID	PDI-OFFSO-015-11-13		PDI-OFFSO-015-23-24.3		PDI-OFFSO-015-5-7		PDI-OFFSO-016-11-13		PDI-OFFSO-016-23-24.1		PDI-OFFSO-016-5-7	
		Start Depth	11		23		5		11		23		5	
		End Depth	13		24.3		7		13		24.1		7	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/8/2023		11/8/2023		11/8/2023		11/8/2023		11/8/2023		11/8/2023	
		SDG	4802147211		4802147211		4802147211		4802147211		4802147211		4802147211	
		Lab Sample ID	480-214721-5		480-214721-6		480-214721-4		480-214721-2		480-214721-3		480-214721-1	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.98	U	0.88	U	0.99	U	0.95	U	0.91	U	0.88	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.5	U	0.24	J	2.5	U	2.4	U	2.3	U	2.2	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.5	U	2.2	U	2.5	U	2.4	U	2.3	U	2.2	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6.1	U	5.5	U	6.2	U	5.9	U	5.7	U	5.5	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6.1	U	5.5	U	6.2	U	5.9	U	5.7	U	5.5	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.1	U	1.2	U	1.2	U	1.1	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.98	U	0.88	U	0.99	U	0.95	U	0.91	U	0.88	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.98	U	0.88	U	0.99	U	0.95	U	0.91	U	0.88	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.49	U	0.44	U	0.49	U	0.47	U	0.46	U	0.44	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.49	U	0.44	U	0.49	U	0.47	U	0.46	U	0.44	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.98	U	0.88	U	0.99	U	0.95	U	0.91	U	0.88	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.49	U	0.44	U	0.49	U	0.47	U	0.46	U	0.44	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.49	U	0.44	U	0.49	U	0.47	U	0.46	U	0.44	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.98	U	0.88	U	0.99	U	0.95	U	0.91	UJ	0.88	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.49	U	0.44	U	0.49	U	0.47	U	0.46	U	0.44	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.25	U	0.22	U	0.25	U	0.24	U	0.23	U	0.22	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.98	U	0.88	U	0.99	U	0.95	U	0.91	U	0.88	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.98	U	0.88	U	0.99	U	0.95	U	0.91	U	0.88	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.98	U	0.88	U	0.99	U	0.95	U	0.91	U	0.88	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	14		11.5		23.2		15.7		9.4		12.3	
SW6010C	7429-90-5	Aluminum	mg/kg	10800		10500		5320		15000		7030	J	10300	
SW6010C	7440-36-0	Antimony	mg/kg	1.8	J	1.3	J	4.9	J	2	J	2.6	J	2.4	J
SW6010C	7440-38-2	Arsenic	mg/kg	13.8		10.5		8.3		9.2		13.6	J	4.9	
SW6010C	7440-39-3	Barium	mg/kg	48.6		32.8		84		84.3		24.7	J	38.9	
SW6010C	7440-41-7	Beryllium	mg/kg	0.54		0.6		0.34		0.63		0.37		0.42	

		Location ID	PDI-OFFSO-015		PDI-OFFSO-015		PDI-OFFSO-015		PDI-OFFSO-016		PDI-OFFSO-016		PDI-OFFSO-016	
		Sample ID	PDI-OFFSO-015-11-13		PDI-OFFSO-015-23-24.3		PDI-OFFSO-015-5-7		PDI-OFFSO-016-11-13		PDI-OFFSO-016-23-24.1		PDI-OFFSO-016-5-7	
		Start Depth	11		23		5		11		23		5	
		End Depth	13		24.3		7		13		24.1		7	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/8/2023		11/8/2023		11/8/2023		11/8/2023		11/8/2023		11/8/2023	
		SDG	4802147211		4802147211		4802147211		4802147211		4802147211		4802147211	
		Lab Sample ID	480-214721-5		480-214721-6		480-214721-4		480-214721-2		480-214721-3		480-214721-1	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW6010C	7440-43-9	Cadmium	mg/kg	0.16	J	0.25	U	0.27		0.23	J	0.1	J	0.12	J
SW6010C	7440-70-2	Calcium	mg/kg	15700		96600		28500		5600		7870	J	2090	
SW6010C	7440-47-3	Chromium, Total	mg/kg	14		11.5		23.2		15.7		9.4	J	12.3	
SW6010C	7440-48-4	Cobalt	mg/kg	7		6.3		4.5		7		7		6.6	
SW6010C	7440-50-8	Copper	mg/kg	12.2		12.7		155		11.1		17		11.7	
SW6010C	7439-89-6	Iron	mg/kg	13200		12900		14300		15400		12700		14100	
SW6010C	7439-92-1	Lead	mg/kg	19.4		12.2		366		16.3		26.5	J	17.5	
SW6010C	7439-95-4	Magnesium	mg/kg	4710		28100		7930		3580		3370		2550	
SW6010C	7439-96-5	Manganese	mg/kg	419		441		306		878		153	J	317	
SW6010C	7440-02-0	Nickel	mg/kg	14.8		13.1		10.7		15.2		16.7		14.2	
SW6010C	7440-09-7	Potassium	mg/kg	2930		5760		1310		2840		1700	J	1760	
SW6010C	7782-49-2	Selenium	mg/kg	0.89	J	5	U	1.8	J	1.3	J	0.6	J	0.91	J
SW6010C	7440-22-4	Silver	mg/kg	0.77	U	0.74	U	0.79	U	0.79	U	0.66	U	0.67	U
SW6010C	7440-23-5	Sodium	mg/kg	624		461		225		689		348		76.1	J
SW6010C	7440-28-0	Thallium	mg/kg	7.7	U	7.4	U	7.9	U	7.9	U	6.6	U	6.7	U
SW6010C	7440-62-2	Vanadium	mg/kg	22		16.9		17.3		23.8		15.6		20.6	
SW6010C	7440-66-6	Zinc	mg/kg	43.5		16		166		54.8		41.2		40.1	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.5	U	2.4	U	2.4	U	2.5	U	2.3	UJ	2.3	U
SW7471B	7439-97-6	Mercury	mg/kg	0.075		0.01	J	1		0.089		0.014	J	0.16	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	591-78-6	2-Hexanone	ug/kg	330	U	21	U	24	U	24	U	540	U	21	U
SW8260C	67-64-1	Acetone	ug/kg	330	U	21	U	11	J	12	J	540	U	110	
SW8260C	71-43-2	Benzene	ug/kg	67	U	4.2	U	59		4.7	U	110	U	0.27	J
SW8260C	75-27-4	Bromodichloromethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-25-2	Bromoform	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	74-83-9	Bromomethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	120	J	4.2	U	4.8	U	4.7	U	110	UJ	4.3	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-00-3	Chloroethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	67-66-3	Chloroform	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	74-87-3	Chloromethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U

			Location ID	PDI-OFFSO-015		PDI-OFFSO-015		PDI-OFFSO-015		PDI-OFFSO-016		PDI-OFFSO-016		PDI-OFFSO-016	
			Sample ID	PDI-OFFSO-015-11-13		PDI-OFFSO-015-23-24.3		PDI-OFFSO-015-5-7		PDI-OFFSO-016-11-13		PDI-OFFSO-016-23-24.1		PDI-OFFSO-016-5-7	
			Start Depth	11		23		5		11		23		5	
			End Depth	13		24.3		7		13		24.1		7	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/8/2023		11/8/2023		11/8/2023		11/8/2023		11/8/2023		11/8/2023	
			SDG	4802147211		4802147211		4802147211		4802147211		4802147211		4802147211	
			Lab Sample ID	480-214721-5		480-214721-6		480-214721-4		480-214721-2		480-214721-3		480-214721-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	110-82-7	Cyclohexane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	71		4.2	U	1.9	J	4.7	U	86	J	4.3	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	70		4.2	UJ	4.3	J	4.7	UJ	85	J	4.3	UJ
SW8260C	79-20-9	Methyl Acetate	ug/kg	220	J	21	U	24	U	24	U	540	U	21	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	330	U	21	U	24	U	24	U	540	U	21	
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	330	U	21	U	24	U	24	U	540	U	21	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	53	J	4.2	U	4.8	U	4.7	U	130	J	4.3	U
SW8260C	100-42-5	Styrene	ug/kg	67	U	4.2	U	0.28	J	4.7	U	110	U	4.3	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	108-88-3	Toluene	ug/kg	37	J	4.2	U	0.46	J	4.7	U	110	U	4.3	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	67	U	4.2	U	4.8	U	4.7	U	110	U	4.3	U
SW8260C	1330-20-7	Xylenes	ug/kg	87	J	8.5	U	9.6	U	9.4	U	210	U	8.5	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	130	UJ	120	UJ	620	UJ	120	UJ	570	UJ	110	UJ
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	220	U	200	U	1100	U	210	U	970	U	190	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	220	U	200	U	1100	U	210	U	970	U	190	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	220	U	200	U	1100	U	210	U	970	U	190	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	220	U	200	U	1100	U	210	U	970	U	190	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	2100	U	2000	U	10000	U	2100	U	9400	U	1900	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	420	U	400	U	2100	U	410	U	1900	U	380	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	220	U	200	U	1100	U	210	U	970	U	190	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	420	U	400	UJ	2100	U	410	U	1900	U	380	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	220	U	200	U	1100	U	210	U	970	U	190	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	420	U	400	UJ	2100	U	410	U	1900	U	380	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	420	U	400	UJ	2100	U	410	U	1900	U	380	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	420	U	400	U	2100	U	410	U	1900	U	380	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	220	U	200	U	1100	U	210	U	970	U	190	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	420	U	400	U	2100	U	410	U	1900	U	380	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	420	U	400	UJ	2100	U	410	U	1900	U	380	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	420	U	400	U	2100	U	410	U	1900	U	380	U
SW8270D	83-32-9	Acenaphthene	ug/kg	260		200	UJ	240	J	42	J	1700		190	U

			Location ID	PDI-OFFSO-015		PDI-OFFSO-015		PDI-OFFSO-015		PDI-OFFSO-016		PDI-OFFSO-016		PDI-OFFSO-016	
			Sample ID	PDI-OFFSO-015-11-13		PDI-OFFSO-015-23-24.3		PDI-OFFSO-015-5-7		PDI-OFFSO-016-11-13		PDI-OFFSO-016-23-24.1		PDI-OFFSO-016-5-7	
			Start Depth	11		23		5		11		23		5	
			End Depth	13		24.3		7		13		24.1		7	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/8/2023		11/8/2023		11/8/2023		11/8/2023		11/8/2023		11/8/2023	
			SDG	4802147211		4802147211		4802147211		4802147211		4802147211		4802147211	
			Lab Sample ID	480-214721-5		480-214721-6		480-214721-4		480-214721-2		480-214721-3		480-214721-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	33	J	200	UJ	1100	U	210	U	430	J	190	U
SW8270D	98-86-2	Acetophenone	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	120-12-7	Anthracene	ug/kg	220	U	200	UJ	530	J	210	U	1600		190	U
SW8270D	1912-24-9	Atrazine	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	180	J	200	UJ	1500		210	U	1100		190	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	270		200	UJ	1700		210	U	1000		190	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	280		200	UJ	1700		210	U	710	J	190	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	200	J	200	UJ	1200		210	U	570	J	33	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	87	J	200	UJ	920	J	210	U	270	J	190	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	220	U	200	UJ	1100	U	210	U	340	J	190	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	105-60-2	Caprolactam	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	86-74-8	Carbazole	ug/kg	220	U	200	UJ	200	J	210	U	970	U	190	U
SW8270D	218-01-9	Chrysene	ug/kg	170	J	200	UJ	1400		210	U	1000		190	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	220	U	200	UJ	140	J	210	U	160	J	190	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	206-44-0	Fluoranthene	ug/kg	180	J	200	UJ	2900		23	J	2800	J	30	J
SW8270D	86-73-7	Fluorene	ug/kg	88	J	88	J	200	J	210	U	1400		190	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	170	J	200	UJ	1100		210	U	330	J	190	U
SW8270D	78-59-1	Isophorone	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	91-20-3	Naphthalene	ug/kg	84	J	200	UJ	1100	U	210	U	310	J	190	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	220	U	200	UJ	1100	U	210	U	970	U	190	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	420	U	400	U	2100	U	410	U	1900	U	380	U
SW8270D	85-01-8	Phenanthrene	ug/kg	65	J	130	J	2400		210	U	5500	J	190	U
SW8270D	108-95-2	Phenol	ug/kg	220	U	200	U	1100	U	210	U	970	U	190	U
SW8270D	129-00-0	Pyrene	ug/kg	190	J	200	UJ	2700		210	U	4100	J	30	J
SW9012	57-12-5	Cyanide	mg/kg	1.2	U	3.1		1.2	U	0.94	J	1	J	1.1	U

		Location ID	PDI-OFFSO-017		PDI-OFFSO-017		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-002	
		Sample ID	PDI-OFFSO-017-17-18.5		PDI-OFFSO-017-5-7		PDI-ONSO-001-15-17		PDI-ONSO-001-7-9		PDI-ONSO-001-9-11		PDI-ONSO-002-17-19	
		Start Depth	17		5		15		7		9		17	
		End Depth	18.5		7		17		9		11		19	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	11/3/2023		11/3/2023		10/26/2023		10/26/2023		10/26/2023		10/23/2023	
		SDG	4802145161		4802145161		4802142381		4802142381		4802142381		4802140671	
		Lab Sample ID	480-214516-2		480-214516-1		480-214238-3		480-214238-1		480-214238-2		480-214067-6	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.87	U	0.91	U	0.89	U	0.84	U	0.89	U	0.86	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.2	U	2.3	U	2.2	U	2.1	U	2.2	U	2.2	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.2	U	2.3	U	2.2	U	2.1	U	2.2	U	2.2	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.4	U	5.7	U	5.6	U	5.3	U	5.6	U	5.4	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.4	U	5.7	U	5.6	U	5.3	U	5.6	U	5.4	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.87	U	0.91	U	0.89	U	0.84	U	0.89	U	0.86	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.87	U	0.91	U	0.89	U	0.84	U	0.89	U	0.86	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.44	U	0.45	U	0.45	U	0.42	U	0.44	U	0.43	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.44	U	0.45	U	0.45	U	0.42	U	0.44	U	0.43	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.87	U	0.91	U	0.89	U	0.84	U	0.89	U	0.86	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.44	U	0.45	U	0.45	U	0.42	U	0.44	U	0.43	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.44	U	0.45	U	0.45	U	0.42	U	0.44	U	0.43	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.87	U	0.91	U	0.89	U	0.84	U	0.89	U	0.86	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.22	U	0.23	U	0.093	J	0.21	U	0.22	U	0.22	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.44	U	0.45	U	0.45	U	0.42	U	0.024	JN	0.43	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.87	U	0.91	U	0.89	U	0.84	U	0.89	U	0.86	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.87	U	0.91	U	0.89	U	0.84	U	0.89	U	0.86	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.87	U	0.91	U	0.89	U	0.84	U	0.89	U	0.86	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	12.3		10.4		9.2		13.3		12.6		12.4	
SW6010C	7429-90-5	Aluminum	mg/kg	7700		8570		7790		11000		11000		10700	
SW6010C	7440-36-0	Antimony	mg/kg	16.8	U	17.3	U	1.2	J	4.8	J	5.6	J	0.77	J
SW6010C	7440-38-2	Arsenic	mg/kg	14.6		5.4		12.3		5.9		8.8		10	
SW6010C	7440-39-3	Barium	mg/kg	38.3		62.4		30.4		38		73.2	J	37.2	
SW6010C	7440-41-7	Beryllium	mg/kg	0.37		0.42		0.4		0.49		0.64		0.69	

			Location ID	PDI-OFFSO-017		PDI-OFFSO-017		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-002	
			Sample ID	PDI-OFFSO-017-17-18.5		PDI-OFFSO-017-5-7		PDI-ONSO-001-15-17		PDI-ONSO-001-7-9		PDI-ONSO-001-9-11		PDI-ONSO-002-17-19	
			Start Depth	17		5		15		7		9		17	
			End Depth	18.5		7		17		9		11		19	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/3/2023		11/3/2023		10/26/2023		10/26/2023		10/26/2023		10/23/2023	
			SDG	4802145161		4802145161		4802142381		4802142381		4802142381		4802140671	
			Lab Sample ID	480-214516-2		480-214516-1		480-214238-3		480-214238-1		480-214238-2		480-214067-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.14	J	0.059	J	0.098	J	0.092	J	0.13	J	0.23	U
SW6010C	7440-70-2	Calcium	mg/kg	48700		28600		88700		1290		1420	J	126000	
SW6010C	7440-47-3	Chromium, Total	mg/kg	12.3		10.4		9.2		13.3		12.6		12.4	
SW6010C	7440-48-4	Cobalt	mg/kg	5.6		4.8		6.3		7.3		7.5		6.7	
SW6010C	7440-50-8	Copper	mg/kg	17.7		18.7		8.5		12.4		12.6		10.4	
SW6010C	7439-89-6	Iron	mg/kg	14400		12200		11500		16800		19800		20000	
SW6010C	7439-92-1	Lead	mg/kg	65		82.2		12.9		14.8		18.2	J	7.7	
SW6010C	7439-95-4	Magnesium	mg/kg	8690		7210		36600		2470		2370	J	44800	
SW6010C	7439-96-5	Manganese	mg/kg	452		416		775		194		125	J	883	
SW6010C	7440-02-0	Nickel	mg/kg	12.8		10.4		12.3		16.6		17.1		13.1	
SW6010C	7440-09-7	Potassium	mg/kg	2330		2340		3410		1440		2250	J	6000	
SW6010C	7782-49-2	Selenium	mg/kg	4.5	U	4.6	U	0.93	J	4.6	U	4.8	U	4.7	U
SW6010C	7440-22-4	Silver	mg/kg	0.67	U	0.69	U	0.69	U	0.69	U	0.73	U	0.7	U
SW6010C	7440-23-5	Sodium	mg/kg	477		497		322		81.7	J	74.5	J	472	
SW6010C	7440-28-0	Thallium	mg/kg	6.7	U	6.9	U	6.9	U	6.9	U	7.3	U	7	U
SW6010C	7440-62-2	Vanadium	mg/kg	15.9		19.5		13		19.5		19.4		19.8	
SW6010C	7440-66-6	Zinc	mg/kg	70.5		51.8		38.4		44.3		66.9	J	15.8	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.3	U	2.3	U	2.2	U	2.3	U	2.4	U	2.2	U
SW7471B	7439-97-6	Mercury	mg/kg	0.028		0.26		0.0073	J	0.048		0.17	J	0.009	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	58	UJ	460	UJ	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	U	4.7	UJ
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	U	4.7	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	U	4.7	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	U	4.7	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	591-78-6	2-Hexanone	ug/kg	290	U	2300	U	20	U	18	U	19	UJ	23	U
SW8260C	67-64-1	Acetone	ug/kg	290	U	2300	U	16	J	32		47	J	7.2	J
SW8260C	71-43-2	Benzene	ug/kg	320		460	U	0.4	J	0.71	J	0.34	J	7.7	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	75-25-2	Bromoform	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	74-83-9	Bromomethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	U	4.7	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	58	U	460	U	4	U	3.6	U	3.8	U	4.7	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	58	UJ	460	UJ	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	75-00-3	Chloroethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	U	4.7	U
SW8260C	67-66-3	Chloroform	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	74-87-3	Chloromethane	ug/kg	58	U	460	U	4	UJ	3.6	UJ	3.8	UJ	4.7	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U

			Location ID	PDI-OFFSO-017		PDI-OFFSO-017		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-002	
			Sample ID	PDI-OFFSO-017-17-18.5		PDI-OFFSO-017-5-7		PDI-ONSO-001-15-17		PDI-ONSO-001-7-9		PDI-ONSO-001-9-11		PDI-ONSO-002-17-19	
			Start Depth	17		5		15		7		9		17	
			End Depth	18.5		7		17		9		11		19	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/3/2023		11/3/2023		10/26/2023		10/26/2023		10/26/2023		10/23/2023	
			SDG	4802145161		4802145161		4802142381		4802142381		4802142381		4802140671	
			Lab Sample ID	480-214516-2		480-214516-1		480-214238-3		480-214238-1		480-214238-2		480-214067-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	110-82-7	Cyclohexane	ug/kg	58	U	460	U	4	UJ	3.6	UJ	3.8	UJ	4.7	UJ
SW8260C	124-48-1	Dibromochloromethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	58	U	460	U	4	U	3.6	U	3.8	U	4.7	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	110		460	U	4	U	3.6	U	0.28	J	1.5	J
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	46	J	460	U	4	U	3.6	U	3.8	UJ	4.5	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	290	U	2300	U	20	U	18	U	19	U	23	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	290	U	2300	U	20	U	18	U	5.4	J	23	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	290	U	2300	U	20	U	18	U	19	UJ	23	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	58	U	460	U	4	UJ	3.6	UJ	3.8	UJ	4.7	UJ
SW8260C	75-09-2	Methylene Chloride	ug/kg	55	J	460	U	4	U	3.6	U	2.5	J	4.7	U
SW8260C	100-42-5	Styrene	ug/kg	58	UJ	460	UJ	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	108-88-3	Toluene	ug/kg	87		460	U	0.77	J	3.6	U	0.69	J	0.88	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	58	U	460	U	4	U	3.6	U	3.8	UJ	4.7	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	58	U	460	U	4	UJ	3.6	UJ	3.8	UJ	4.7	UJ
SW8260C	75-01-4	Vinyl Chloride	ug/kg	58	U	460	U	4	UJ	3.6	UJ	3.8	UJ	4.7	UJ
SW8260C	1330-20-7	Xylenes	ug/kg	110	J	920	U	8	U	7.2	U	7.7	UJ	1.9	J
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	570	U	120	U	110	U	110	U	120	U	110	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	9500	U	1900	U	1800	U	1900	U	2000	UJ	1800	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	970	U	6100		190	U	190	U	210	U	190	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	83-32-9	Acenaphthene	ug/kg	520	J	200	U	190	U	190	U	210	U	210	

			Location ID	PDI-OFFSO-017		PDI-OFFSO-017		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-001		PDI-ONSO-002	
			Sample ID	PDI-OFFSO-017-17-18.5		PDI-OFFSO-017-5-7		PDI-ONSO-001-15-17		PDI-ONSO-001-7-9		PDI-ONSO-001-9-11		PDI-ONSO-002-17-19	
			Start Depth	17		5		15		7		9		17	
			End Depth	18.5		7		17		9		11		19	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	11/3/2023		11/3/2023		10/26/2023		10/26/2023		10/26/2023		10/23/2023	
			SDG	4802145161		4802145161		4802142381		4802142381		4802142381		4802140671	
			Lab Sample ID	480-214516-2		480-214516-1		480-214238-3		480-214238-1		480-214238-2		480-214067-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	970	U	200	U	190	U	42	J	38	J	190	U
SW8270D	98-86-2	Acetophenone	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	120-12-7	Anthracene	ug/kg	970	U	200	U	190	U	96	J	95	J	190	U
SW8270D	1912-24-9	Atrazine	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	970	U	200	U	190	U	190	U	210	U	190	UJ
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	970	U	60	J	190	U	230		160	J	190	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	970	U	61	J	190	U	260		170	J	190	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	970	U	200		190	U	250		150	J	190	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	970	U	250		190	U	130	J	82	J	190	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	970	U	71	J	190	U	150	J	88	J	190	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	970	U	200	U	190	U	190	U	210	U	190	UJ
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	970	U	220		190	U	190	U	210	U	190	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	970	UJ	200	U	190	U	190	U	210	U	190	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	970	U	200	U	190	U	190	U	210	U	190	UJ
SW8270D	105-60-2	Caprolactam	ug/kg	970	U	200	U	190	U	190	U	75	J	190	U
SW8270D	86-74-8	Carbazole	ug/kg	970	U	24	J	190	U	190	U	210	U	190	U
SW8270D	218-01-9	Chrysene	ug/kg	970	U	89	J	190	U	230		170	J	190	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	970	U	410		190	U	28	J	33	J	190	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	970	U	200	U	190	U	190	U	210	U	190	UJ
SW8270D	206-44-0	Fluoranthene	ug/kg	240	J	94	J	30	J	350		270		190	U
SW8270D	86-73-7	Fluorene	ug/kg	190	J	360		190	U	57	J	69	J	190	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	970	U	200	U	190	U	190	U	210	U	190	UJ
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	970	U	200	U	190	UJ	190	UJ	210	UJ	190	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	970	U	200		190	U	120	J	78	J	190	U
SW8270D	78-59-1	Isophorone	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	91-20-3	Naphthalene	ug/kg	230	J	440		190	U	27	J	29	J	75	J
SW8270D	98-95-3	Nitrobenzene	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	1900	U	380	U	360	U	380	U	400	U	370	U
SW8270D	85-01-8	Phenanthrene	ug/kg	420	J	190	J	40	J	320		350		190	U
SW8270D	108-95-2	Phenol	ug/kg	970	U	200	U	190	U	190	U	210	U	190	U
SW8270D	129-00-0	Pyrene	ug/kg	280	J	73	J	33	J	380		330		190	U
SW9012	57-12-5	Cyanide	mg/kg	0.67	J	0.61	J	1.1		0.91	J	1	J	1.1	U

		Location ID	PDI-ONSO-002		PDI-ONSO-002		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003	
		Sample ID	PDI-ONSO-002-17-19 DUP		PDI-ONSO-002-9-11		PDI-ONSO-003-15-16		PDI-ONSO-003-7-9		PDI-ONSO-003-7-9 DUP		PDI-ONSO-003-9-11	
		Start Depth	17		9		15		7		7		9	
		End Depth	19		11		16		9		9		11	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023	
		SDG	4802140671		4802140671		4802140671		4802140671		4802140671		4802140671	
		Lab Sample ID	480-214067-7		480-214067-5		480-214067-4		480-214067-1		480-214067-2		480-214067-3	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	FD		N		N		N		FD		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.9	U	0.88	U	0.93	U	0.87	U	0.82	U	0.97	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.2	U	2.3	U	2.2	U	2	U	2.4	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.2	U	2.3	U	2.2	U	2	U	2.4	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.6	U	5.5	U	5.8	U	5.4	U	5.1	U	6.1	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.6	U	5.5	U	5.8	U	5.4	U	5.1	U	6.1	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.1	U	1.1	U	1.2	U	1.1	U	1	U	1.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.9	U	0.88	U	0.93	U	0.87	U	0.82	U	0.97	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.9	U	0.88	U	0.93	U	0.87	U	0.82	U	0.97	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.45	U	0.44	U	0.47	U	0.43	U	0.41	U	0.49	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.45	U	0.44	U	0.47	U	0.43	U	0.41	U	0.49	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.9	U	0.88	U	0.93	U	0.87	U	0.82	U	0.97	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.45	U	0.44	U	0.47	U	0.43	U	0.41	U	0.49	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.45	U	0.44	U	0.47	U	0.43	U	0.41	U	0.49	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.9	U	0.88	U	0.93	U	0.87	U	0.82	U	0.97	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.23	U	0.22	U	0.23	U	0.017	J	0.017	J	0.24	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.23	U	0.14	J	0.23	U	0.22	U	0.2	U	0.24	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.45	U	0.44	U	0.47	U	0.43	U	0.41	U	0.49	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.23	U	0.22	U	0.23	U	0.031	J	0.033	J	0.24	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.23	U	0.22	U	0.23	U	0.22	U	0.2	U	0.24	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.9	U	0.88	U	0.93	U	0.87	U	0.82	U	0.97	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.9	U	0.88	U	0.93	U	0.87	U	0.82	U	0.97	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.9	U	0.88	U	0.93	U	0.87	U	0.82	U	0.97	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	12.5		89		16.8		17.2		24.8		15.7	
SW6010C	7429-90-5	Aluminum	mg/kg	11300		9290	J	8000		7490		8700		8460	
SW6010C	7440-36-0	Antimony	mg/kg	0.6	J	1.1	J	0.57	J	1	J	1.1	J	0.51	J
SW6010C	7440-38-2	Arsenic	mg/kg	9.5		11.7		13.3		7.1		9.2		6.3	
SW6010C	7440-39-3	Barium	mg/kg	41.2		39.4	J	63.7		40.7		46.6		64.3	
SW6010C	7440-41-7	Beryllium	mg/kg	0.73		0.54		0.39		0.42		0.5		0.42	

			Location ID	PDI-ONSO-002		PDI-ONSO-002		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003	
			Sample ID	PDI-ONSO-002-17-19 DUP		PDI-ONSO-002-9-11		PDI-ONSO-003-15-16		PDI-ONSO-003-7-9		PDI-ONSO-003-7-9 DUP		PDI-ONSO-003-9-11	
			Start Depth	17		9		15		7		7		9	
			End Depth	19		11		16		9		9		11	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023	
			SDG	4802140671		4802140671		4802140671		4802140671		4802140671		4802140671	
			Lab Sample ID	480-214067-7		480-214067-5		480-214067-4		480-214067-1		480-214067-2		480-214067-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	FD		N		N		N		FD		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.23	U	0.12	J	0.079	J	0.85	J	2.1	J	0.098	J
SW6010C	7440-70-2	Calcium	mg/kg	116000		18800		103000		73000	J	43200	J	65600	
SW6010C	7440-47-3	Chromium, Total	mg/kg	12.5		89	J	16.8		17.2		24.8		15.7	
SW6010C	7440-48-4	Cobalt	mg/kg	7.7		6.8		5.9		5.4		6		4.1	
SW6010C	7440-50-8	Copper	mg/kg	10.2		186	J	14.7		20.7		21.7		15.6	
SW6010C	7439-89-6	Iron	mg/kg	19100		17800		15500		14500		17200		13000	
SW6010C	7439-92-1	Lead	mg/kg	7.2		72.1	J	15.6		31.3		38.4		13.7	
SW6010C	7439-95-4	Magnesium	mg/kg	40100		8970		44500		29800	J	12300	J	17300	
SW6010C	7439-96-5	Manganese	mg/kg	778		444		719		413		337		514	
SW6010C	7440-02-0	Nickel	mg/kg	14.1		21.8		13.6		12.6		14		10.4	
SW6010C	7440-09-7	Potassium	mg/kg	6220		2540	J	3050		1990		2970		2300	
SW6010C	7782-49-2	Selenium	mg/kg	4.7	U	4.8	U	4.7	U	4.8	U	4.3	U	5	U
SW6010C	7440-22-4	Silver	mg/kg	0.7	U	0.72	U	0.7	U	0.72	U	0.65	U	0.75	U
SW6010C	7440-23-5	Sodium	mg/kg	504		415		619		216		255		360	
SW6010C	7440-28-0	Thallium	mg/kg	0.37	J	7.2	U	7	U	7.2	U	6.5	U	7.5	U
SW6010C	7440-62-2	Vanadium	mg/kg	20		17.4	J	14.4		17		17.8		13.6	
SW6010C	7440-66-6	Zinc	mg/kg	15.3		78	J	31.9		51.5		59.6		32.5	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.2	U	2.4	UJ	2.3	U	2.3	U	2.2	U	2.4	U
SW7471B	7439-97-6	Mercury	mg/kg	0.0073	J	0.095		0.012	J	0.11		0.078		0.078	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	5.1	UJ	3.2	UJ	3.7	UJ	3.9	UJ	3.4	UJ	6.1	UJ
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	591-78-6	2-Hexanone	ug/kg	26	U	16	U	18	U	19	U	17	U	30	U
SW8260C	67-64-1	Acetone	ug/kg	7.7	J	22	J	11	J	11	J	3.2	J	7.7	J
SW8260C	71-43-2	Benzene	ug/kg	7		3.2	U	0.72	J	0.19	J	3.4	U	6.1	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	75-25-2	Bromoform	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	74-83-9	Bromomethane	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	75-00-3	Chloroethane	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	67-66-3	Chloroform	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	74-87-3	Chloromethane	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U

			Location ID	PDI-ONSO-002		PDI-ONSO-002		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003	
			Sample ID	PDI-ONSO-002-17-19 DUP		PDI-ONSO-002-9-11		PDI-ONSO-003-15-16		PDI-ONSO-003-7-9		PDI-ONSO-003-7-9 DUP		PDI-ONSO-003-9-11	
			Start Depth	17		9		15		7		7		9	
			End Depth	19		11		16		9		9		11	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023	
			SDG	4802140671		4802140671		4802140671		4802140671		4802140671		4802140671	
			Lab Sample ID	480-214067-7		480-214067-5		480-214067-4		480-214067-1		480-214067-2		480-214067-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	FD		N		N		N		FD		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	110-82-7	Cyclohexane	ug/kg	5.1	UJ	3.2	UJ	3.7	UJ	3.9	UJ	3.4	UJ	6.1	UJ
SW8260C	124-48-1	Dibromochloromethane	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	1.6	J	3.2	U	0.28	J	3.9	U	3.4	U	6.1	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	4.3	J	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	26	U	16	U	18	U	19	U	17	U	30	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	26	U	4.7	J	18	U	19	U	17	U	30	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	26	U	16	UJ	18	U	19	U	17	U	30	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	5.1	UJ	3.2	UJ	0.69	J	3.9	UJ	3.4	UJ	6.1	UJ
SW8260C	75-09-2	Methylene Chloride	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	100-42-5	Styrene	ug/kg	5.1	U	3.2	UJ	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	108-88-3	Toluene	ug/kg	1.1	J	0.28	J	1.8	J	0.67	J	0.53	J	1.3	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	5.1	U	3.2	U	3.7	U	3.9	U	3.4	U	6.1	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	5.1	UJ	3.2	UJ	3.7	UJ	3.9	UJ	3.4	UJ	6.1	UJ
SW8260C	75-01-4	Vinyl Chloride	ug/kg	5.1	UJ	3.2	UJ	3.7	UJ	3.9	UJ	3.4	UJ	6.1	UJ
SW8260C	1330-20-7	Xylenes	ug/kg	10	U	6.4	U	1.3	J	7.8	U	6.9	U	12	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	110	U	600	U	120	U	1200	U	2200	U	120	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	1900	U	9900	U	1900	U	19000	U	37000	U	2000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	83-32-9	Acenaphthene	ug/kg	220		1000	U	200	U	2000	U	3800	U	200	U

			Location ID	PDI-ONSO-002		PDI-ONSO-002		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003		PDI-ONSO-003	
			Sample ID	PDI-ONSO-002-17-19 DUP		PDI-ONSO-002-9-11		PDI-ONSO-003-15-16		PDI-ONSO-003-7-9		PDI-ONSO-003-7-9 DUP		PDI-ONSO-003-9-11	
			Start Depth	17		9		15		7		7		9	
			End Depth	19		11		16		9		9		11	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023		10/23/2023	
			SDG	4802140671		4802140671		4802140671		4802140671		4802140671		4802140671	
			Lab Sample ID	480-214067-7		480-214067-5		480-214067-4		480-214067-1		480-214067-2		480-214067-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	FD		N		N		N		FD		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	190	U	1000	U	200	U	2000	U	490	J	200	U
SW8270D	98-86-2	Acetophenone	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	120-12-7	Anthracene	ug/kg	190	U	1000	U	200	U	2000	U	1300	J	200	U
SW8270D	1912-24-9	Atrazine	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	190	UJ	1000	UJ	200	UJ	2000	UJ	3800	UJ	200	UJ
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	190	U	1100	J	200	U	2000	U	3600	J	200	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	190	U	1600	J	200	U	2000	U	3500	J	200	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	190	U	1400	J	33	J	2000	U	2600	J	63	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	190	U	1000	J	200	U	2000	U	2400	J	65	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	190	U	520	J	200	U	2000	U	2000	J	27	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	190	UJ	1000	UJ	200	UJ	2000	UJ	3800	UJ	200	UJ
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	190	UJ	1000	UJ	200	UJ	2000	UJ	3800	UJ	200	UJ
SW8270D	105-60-2	Caprolactam	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	86-74-8	Carbazole	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	218-01-9	Chrysene	ug/kg	190	U	1100	J	200	U	2000	U	3400	J	200	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	190	U	240	J	200	U	2000	U	3800	U	200	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	190	UJ	1000	UJ	200	UJ	2000	UJ	3800	UJ	200	UJ
SW8270D	206-44-0	Fluoranthene	ug/kg	190	U	940	J	61	J	2000	U	10000	J	97	J
SW8270D	86-73-7	Fluorene	ug/kg	190	U	1000	U	200	U	2000	U	690	J	200	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	190	UJ	1000	UJ	200	UJ	2000	UJ	3800	UJ	200	UJ
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	190	U	840	J	200	U	2000	U	2200	J	200	U
SW8270D	78-59-1	Isophorone	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	91-20-3	Naphthalene	ug/kg	73	J	1000	U	200	U	2000	U	3800	U	460	
SW8270D	98-95-3	Nitrobenzene	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	370	U	2000	U	390	U	3800	U	7400	U	390	U
SW8270D	85-01-8	Phenanthrene	ug/kg	190	U	1000	U	200	U	2000	U	9600	J	83	J
SW8270D	108-95-2	Phenol	ug/kg	190	U	1000	U	200	U	2000	U	3800	U	200	U
SW8270D	129-00-0	Pyrene	ug/kg	190	U	1900	J	71	J	320	J	9400	J	110	J
SW9012	57-12-5	Cyanide	mg/kg	1.1	U	1.1	J	0.57	J	2.5	J	1	UJ	0.98	J

		Location ID	PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-005		PDI-ONSO-005	
		Sample ID	PDI-ONSO-004-17-17.9		PDI-ONSO-004-5.5-7		PDI-ONSO-004-5-5.5		PDI-ONSO-004-9-11		PDI-ONSO-005-17-19		PDI-ONSO-005-19-21.6	
		Start Depth	17		5.5		5		9		17		19	
		End Depth	17.9		7		5.5		11		19		21.6	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/30/2023		10/30/2023		10/30/2023		10/30/2023		10/25/2023		10/25/2023	
		SDG	4802143101		4802143101		4802143101		4802143101		4802142331		4802142331	
		Lab Sample ID	480-214310-4		480-214310-2		480-214310-1		480-214310-3		480-214233-6		480-214233-7	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.94	U	0.94	U	0.93	U	0.94	U	0.89	U	0.8	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.3	U	2.3	U	2.3	U	2.2	U	2	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.3	U	2.3	U	2.3	U	2.2	U	2	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.9	U	5.9	U	5.8	U	5.9	U	5.6	U	5	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.9	U	5.9	U	5.8	U	5.9	U	5.6	U	5	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.2	U	1.2	U	1.2	U	1.1	U	1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.94	U	0.94	U	0.93	U	0.94	U	0.89	U	0.8	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.94	U	0.94	U	0.93	U	0.94	U	0.89	U	0.8	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.47	U	0.47	U	0.46	U	0.47	U	0.45	U	0.4	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.47	U	0.47	U	0.46	U	0.47	U	0.45	U	0.4	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.94	U	0.94	U	0.93	U	0.94	U	0.89	U	0.8	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.47	U	0.47	U	0.46	U	0.47	U	0.45	U	0.4	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.47	U	0.47	U	0.46	U	0.47	U	0.45	U	0.4	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.94	U	0.13	J	0.25	J	0.096	J	0.075	J	0.8	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.23	U	0.23	U	0.054	JN	0.23	U	0.22	U	0.2	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.23	U	0.23	U	0.029	J	0.23	U	0.22	U	0.2	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.23	U	0.23	U	0.033	JN	0.23	U	0.22	U	0.2	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.23	U	0.015	J	0.045	J	0.23	U	0.22	U	0.2	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.23	U	0.37		0.54		0.072	J	0.22	U	0.2	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.23	U	0.23	U	0.11	J	0.23	U	0.22	U	0.2	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.47	U	0.042	J	0.071	J	0.47	U	0.45	U	0.4	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.23	U	0.23	U	0.23	U	0.23	U	0.22	U	0.2	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.94	U	0.94	U	0.93	U	0.94	U	0.89	U	0.8	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.94	U	0.94	U	0.93	U	0.94	U	0.89	U	0.8	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.94	U	0.94	U	0.93	U	0.94	U	0.89	U	0.8	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	9.9		10.9		14.6		10.7		10.4		11.5	
SW6010C	7429-90-5	Aluminum	mg/kg	9260		8030		8190		8240		8960		11000	
SW6010C	7440-36-0	Antimony	mg/kg	16.9	U	17.3	U	17	U	18.3	U	1.7	J	18	U
SW6010C	7440-38-2	Arsenic	mg/kg	6.5		18.1		14		10.6		29.5		10.3	
SW6010C	7440-39-3	Barium	mg/kg	26.6		31.9		70.4		27.2		44.2		30.4	
SW6010C	7440-41-7	Beryllium	mg/kg	0.57		0.44		0.43		0.41		0.49		0.59	

		Location ID	PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-005		PDI-ONSO-005	
		Sample ID	PDI-ONSO-004-17-17.9		PDI-ONSO-004-5.5-7		PDI-ONSO-004-5-5.5		PDI-ONSO-004-9-11		PDI-ONSO-005-17-19		PDI-ONSO-005-19-21.6	
		Start Depth	17		5.5		5		9		17		19	
		End Depth	17.9		7		5.5		11		19		21.6	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/30/2023		10/30/2023		10/30/2023		10/30/2023		10/25/2023		10/25/2023	
		SDG	4802143101		4802143101		4802143101		4802143101		4802142331		4802142331	
		Lab Sample ID	480-214310-4		480-214310-2		480-214310-1		480-214310-3		480-214233-6		480-214233-7	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW6010C	7440-43-9	Cadmium	mg/kg	0.23	U	0.12	J	0.36		0.11	J	0.099	J	0.096	J
SW6010C	7440-70-2	Calcium	mg/kg	94900		44200		38100		10900		95300		175000	
SW6010C	7440-47-3	Chromium, Total	mg/kg	9.9	J+	10.9	J+	14.6	J+	10.7	J+	10.4		11.5	
SW6010C	7440-48-4	Cobalt	mg/kg	6.6		4.9		5		5.9		6.5		10.5	
SW6010C	7440-50-8	Copper	mg/kg	19.7		15.8		28.3		13.3		13.2		26.9	
SW6010C	7439-89-6	Iron	mg/kg	11000		13300		14400		14300		12800		9200	
SW6010C	7439-92-1	Lead	mg/kg	8.7		42.5		143		36.1		14.3		14.4	
SW6010C	7439-95-4	Magnesium	mg/kg	14400		16800		8790		4430		15100		10300	
SW6010C	7439-96-5	Manganese	mg/kg	289		372		396		199		520		417	
SW6010C	7440-02-0	Nickel	mg/kg	12.7		12.7		13		13.3		14.7		16.9	
SW6010C	7440-09-7	Potassium	mg/kg	4350		2480		1440		1420		3430		5280	
SW6010C	7782-49-2	Selenium	mg/kg	4.5	U	4.6	U	0.55	J	4.9	U	0.81	J	0.96	J
SW6010C	7440-22-4	Silver	mg/kg	0.68	U	0.69	U	0.68	U	0.73	U	0.74	U	0.72	U
SW6010C	7440-23-5	Sodium	mg/kg	684		266		174		220		715		617	
SW6010C	7440-28-0	Thallium	mg/kg	6.8	U	6.9	U	6.8	U	7.3	U	7.4	U	7.2	U
SW6010C	7440-62-2	Vanadium	mg/kg	13.6		12.1		17.2		13.5		15.5		15.5	
SW6010C	7440-66-6	Zinc	mg/kg	29.2		62.4		109		50.1		61.6		95.6	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.3	U	2.3	U	2.3	U	2.4	U	2.4	U	2.3	U
SW7471B	7439-97-6	Mercury	mg/kg	0.013	J	0.2		0.8		0.25		0.012	J	0.0073	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	591-78-6	2-Hexanone	ug/kg	21	U	490	U	740	U	490	U	7300	U	2400	U
SW8260C	67-64-1	Acetone	ug/kg	6.5	J	490	U	740	U	490	U	7300	U	2400	U
SW8260C	71-43-2	Benzene	ug/kg	0.56	J	99	U	150	U	98	U	1500	U	1000	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-25-2	Bromoform	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	74-83-9	Bromomethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-00-3	Chloroethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	67-66-3	Chloroform	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	74-87-3	Chloromethane	ug/kg	4.2	UJ	99	U	150	U	98	U	1500	U	470	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U

			Location ID	PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-005		PDI-ONSO-005	
			Sample ID	PDI-ONSO-004-17-17.9		PDI-ONSO-004-5.5-7		PDI-ONSO-004-5-5.5		PDI-ONSO-004-9-11		PDI-ONSO-005-17-19		PDI-ONSO-005-19-21.6	
			Start Depth	17		5.5		5		9		17		19	
			End Depth	17.9		7		5.5		11		19		21.6	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/30/2023		10/30/2023		10/30/2023		10/30/2023		10/25/2023		10/25/2023	
			SDG	4802143101		4802143101		4802143101		4802143101		4802142331		4802142331	
			Lab Sample ID	480-214310-4		480-214310-2		480-214310-1		480-214310-3		480-214233-6		480-214233-7	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	110-82-7	Cyclohexane	ug/kg	4.2	UJ	99	U	150	U	98	U	1500	U	470	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	0.29	J	99	U	150	U	98	U	2000		260	J
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	1.1	J	99	U	150	U	98	U	900	J	470	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	21	U	490	U	740	U	490	U	7300	UJ	2400	UJ
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	21	U	490	U	740	U	490	U	7300	U	2400	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	21	U	490	U	740	U	490	U	7300	U	2400	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	4.2	UJ	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	100-42-5	Styrene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	108-88-3	Toluene	ug/kg	0.71	J	99	U	250		98	U	1500	U	470	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	4.2	U	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	4.2	UJ	99	U	150	U	98	U	1500	U	470	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	4.2	UJ	99	U	150	U	98	U	1500	U	470	U
SW8260C	1330-20-7	Xylenes	ug/kg	8.4	U	200	U	170	J	200	U	2900	U	950	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	110	U	2400	U	1100	U	120	U	590	U	570	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	190	U	1600	J	1900	U	170	J	1000	U	970	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	1900	U	39000	U	19000	U	2000	U	9800	U	9500	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	380	U	7900	U	3800	U	400	U	2000	U	1900	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	190	U	13000		2400		1000		1600		260	J
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	190	U	670	J	1900	U	90	J	1000	U	970	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	380	U	7900	U	3800	U	400	U	2000	U	1900	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	380	U	7900	U	3800	U	400	U	2000	U	1900	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	380	U	7900	U	3800	U	400	U	2000	U	1900	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	380	U	7900	U	3800	U	400	U	2000	U	1900	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	380	U	2600	J	230	J	300	J	2000	U	1900	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	380	U	7900	U	3800	U	400	U	2000	U	1900	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	380	U	7900	U	3800	U	400	U	2000	U	1900	U
SW8270D	83-32-9	Acenaphthene	ug/kg	68	J	3800	J	1300	J	320		6100		2900	

			Location ID	PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-004		PDI-ONSO-005		PDI-ONSO-005	
			Sample ID	PDI-ONSO-004-17-17.9		PDI-ONSO-004-5.5-7		PDI-ONSO-004-5-5.5		PDI-ONSO-004-9-11		PDI-ONSO-005-17-19		PDI-ONSO-005-19-21.6	
			Start Depth	17		5.5		5		9		17		19	
			End Depth	17.9		7		5.5		11		19		21.6	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/30/2023		10/30/2023		10/30/2023		10/30/2023		10/25/2023		10/25/2023	
			SDG	4802143101		4802143101		4802143101		4802143101		4802142331		4802142331	
			Lab Sample ID	480-214310-4		480-214310-2		480-214310-1		480-214310-3		480-214233-6		480-214233-7	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	40	J	16000		5100		1100		1100		660	J
SW8270D	98-86-2	Acetophenone	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	120-12-7	Anthracene	ug/kg	190	U	25000		11000		2200		3700		2400	
SW8270D	1912-24-9	Atrazine	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	27	J	25000		16000		2200		1900		1400	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	190	U	20000		13000		1700		2000		1400	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	190	U	18000		13000		1700		1300		950	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	190	U	7300		4400		590		600	J	450	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	190	U	11000		5300		620		460	J	350	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	190	U	3200	J	740	J	300		1500		1200	
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	105-60-2	Caprolactam	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	86-74-8	Carbazole	ug/kg	190	U	8000		3000		690		1000	U	970	U
SW8270D	218-01-9	Chrysene	ug/kg	190	U	22000		14000		1900		1900		1300	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	190	U	2700	J	1700	J	240		1000	U	970	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	190	U	15000		4900		1300		260	J	140	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	206-44-0	Fluoranthene	ug/kg	50	J	62000		37000		4500		4500		3000	
SW8270D	86-73-7	Fluorene	ug/kg	26	J	19000		5600		1400		3700		2300	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	190	UJ	4000	UJ	1900	UJ	210	UJ	1000	UJ	970	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	190	U	7800		4900		630		450	J	320	J
SW8270D	78-59-1	Isophorone	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	91-20-3	Naphthalene	ug/kg	190	U	22000		2700		1900		5800		4100	
SW8270D	98-95-3	Nitrobenzene	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	190	U	4000	U	1900	U	210	U	1000	U	970	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	380	U	7900	U	3800	U	400	U	2000	U	1900	U
SW8270D	85-01-8	Phenanthrene	ug/kg	87	J	95000		43000		7900		15000		9900	
SW8270D	108-95-2	Phenol	ug/kg	190	U	1200	J	1900	U	190	J	1000	U	970	U
SW8270D	129-00-0	Pyrene	ug/kg	49	J	49000		30000		4400		6100		4600	
SW9012	57-12-5	Cyanide	mg/kg	1.1	U	2.5		0.87	J	4.5		1.2	U	1	U

		Location ID	PDI-ONSO-005		PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-007		PDI-ONSO-007	
		Sample ID	PDI-ONSO-005-9-11		PDI-ONSO-006-11-12		PDI-ONSO-006-12-13		PDI-ONSO-006-15-16.3		PDI-ONSO-007-13-15		PDI-ONSO-007-13-15-DUP	
		Start Depth	9		11		12		15		13		13	
		End Depth	11		12		13		16.3		15		15	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/25/2023		10/27/2023		10/27/2023		10/27/2023		10/25/2023		10/25/2023	
		SDG	4802142331		4802142871		4802142871		4802142871		4802142331		4802142331	
		Lab Sample ID	480-214233-5		480-214287-1		480-214287-2		480-214287-3		480-214233-2		480-214233-3	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		FD	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	1	U	0.97	U	0.96	U	0.92	U	0.92	U	0.88	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.6	U	2.4	U	2.4	U	2.3	U	2.3	U	2.2	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.6	U	2.4	U	2.4	U	2.3	U	2.3	U	2.2	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6.5	U	6.1	U	6	U	5.8	U	5.7	U	5.5	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6.5	U	6.1	U	6	U	5.8	U	5.7	U	5.5	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.3	U	1.2	U	1.2	U	1.2	U	1.1	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	1	U	0.97	U	0.96	U	0.92	U	0.92	U	0.88	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	1	U	0.97	U	0.96	U	0.92	U	0.92	U	0.88	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.52	U	0.49	U	0.48	U	0.46	U	0.46	U	0.44	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.52	U	0.49	U	0.48	U	0.46	U	0.46	U	0.44	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	1	U	0.97	U	0.96	U	0.92	U	0.92	U	0.88	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.52	U	0.49	U	0.48	U	0.46	U	0.46	U	0.44	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.52	U	0.49	U	0.48	U	0.46	U	0.46	U	0.44	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	2	J-	0.97	U	0.96	U	0.92	U	0.92	U	0.88	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.039	J	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.21	J	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.061	J	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.52	U	0.49	U	0.48	U	0.46	U	0.46	U	0.44	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.26	U	0.24	U	0.24	U	0.23	U	0.23	U	0.22	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	1	U	0.97	U	0.96	U	0.92	U	0.92	U	0.88	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	1	U	0.97	U	0.96	U	0.92	U	0.92	U	0.88	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	1	U	0.97	U	0.96	U	0.92	U	0.92	U	0.88	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	6.8		12.6		10		8.9		9.5		9.3	
SW6010C	7429-90-5	Aluminum	mg/kg	5880	J	8730		7120		8420	J	8170		7690	
SW6010C	7440-36-0	Antimony	mg/kg	1	J	18.8	U	18.8	U	17	UJ	2.4	J	3.2	J
SW6010C	7440-38-2	Arsenic	mg/kg	55.3	J	9.4		6.3		19.5		7.4		8.6	
SW6010C	7440-39-3	Barium	mg/kg	40.1	J	66.1		44.9		28.3	J	34.6		33.3	
SW6010C	7440-41-7	Beryllium	mg/kg	0.27		0.42		0.34		0.49		0.42		0.4	

		Location ID	PDI-ONSO-005		PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-007		PDI-ONSO-007	
		Sample ID	PDI-ONSO-005-9-11		PDI-ONSO-006-11-12		PDI-ONSO-006-12-13		PDI-ONSO-006-15-16.3		PDI-ONSO-007-13-15		PDI-ONSO-007-13-15-DUP	
		Start Depth	9		11		12		15		13		13	
		End Depth	11		12		13		16.3		15		15	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/25/2023		10/27/2023		10/27/2023		10/27/2023		10/25/2023		10/25/2023	
		SDG	4802142331		4802142871		4802142871		4802142871		4802142331		4802142331	
		Lab Sample ID	480-214233-5		480-214287-1		480-214287-2		480-214287-3		480-214233-2		480-214233-3	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		FD	
Method	CAS_RN	Chemical Name	Unit											
SW6010C	7440-43-9	Cadmium	mg/kg	0.11	J	0.25	U	0.048	J	0.23	U	0.15	J	0.16	J
SW6010C	7440-70-2	Calcium	mg/kg	98700	J	7010		11900		167000		54500		42200	
SW6010C	7440-47-3	Chromium, Total	mg/kg	6.8	J	12.6	J+	10	J+	8.9	J	9.5		9.3	
SW6010C	7440-48-4	Cobalt	mg/kg	2.7		6.3		5.9		8.7		6.7		7	
SW6010C	7440-50-8	Copper	mg/kg	10.5	J	11.4		11.3		16.4		11.3		13.3	
SW6010C	7439-89-6	Iron	mg/kg	10500	J	16400		15700		10600		13800		14600	
SW6010C	7439-92-1	Lead	mg/kg	89.4	J	12.3		11.3		13		12.6		14.9	
SW6010C	7439-95-4	Magnesium	mg/kg	7970	J	3510		7090		8060	J	13600		11400	
SW6010C	7439-96-5	Manganese	mg/kg	241		206		233		295	J	871		817	
SW6010C	7440-02-0	Nickel	mg/kg	8.6		15.1		13.7		15		14.6		16	
SW6010C	7440-09-7	Potassium	mg/kg	994	J	1040		913		3560	J	3030		2330	
SW6010C	7782-49-2	Selenium	mg/kg	1.5	J	5	U	5	U	4.5	U	1.3	J	1.3	J
SW6010C	7440-22-4	Silver	mg/kg	0.76	U	0.75	U	0.75	U	0.68	U	0.72	U	0.79	U
SW6010C	7440-23-5	Sodium	mg/kg	605		405		381		884		507		437	
SW6010C	7440-28-0	Thallium	mg/kg	7.6	U	7.5	U	7.5	U	6.8	U	7.2	U	7.9	U
SW6010C	7440-62-2	Vanadium	mg/kg	11.1		14.8		12		11	J	15.3		15.2	
SW6010C	7440-66-6	Zinc	mg/kg	79	J	42.8		40.6		80.9	J	39.6		41.6	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.7	U	2.4	U	2.5	U	2.3	U	2.3	U	2.5	U
SW7471B	7439-97-6	Mercury	mg/kg	0.13	J	0.018	J	0.012	J	0.0086	J	0.0071	J	0.014	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	2800	U	54	U	53	UJ	4.2	U	370	U	420	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	591-78-6	2-Hexanone	ug/kg	14000	U	270	U	260	U	21	U	1900	U	2100	U
SW8260C	67-64-1	Acetone	ug/kg	14000	U	270	U	260	U	23		1900	U	2100	U
SW8260C	71-43-2	Benzene	ug/kg	2800	U	240		53	U	6.6		370	U	420	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	75-25-2	Bromoform	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	74-83-9	Bromomethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	2800	U	98		66		4.4		370	U	420	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	2800	U	54	U	53	UJ	4.2	U	370	U	420	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	75-00-3	Chloroethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	67-66-3	Chloroform	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	74-87-3	Chloromethane	ug/kg	2800	U	54	U	53	U	4.2	UJ	370	U	420	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U

			Location ID	PDI-ONSO-005		PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-007		PDI-ONSO-007	
			Sample ID	PDI-ONSO-005-9-11		PDI-ONSO-006-11-12		PDI-ONSO-006-12-13		PDI-ONSO-006-15-16.3		PDI-ONSO-007-13-15		PDI-ONSO-007-13-15-DUP	
			Start Depth	9		11		12		15		13		13	
			End Depth	11		12		13		16.3		15		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/25/2023		10/27/2023		10/27/2023		10/27/2023		10/25/2023		10/25/2023	
			SDG	4802142331		4802142871		4802142871		4802142871		4802142331		4802142331	
			Lab Sample ID	480-214233-5		480-214287-1		480-214287-2		480-214287-3		480-214233-2		480-214233-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		FD	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	110-82-7	Cyclohexane	ug/kg	2800	U	54	U	53	U	4.2	UJ	370	U	420	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	2800	U	140		62		3.5	J	370	U	420	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	2800	U	210		160		10		130	J	240	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	14000	UJ	160	J	260	U	21	U	1900	UJ	2100	UJ
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	14000	U	270	U	260	U	2.6	J	1900	U	2100	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	14000	U	270	U	260	U	21	U	1900	U	2100	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	2800	U	34	J	53	U	4.2	UJ	370	U	420	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	2800	U	54	U	58		4.2	U	370	U	420	U
SW8260C	100-42-5	Styrene	ug/kg	2800	U	54	U	53	UJ	4.2	U	370	U	420	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	108-88-3	Toluene	ug/kg	2800	U	86		22	J	0.61	J	370	U	420	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	2800	U	54	U	53	U	4.2	U	370	U	420	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	2800	U	54	U	53	U	4.2	UJ	370	U	420	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	2800	U	54	U	53	U	4.2	UJ	370	U	420	U
SW8260C	1330-20-7	Xylenes	ug/kg	5600	U	56	J	110	U	8.3	U	740	U	840	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	26000	U	120	U	120	U	560	U	120	U	130	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	440000	U	2000	U	2000	U	9300	U	2000	U	2100	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	40000	J	200	U	210	U	950	U	200	U	220	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	83-32-9	Acenaphthene	ug/kg	45000	U	260		180	J	3600		180	J	220	

			Location ID	PDI-ONSO-005		PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-006		PDI-ONSO-007		PDI-ONSO-007	
			Sample ID	PDI-ONSO-005-9-11		PDI-ONSO-006-11-12		PDI-ONSO-006-12-13		PDI-ONSO-006-15-16.3		PDI-ONSO-007-13-15		PDI-ONSO-007-13-15-DUP	
			Start Depth	9		11		12		15		13		13	
			End Depth	11		12		13		16.3		15		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/25/2023		10/27/2023		10/27/2023		10/27/2023		10/25/2023		10/25/2023	
			SDG	4802142331		4802142871		4802142871		4802142871		4802142331		4802142331	
			Lab Sample ID	480-214233-5		480-214287-1		480-214287-2		480-214287-3		480-214233-2		480-214233-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		FD	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	20000	J	26	J	210	U	830	J	200	U	220	U
SW8270D	98-86-2	Acetophenone	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	120-12-7	Anthracene	ug/kg	29000	J	130	J	79	J	3200		260		340	
SW8270D	1912-24-9	Atrazine	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	120000		100	J	36	J	1800		170	J	240	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	120000		180	J	210	U	2000		94	J	140	J
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	140000		120	J	210	U	1100		55	J	110	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	60000		160	J	210	U	810	J	29	J	50	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	80000		71	J	210	U	670	J	36	J	50	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	14000	J	200	U	210	U	970		200	U	220	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	105-60-2	Caprolactam	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	86-74-8	Carbazole	ug/kg	9800	J	27	J	210	U	950	U	200	U	220	U
SW8270D	218-01-9	Chrysene	ug/kg	110000		100	J	210	U	1700		200		260	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	22000	J	200	U	210	U	950	U	200	U	220	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	19000	J	47	J	32	J	270	J	200	U	220	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	206-44-0	Fluoranthene	ug/kg	220000		210		59	J	4000		210		280	
SW8270D	86-73-7	Fluorene	ug/kg	9400	J	67	J	210	U	3400		370		440	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	45000	UJ	200	U	210	U	950	U	200	UJ	220	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	65000		98	J	210	U	560	J	200	U	37	J
SW8270D	78-59-1	Isophorone	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	91-20-3	Naphthalene	ug/kg	81000		43	J	210	U	950	U	200	U	220	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	87000	U	390	U	410	U	1900	U	390	U	420	U
SW8270D	85-01-8	Phenanthrene	ug/kg	120000		100	J	210	U	13000		200	U	160	J
SW8270D	108-95-2	Phenol	ug/kg	45000	U	200	U	210	U	950	U	200	U	220	U
SW8270D	129-00-0	Pyrene	ug/kg	200000		340		110	J	6600		390		480	
SW9012	57-12-5	Cyanide	mg/kg	16.9		3.5		0.66	J	0.88	J	1.1	U	1.3	U

			Location ID	PDI-ONSO-007		PDI-ONSO-007		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008	
			Sample ID	PDI-ONSO-007-1-5		PDI-ONSO-007-25-25.6		PDI-ONSO-008-12-13		PDI-ONSO-008-13-15		PDI-ONSO-008-28-29		PDI-ONSO-008-5-7	
			Start Depth	1		25		12		13		28		5	
			End Depth	5		25.6		13		15		29		7	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/25/2023		10/25/2023		10/11/2023		10/11/2023		10/12/2023		10/11/2023	
			SDG	4802142331		4802142331		4802136811		4802136811		4802136831		4802136811	
			Lab Sample ID	480-214233-1		480-214233-4		480-213681-6		480-213681-7		480-213683-1		480-213681-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	1.7	U	0.95	U	0.97	U	0.94	U	0.85	U	0.97	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	4.2	U	2.4	U	2.4	U	2.3	U	2.1	U	0.22	J
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	4.2	U	2.4	U	2.4	U	2.3	U	2.1	U	2.4	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	10	U	5.9	U	6	U	5.9	U	5.3	U	6	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	10	U	5.9	U	6	U	5.9	U	5.3	U	6	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	2.1	U	1.2	U	1.2	U	1.2	U	1.1	U	1.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	1.7	U	0.95	U	0.97	U	0.94	U	0.85	U	0.97	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	1.7	U	0.95	U	0.97	U	0.94	U	0.85	U	0.97	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.83	U	0.48	U	0.48	U	0.47	U	0.42	U	0.48	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.83	U	0.48	U	0.48	U	0.47	U	0.42	U	0.48	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	1.7	U	0.95	U	0.97	U	0.94	U	0.85	U	0.97	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.83	U	0.48	U	0.48	U	0.47	U	0.42	U	0.48	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.83	U	0.48	U	0.48	U	0.47	U	0.42	U	0.48	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.42	U	0.24	U	0.24	U	0.061	JN	0.21	U	0.24	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	1.7	U	0.4	J	0.97	U	0.94	U	0.85	U	0.97	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.033	JN	0.24	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.032	JN	0.24	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.042	J	0.24	U	0.24	U	0.23	U	0.035	JN	0.033	JN
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.041	JN
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.043	J
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.083	J	0.24	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.29	J	0.24	U	0.24	U	0.23	U	0.21	U	0.22	J
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.092	JN	0.11	J
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.04	JN
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.83	U	0.48	U	0.043	JN	0.47	U	0.42	U	0.068	JN
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.42	U	0.24	U	0.24	U	0.23	U	0.21	U	0.24	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	1.7	U	0.95	U	0.97	U	0.94	U	0.85	U	0.97	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	1.7	U	0.95	U	0.97	U	0.94	U	0.85	U	0.97	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	1.7	U	0.95	U	0.97	U	0.94	U	0.85	U	0.97	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	21.5	J	9.7		10.7		9.2		10.9		24.7	
SW6010C	7429-90-5	Aluminum	mg/kg	15000	J	8840		9060		8610		7490		7950	
SW6010C	7440-36-0	Antimony	mg/kg	7.7	J	21.5	U	5	J	2.3	J	16.3	U	66.9	
SW6010C	7440-38-2	Arsenic	mg/kg	18.5	J	18.1		19.5		39.7		6.5		6420	
SW6010C	7440-39-3	Barium	mg/kg	88.3	J	33.6		23.7		38.2		32.2		63.3	
SW6010C	7440-41-7	Beryllium	mg/kg	1	J	0.49		0.43		0.43		0.38		0.56	

			Location ID	PDI-ONSO-007		PDI-ONSO-007		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008	
			Sample ID	PDI-ONSO-007-1-5		PDI-ONSO-007-25-25.6		PDI-ONSO-008-12-13		PDI-ONSO-008-13-15		PDI-ONSO-008-28-29		PDI-ONSO-008-5-7	
			Start Depth	1		25		12		13		28		5	
			End Depth	5		25.6		13		15		29		7	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/25/2023		10/25/2023		10/11/2023		10/11/2023		10/12/2023		10/11/2023	
			SDG	4802142331		4802142331		4802136811		4802136811		4802136831		4802136811	
			Lab Sample ID	480-214233-1		480-214233-4		480-213681-6		480-213681-7		480-213683-1		480-213681-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.5	J	0.06	J	0.14	J	0.25	U	0.057	J	4.2	J
SW6010C	7440-70-2	Calcium	mg/kg	115000	J	119000		4110		104000		79100		27700	
SW6010C	7440-47-3	Chromium, Total	mg/kg	21.5	J	9.7		10.7		9.2		10.9		24.7	
SW6010C	7440-48-4	Cobalt	mg/kg	9.8	J	5.4		7.6		6.1		5.3		8.1	
SW6010C	7440-50-8	Copper	mg/kg	64	J	11		15.2		17.9		9.6		341	
SW6010C	7439-89-6	Iron	mg/kg	26600	J	11300		15800		13100		10700		51800	
SW6010C	7439-92-1	Lead	mg/kg	198	J	15.9		14.6		22.5		19.1		141	
SW6010C	7439-95-4	Magnesium	mg/kg	45300	J	31900		4130		23500		23000		13000	
SW6010C	7439-96-5	Manganese	mg/kg	688	J	508		555		674		317		324	
SW6010C	7440-02-0	Nickel	mg/kg	25.1	J	13		15		12		12		34.2	
SW6010C	7440-09-7	Potassium	mg/kg	3890	J	4450		1920	J+	3780	J+	3480		1330	J+
SW6010C	7782-49-2	Selenium	mg/kg	1.1	J	1	J	2.8	J	2.9	J	4.4	U	12.9	
SW6010C	7440-22-4	Silver	mg/kg	1.4	UJ	0.86	U	0.72	U	0.76	U	0.65	U	0.75	U
SW6010C	7440-23-5	Sodium	mg/kg	350	J	604		1070		1120		645		890	
SW6010C	7440-28-0	Thallium	mg/kg	13.9	UJ	8.6	U	7.2	U	7.6	U	6.5	U	7.5	U
SW6010C	7440-62-2	Vanadium	mg/kg	35.1	J	12.8		16.8		12.6		12.9		45.8	
SW6010C	7440-66-6	Zinc	mg/kg	126	J	36.5		36.8		50.7		34.3		138	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	0.044	UJ	2.7	U	2.5	U	2.5	U	2.1	U	2.5	U
SW7471B	7439-97-6	Mercury	mg/kg	0.31	J	0.0096	J	0.048		0.23		0.0082	J	5.6	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	591-78-6	2-Hexanone	ug/kg	48	U	12000	U	940	U	1000	U	3800	U	3300	U
SW8260C	67-64-1	Acetone	ug/kg	48	U	12000	U	940	U	1000	U	3800	U	3300	U
SW8260C	71-43-2	Benzene	ug/kg	0.88	J	2300	U	190	U	210	U	770	U	1500	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	75-25-2	Bromoform	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	74-83-9	Bromomethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	75-00-3	Chloroethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	67-66-3	Chloroform	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	74-87-3	Chloromethane	ug/kg	9.7	UJ	2300	U	190	U	210	U	770	U	650	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U

			Location ID	PDI-ONSO-007		PDI-ONSO-007		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008	
			Sample ID	PDI-ONSO-007-1-5		PDI-ONSO-007-25-25.6		PDI-ONSO-008-12-13		PDI-ONSO-008-13-15		PDI-ONSO-008-28-29		PDI-ONSO-008-5-7	
			Start Depth	1		25		12		13		28		5	
			End Depth	5		25.6		13		15		29		7	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/25/2023		10/25/2023		10/11/2023		10/11/2023		10/12/2023		10/11/2023	
			SDG	4802142331		4802142331		4802136811		4802136811		4802136831		4802136811	
			Lab Sample ID	480-214233-1		480-214233-4		480-213681-6		480-213681-7		480-213683-1		480-213681-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	110-82-7	Cyclohexane	ug/kg	9.7	UJ	2300	U	190	U	210	U	770	U	650	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	9.7	U	7100		190	U	210	U	1900		650	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	9.7	U	2500		190	UJ	210	UJ	2000	J	650	UJ
SW8260C	79-20-9	Methyl Acetate	ug/kg	48	U	12000	UJ	940	U	1000	U	3800	U	3300	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	48	U	12000	U	940	U	1000	U	3800	U	3300	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	48	U	12000	U	940	U	1000	U	3800	U	3300	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	9.7	UJ	1300	J	190	U	210	U	770	U	650	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	100-42-5	Styrene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	108-88-3	Toluene	ug/kg	0.91	J	2300	U	190	U	210	U	770	U	1300	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	9.7	U	2300	U	190	U	210	U	770	U	650	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	9.7	UJ	2300	U	190	U	210	U	770	U	650	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	9.7	UJ	2300	U	190	U	210	U	770	U	650	U
SW8260C	1330-20-7	Xylenes	ug/kg	19	U	23000		380	U	410	U	1000	J	1100	J
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	2200	U	1400	U	120	U	120	U	1100	U	1200	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	630	J
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	37000	U	23000	U	2000	UJ	2000	UJ	18000	UJ	20000	UJ
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	4000	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	3800	U	66000		120	J	45	J	35000		530	J
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	600	J
SW8270D	88-74-4	2-Nitroaniline	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	4000	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	4000	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	4000	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	4000	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	1400	J
SW8270D	100-01-6	4-Nitroaniline	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	4000	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	4000	U
SW8270D	83-32-9	Acenaphthene	ug/kg	3800	U	23000		45	J	32	J	52000		2100	U

			Location ID	PDI-ONSO-007		PDI-ONSO-007		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008		PDI-ONSO-008	
			Sample ID	PDI-ONSO-007-1-5		PDI-ONSO-007-25-25.6		PDI-ONSO-008-12-13		PDI-ONSO-008-13-15		PDI-ONSO-008-28-29		PDI-ONSO-008-5-7	
			Start Depth	1		25		12		13		28		5	
			End Depth	5		25.6		13		15		29		7	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/25/2023		10/25/2023		10/11/2023		10/11/2023		10/12/2023		10/11/2023	
			SDG	4802142331		4802142331		4802136811		4802136811		4802136831		4802136811	
			Lab Sample ID	480-214233-1		480-214233-4		480-213681-6		480-213681-7		480-213683-1		480-213681-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	1600	J	13000		87	J	95	J	9700		2200	
SW8270D	98-86-2	Acetophenone	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	120-12-7	Anthracene	ug/kg	1500	J	29000		230		140	J	32000		2000	J
SW8270D	1912-24-9	Atrazine	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	5600		15000		430		310		16000		12000	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	6500		13000		490		500		15000		17000	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	7300		8700		430		470		9700		19000	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	3600	J	3000		350		350		5400		12000	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	4100		3900		180	J	170	J	3800		9400	
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	3800	U	7700		200	U	200	U	14000		2100	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	3800	U	2300	U	200	UJ	200	UJ	1800	UJ	2100	UJ
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	105-60-2	Caprolactam	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	86-74-8	Carbazole	ug/kg	3800	U	690	J	73	J	63	J	1800	U	430	J
SW8270D	218-01-9	Chrysene	ug/kg	5400		12000		390		310		15000		12000	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	990	J	920	J	61	J	86	J	1600	J	3500	
SW8270D	132-64-9	Dibenzofuran	ug/kg	3800	U	6800		47	J	42	J	3400		300	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	206-44-0	Fluoranthene	ug/kg	7400		29000		1400		760		37000		18000	
SW8270D	86-73-7	Fluorene	ug/kg	470	J	31000		140	J	95	J	37000		310	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	3800	UJ	2300	UJ	200	U	200	U	1800	U	2100	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	3500	J	2700		280		330		4400		14000	
SW8270D	78-59-1	Isophorone	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	91-20-3	Naphthalene	ug/kg	680	J	210000		2200		290		41000		5100	
SW8270D	98-95-3	Nitrobenzene	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	2100	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	3800	U	2300	U	200	U	200	U	2100		2100	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	7400	U	4500	U	400	U	400	U	3600	U	4000	U
SW8270D	85-01-8	Phenanthrene	ug/kg	3300	J	98000		490		340		120000		6700	
SW8270D	108-95-2	Phenol	ug/kg	3800	U	2300	U	200	U	200	U	1800	U	860	J
SW8270D	129-00-0	Pyrene	ug/kg	6600		39000		1300		730		49000		14000	
SW9012	57-12-5	Cyanide	mg/kg	2.6	J	1.3	U	1.7		1.4		1	U	12.9	

		Location ID	PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-010	
		Sample ID	PDI-ONSO-009-10-11		PDI-ONSO-009-1-5		PDI-ONSO-009-1-5-DUP		PDI-ONSO-009-18.5-19.5		PDI-ONSO-009-18.5-19.5-DUP		PDI-ONSO-010-13-15	
		Start Depth	10		1		1		18.5		18.5		13	
		End Depth	11		5		5		19.5		19.5		15	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023	
		SDG	4802141601		4802141601		4802141601		4802141601		4802141601		4802141601	
		Lab Sample ID	480-214160-3		480-214160-1		480-214160-2		480-214160-4		480-214160-5		480-214160-9	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		FD		N		FD		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	1.1	U	0.82	U	0.84	U	0.83	U	0.87	U	0.99	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.7	U	2	U	2.1	U	2.1	U	2.2	U	2.5	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.7	U	2	U	2.1	U	2.1	U	2.2	U	2.5	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6.7	U	5.1	U	5.3	U	5.2	U	5.5	U	6.2	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6.7	U	5.1	U	5.3	U	5.2	U	5.5	U	6.2	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.3	U	1	U	1.1	U	1	U	1.1	U	1.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.11	J	0.82	U	0.18	J	0.13	J	0.18	J	0.19	J
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	1.1	U	0.82	U	0.84	U	0.83	U	0.87	U	0.99	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.54	U	0.41	U	0.42	U	0.42	U	0.44	U	0.5	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.54	U	0.41	U	0.42	U	0.42	U	0.44	U	0.5	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	1.1	U	0.82	U	0.84	U	0.83	U	0.87	U	0.99	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.54	U	0.41	U	0.42	U	0.42	U	0.44	U	0.5	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.54	U	0.41	U	0.42	U	0.42	U	0.44	U	0.5	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.27	U	0.2	U	0.21	U	0.12	JN	0.088	JN	0.25	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.14	J	0.11	J	0.071	J	0.83	U	0.87	U	1.6	
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.047	J	0.028	J	0.21	U	0.21	U	0.22	U	0.25	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.27	U	0.2	U	0.21	U	0.097	JN	0.034	J	0.25	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.27	U	0.03	J	0.21	U	0.21	U	0.22	U	0.25	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.04	J	0.024	J	0.033	J	0.21	U	0.22	U	0.25	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.75		0.11	J	0.14	J	0.46		0.51		0.23	J
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.11	J	0.092	J	0.21	U	0.21	U	0.22	U	0.068	J
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.096	JN	0.25	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.078	J	0.41	U	0.42	U	0.42	U	0.44	U	0.079	JN
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.27	U	0.2	U	0.21	U	0.21	U	0.22	U	0.25	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	1.1	U	0.82	U	0.84	U	0.83	U	0.87	U	0.99	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	1.1	U	0.82	U	0.84	U	0.83	U	0.87	U	0.99	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	1.1	U	0.82	U	0.84	U	0.83	U	0.87	U	0.99	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	37.1		9.1		7.2		20.1	J	50.3	J	22.7	
SW6010C	7429-90-5	Aluminum	mg/kg	8490		7070	J	5210		9760		11300		8860	
SW6010C	7440-36-0	Antimony	mg/kg	20.8	J	1.9	J	2.1	J	11.6	J	11.6	J	23.4	
SW6010C	7440-38-2	Arsenic	mg/kg	210		7.7	J	1.9	J	41.6		68.4		54.7	
SW6010C	7440-39-3	Barium	mg/kg	180		35.2	J	23.9		32.4	J	35.5		53.5	
SW6010C	7440-41-7	Beryllium	mg/kg	0.66		0.39		0.25		0.8		0.77		0.62	

		Location ID	PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-010	
		Sample ID	PDI-ONSO-009-10-11		PDI-ONSO-009-1-5		PDI-ONSO-009-1-5-DUP		PDI-ONSO-009-18.5-19.5		PDI-ONSO-009-18.5-19.5-DUP		PDI-ONSO-010-13-15	
		Start Depth	10		1		1		18.5		18.5		13	
		End Depth	11		5		5		19.5		19.5		15	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023	
		SDG	4802141601		4802141601		4802141601		4802141601		4802141601		4802141601	
		Lab Sample ID	480-214160-3		480-214160-1		480-214160-2		480-214160-4		480-214160-5		480-214160-9	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		FD		N		FD		N	
Method	CAS_RN	Chemical Name	Unit											
SW6010C	7440-43-9	Cadmium	mg/kg	3.1		0.12	J	0.081	J	0.5		1.3		0.21	J
SW6010C	7440-70-2	Calcium	mg/kg	24300		16800		10200		57800		50600		41600	
SW6010C	7440-47-3	Chromium, Total	mg/kg	37.1		9.1		7.2		20.1	J	50.3	J	22.7	
SW6010C	7440-48-4	Cobalt	mg/kg	9.5		4.2		3.7		11.5		12.7		3.3	
SW6010C	7440-50-8	Copper	mg/kg	142	J+	9.4		5.5		106	J+	76.7	J+	66.8	J+
SW6010C	7439-89-6	Iron	mg/kg	43900		10700		9190		44900		46200		54900	
SW6010C	7439-92-1	Lead	mg/kg	780		12.1	J	5.1	J	73.4	J	81.1		637	
SW6010C	7439-95-4	Magnesium	mg/kg	5540		3270	J	2570		23500		20700		10900	
SW6010C	7439-96-5	Manganese	mg/kg	730		338	J	269		747		609		389	
SW6010C	7440-02-0	Nickel	mg/kg	36.3		9		7.5		31.2	J	33.5		4.2	J
SW6010C	7440-09-7	Potassium	mg/kg	1380	J+	1620	J	1090	J+	2410	J+	2410	J+	1900	J+
SW6010C	7782-49-2	Selenium	mg/kg	1.4	J	4.2	U	4.1	U	0.69	J	0.89	J	1.8	J
SW6010C	7440-22-4	Silver	mg/kg	3.9		0.28	J	0.32	J	1.9		1.2		2.6	
SW6010C	7440-23-5	Sodium	mg/kg	256		129	J	122	J	216		263		371	
SW6010C	7440-28-0	Thallium	mg/kg	8.7	U	6.3	U	6.1	U	6.8	U	7.3	U	7.5	U
SW6010C	7440-62-2	Vanadium	mg/kg	30.5		15.9		13.8		24.1	J	56.1	J	27.7	
SW6010C	7440-66-6	Zinc	mg/kg	1610		25.5	J	20.2		185		247		127	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.7	UJ	2.2	UJ	2.1	UJ	2.3	UJ	2.4	UJ	2.5	UJ
SW7471B	7439-97-6	Mercury	mg/kg	3.7		0.017	J	0.014	J	0.28	J	0.15		0.36	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	900	U	4.9	UJ	8.8	UJ	230	U	220	U	2400	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	591-78-6	2-Hexanone	ug/kg	4500	U	24	UJ	44	U	1100	U	1100	U	12000	U
SW8260C	67-64-1	Acetone	ug/kg	4500	U	24	UJ	44	U	1100	U	1100	U	12000	U
SW8260C	71-43-2	Benzene	ug/kg	1200		4.9	U	8.8	U	680		510		26000	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	75-25-2	Bromoform	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	74-83-9	Bromomethane	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	900	U	4.9	U	8.8	U	230	U	340		5600	
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	75-00-3	Chloroethane	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	67-66-3	Chloroform	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	74-87-3	Chloromethane	ug/kg	900	U	4.9	UJ	8.8	UJ	230	U	220	U	2400	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U

			Location ID	PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-010	
			Sample ID	PDI-ONSO-009-10-11		PDI-ONSO-009-1-5		PDI-ONSO-009-1-5-DUP		PDI-ONSO-009-18.5-19.5		PDI-ONSO-009-18.5-19.5-DUP		PDI-ONSO-010-13-15	
			Start Depth	10		1		1		18.5		18.5		13	
			End Depth	11		5		5		19.5		19.5		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023	
			SDG	4802141601		4802141601		4802141601		4802141601		4802141601		4802141601	
			Lab Sample ID	480-214160-3		480-214160-1		480-214160-2		480-214160-4		480-214160-5		480-214160-9	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		FD		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	110-82-7	Cyclohexane	ug/kg	900	U	4.9	UJ	8.8	UJ	230	U	220	U	2400	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	2500		4.9	UJ	8.8	U	720		1100		22000	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	770	J	4.9	U	8.8	U	270	J	480	J	1800	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	4500	U	24	U	44	U	1100	U	1100	U	12000	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	4500	U	24	UJ	44	U	1100	U	1100	U	12000	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	4500	U	24	UJ	44	U	1100	U	1100	U	12000	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	900	U	4.9	UJ	8.8	UJ	230	J	610	J	2400	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	100-42-5	Styrene	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	900	UJ	4.9	UJ	8.8	U	230	UJ	220	UJ	2400	UJ
SW8260C	108-88-3	Toluene	ug/kg	900	U	0.51	J	8.8	U	310		220		2000	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	900	U	4.9	UJ	8.8	U	230	U	220	U	2400	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	900	U	4.9	U	8.8	U	230	U	220	U	2400	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	900	U	4.9	UJ	8.8	UJ	230	U	220	U	2400	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	900	U	4.9	UJ	8.8	UJ	230	U	220	U	2400	U
SW8260C	1330-20-7	Xylenes	ug/kg	760	J	9.7	U	18	U	880		1500		220000	
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	1400	U	110	U	100	U	570	U	590	U	6500	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	22000	U	1800	U	1700	U	9400	U	9800	U	110000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	2300	U	180	U	170	U	970	UJ	1000	U	11000	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	2300	U	180	U	170	U	970	UJ	1000	U	11000	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	4500	U	350	U	340	U	1900	U	2000	U	22000	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	970	J	150	J	72	J	970	U	370	J	1000000	
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	4500	U	350	U	340	U	1900	UJ	2000	U	22000	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	4500	U	350	U	340	U	1900	U	2000	U	22000	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	4500	U	350	U	340	U	1900	U	2000	U	22000	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	4500	U	350	U	340	U	1900	U	2000	U	22000	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	2300	U	180	U	170	U	970	UJ	1000	U	11000	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	4500	U	350	U	340	U	1900	U	2000	U	22000	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	4500	U	350	U	340	U	1900	U	2000	U	22000	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	4500	U	350	U	340	U	1900	U	2000	U	22000	U
SW8270D	83-32-9	Acenaphthene	ug/kg	7800		29	J	170	U	970	U	300	J	55000	

			Location ID	PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-009		PDI-ONSO-010	
			Sample ID	PDI-ONSO-009-10-11		PDI-ONSO-009-1-5		PDI-ONSO-009-1-5-DUP		PDI-ONSO-009-18.5-19.5		PDI-ONSO-009-18.5-19.5-DUP		PDI-ONSO-010-13-15	
			Start Depth	10		1		1		18.5		18.5		13	
			End Depth	11		5		5		19.5		19.5		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023	
			SDG	4802141601		4802141601		4802141601		4802141601		4802141601		4802141601	
			Lab Sample ID	480-214160-3		480-214160-1		480-214160-2		480-214160-4		480-214160-5		480-214160-9	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		FD		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	20000		150	J	74	J	180	J	490	J	150000	
SW8270D	98-86-2	Acetophenone	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	120-12-7	Anthracene	ug/kg	27000		230	J	75	J	320	J	850	J	190000	
SW8270D	1912-24-9	Atrazine	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	21000		330	J	120	J	320	J	880	J	120000	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	14000		350	J	130	J	220	J	690	J	76000	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	12000		370	J	130	J	190	J	570	J	74000	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	4400		250	J	94	J	120	J	270	J	20000	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	6300		160	J	65	J	120	J	300	J	39000	
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	650	J	28	J	170	U	970	U	150	J	100000	
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	105-60-2	Caprolactam	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	86-74-8	Carbazole	ug/kg	3600		67	J	170	U	970	U	120	J	12000	
SW8270D	218-01-9	Chrysene	ug/kg	20000		330	J	110	J	280	J	810	J	110000	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	1800	J	74	J	170	U	970	U	1000	U	8000	J
SW8270D	132-64-9	Dibenzofuran	ug/kg	13000		100	J	31	J	110	J	270	J	78000	
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	2300	U	180	U	170	U	970	UJ	1000	U	11000	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	2300	U	180	U	170	U	970	UJ	1000	U	11000	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	206-44-0	Fluoranthene	ug/kg	44000		610	J	170	J	540	J	1500	J	260000	
SW8270D	86-73-7	Fluorene	ug/kg	38000		130	J	49	J	330	J	850	J	210000	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	2300	UJ	180	UJ	170	UJ	970	UJ	1000	UJ	11000	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	4300		220	J	90	J	120	J	260	J	19000	
SW8270D	78-59-1	Isophorone	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	91-20-3	Naphthalene	ug/kg	4600		490	J	260	J	1000		1900		2700000	
SW8270D	98-95-3	Nitrobenzene	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	1900	J	180	U	170	U	970	U	1000	U	14000	
SW8270D	87-86-5	Pentachlorophenol	ug/kg	4500	U	350	U	340	U	1900	U	2000	U	22000	U
SW8270D	85-01-8	Phenanthrene	ug/kg	58000		640	J	190	J	930	J	2600	J	690000	
SW8270D	108-95-2	Phenol	ug/kg	2300	U	180	U	170	U	970	U	1000	U	11000	U
SW8270D	129-00-0	Pyrene	ug/kg	47000		540	J	170	J	670	J	1800	J	270000	
SW9012	57-12-5	Cyanide	mg/kg	28.6		2.7		1.7		19.5	J	90.6	J	109	

			Location ID	PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-011		PDI-ONSO-011	
			Sample ID	PDI-ONSO-010-17-17.6		PDI-ONSO-010-7-9		PDI-ONSO-010-7-9-DUP		PDI-ONSO-010-9-11		PDI-ONSO-011-13-14		PDI-ONSO-011-1-4	
			Start Depth	17		7		7		9		13		1	
			End Depth	17.6		9		9		11		14		4	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/26/2023		10/26/2023	
			SDG	4802141601		4802141601		4802141601		4802141601		4802142381		4802142381	
			Lab Sample ID	480-214160-10		480-214160-6		480-214160-7		480-214160-8		480-214238-5		480-214238-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	1.1	U	0.84	U	0.94	U	0.89	U	0.9	U	0.82	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.8	U	2.1	U	2.4	U	2.2	U	2.3	U	2.1	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.8	U	2.1	U	2.4	U	2.2	U	2.3	U	2.1	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6.9	U	5.2	U	5.9	U	5.6	U	5.6	U	5.1	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6.9	U	5.2	U	5.9	U	5.6	U	5.6	U	5.1	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.4	U	1	U	1.2	U	1.1	U	1.1	U	1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.13	J	0.16	J	0.2	J	0.18	J	0.9	U	0.82	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	1.1	U	0.84	U	0.94	U	0.89	U	0.9	U	0.82	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.55	U	0.42	U	0.47	U	0.45	U	0.45	U	0.41	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.55	U	0.42	U	0.47	U	0.45	U	0.45	U	0.41	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	1.1	U	0.84	U	0.94	U	0.89	U	0.9	U	0.82	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.55	U	0.42	U	0.47	U	0.45	U	0.45	U	0.41	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.55	U	0.42	U	0.47	U	0.45	U	0.45	U	0.41	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.78	J	0.84	U	0.94	U	0.24	J	0.9	U	0.043	J
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.28	U	0.033	J	0.039	J	0.034	JN	0.23	U	0.21	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.28	U	0.21	U	0.24	U	0.04	JN	0.23	U	0.21	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.28	U	0.03	JN	0.016	J	0.22	U	0.23	U	0.21	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.28	U	0.34		0.43		0.2	J	0.23	U	0.38	
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.28	U	0.096	JN	0.079	J	0.22	U	0.23	U	0.057	J
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.065	JN	0.42	U	0.47	U	0.058	JN	0.45	U	0.41	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.28	U	0.21	U	0.24	U	0.22	U	0.23	U	0.21	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	1.1	U	0.84	U	0.94	U	0.89	U	0.9	U	0.82	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	1.1	U	0.84	U	0.94	U	0.89	U	0.9	U	0.82	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	1.1	U	0.84	U	0.94	U	0.89	U	0.9	U	0.82	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	20.4		12.2		13.1		21.2		13.7		17	
SW6010C	7429-90-5	Aluminum	mg/kg	8210		8580		8700		8100		10100		8250	
SW6010C	7440-36-0	Antimony	mg/kg	37.4		3	J	2.8	J	6	J	5.4	J	7.5	J
SW6010C	7440-38-2	Arsenic	mg/kg	68.6		12.4		12.2		34.6		11.4		16.3	
SW6010C	7440-39-3	Barium	mg/kg	38.6		73.3		90.8		63.1		47.7		68.3	
SW6010C	7440-41-7	Beryllium	mg/kg	0.61		0.47		0.49		0.49		0.52		0.42	

			Location ID	PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-011		PDI-ONSO-011	
			Sample ID	PDI-ONSO-010-17-17.6		PDI-ONSO-010-7-9		PDI-ONSO-010-7-9-DUP		PDI-ONSO-010-9-11		PDI-ONSO-011-13-14		PDI-ONSO-011-1-4	
			Start Depth	17		7		7		9		13		1	
			End Depth	17.6		9		9		11		14		4	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/26/2023		10/26/2023	
			SDG	4802141601		4802141601		4802141601		4802141601		4802142381		4802142381	
			Lab Sample ID	480-214160-10		480-214160-6		480-214160-7		480-214160-8		480-214238-5		480-214238-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.29	U	0.33		0.37		0.29		0.22	J	1.6	
SW6010C	7440-70-2	Calcium	mg/kg	61500		31800		35100		29800		9180		28000	
SW6010C	7440-47-3	Chromium, Total	mg/kg	20.4		12.2		13.1		21.2		13.7		17	
SW6010C	7440-48-4	Cobalt	mg/kg	4.7		5.1		5.6		2.9		7.7		6.4	
SW6010C	7440-50-8	Copper	mg/kg	79.9	J+	26.5	J+	29.6	J+	39.4	J+	23.8		90.9	
SW6010C	7439-89-6	Iron	mg/kg	79000		15300		14400		21800		19300		23000	
SW6010C	7439-92-1	Lead	mg/kg	751		118		154		150		70.2		374	
SW6010C	7439-95-4	Magnesium	mg/kg	12800		11300		11500		11700		3810		8730	
SW6010C	7439-96-5	Manganese	mg/kg	452		380		338		317		191		328	
SW6010C	7440-02-0	Nickel	mg/kg	5.1	J	15.1		15.7		7		18.7		21.6	
SW6010C	7440-09-7	Potassium	mg/kg	1630	J+	1920	J+	2130	J+	1960	J+	2140		1730	
SW6010C	7782-49-2	Selenium	mg/kg	2.1	J	0.5	J	4.6	U	4.4	U	5.1	U	0.94	J
SW6010C	7440-22-4	Silver	mg/kg	3.8		0.53	J	0.61	J	0.61	J	0.76	U	0.65	U
SW6010C	7440-23-5	Sodium	mg/kg	429		253		294		296		263		183	
SW6010C	7440-28-0	Thallium	mg/kg	8.8	U	7	U	6.9	U	6.6	U	7.6	U	6.5	U
SW6010C	7440-62-2	Vanadium	mg/kg	22.8		19		22.6		26.9		19		21.9	
SW6010C	7440-66-6	Zinc	mg/kg	80.7		90.9		99.2		77.1		62.8		117	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.8	UJ	2.2	UJ	2.3	UJ	2.2	UJ	2.4	U	2.2	U
SW7471B	7439-97-6	Mercury	mg/kg	0.32		0.54		0.79		0.64		0.57		4.3	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	591-78-6	2-Hexanone	ug/kg	8000	U	210	U	240	U	2000	U	980	U	25	U
SW8260C	67-64-1	Acetone	ug/kg	8000	U	210	U	240	U	2000	U	980	U	25	U
SW8260C	71-43-2	Benzene	ug/kg	12000		410		390		860		200	U	4.9	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	75-25-2	Bromoform	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	74-83-9	Bromomethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	2000		42	U	48	U	400	U	200	U	4.9	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	75-00-3	Chloroethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	67-66-3	Chloroform	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	74-87-3	Chloromethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	UJ
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U

			Location ID	PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-011		PDI-ONSO-011	
			Sample ID	PDI-ONSO-010-17-17.6		PDI-ONSO-010-7-9		PDI-ONSO-010-7-9-DUP		PDI-ONSO-010-9-11		PDI-ONSO-011-13-14		PDI-ONSO-011-1-4	
			Start Depth	17		7		7		9		13		1	
			End Depth	17.6		9		9		11		14		4	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/26/2023		10/26/2023	
			SDG	4802141601		4802141601		4802141601		4802141601		4802142381		4802142381	
			Lab Sample ID	480-214160-10		480-214160-6		480-214160-7		480-214160-8		480-214238-5		480-214238-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	110-82-7	Cyclohexane	ug/kg	1600	U	13	J	48	U	400	U	200	U	4.9	UJ
SW8260C	124-48-1	Dibromochloromethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	19000		56		63		540		720		4.9	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	1800	J	31	J	31	J	130	J	1600		4.9	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	8000	U	210	U	120	J	2000	U	980	UJ	25	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	8000	U	210	U	240	U	2000	U	980	U	25	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	8000	U	210	U	240	U	2000	U	980	U	25	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	1600	U	50		48	U	400	U	100	J	4.9	UJ
SW8260C	75-09-2	Methylene Chloride	ug/kg	1600	U	42	U	19	J	400	U	200	U	4.9	U
SW8260C	100-42-5	Styrene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	1600	UJ	42	UJ	48	UJ	400	UJ	200	U	4.9	U
SW8260C	108-88-3	Toluene	ug/kg	1200	J	430		510		370	J	200	U	4.9	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	UJ
SW8260C	75-01-4	Vinyl Chloride	ug/kg	1600	U	42	U	48	U	400	U	200	U	4.9	UJ
SW8260C	1330-20-7	Xylenes	ug/kg	160000		680		620		760	J	410		9.9	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	3700	U	1100	U	1200	U	1100	U	120	U	1100	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	61000	U	18000	U	19000	U	19000	U	2000	U	18000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	520000		650	J	760	J	4600		460		1900	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	83-32-9	Acenaphthene	ug/kg	37000		300	J	2000	U	6200		450		1900	U

			Location ID	PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-010		PDI-ONSO-011		PDI-ONSO-011	
			Sample ID	PDI-ONSO-010-17-17.6		PDI-ONSO-010-7-9		PDI-ONSO-010-7-9-DUP		PDI-ONSO-010-9-11		PDI-ONSO-011-13-14		PDI-ONSO-011-1-4	
			Start Depth	17		7		7		9		13		1	
			End Depth	17.6		9		9		11		14		4	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/26/2023		10/26/2023	
			SDG	4802141601		4802141601		4802141601		4802141601		4802142381		4802142381	
			Lab Sample ID	480-214160-10		480-214160-6		480-214160-7		480-214160-8		480-214238-5		480-214238-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		FD		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	82000		1800	J	1900	J	11000		130	J	640	J
SW8270D	98-86-2	Acetophenone	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	120-12-7	Anthracene	ug/kg	120000		1500	J	1200	J	24000		140	J	1900	U
SW8270D	1912-24-9	Atrazine	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	72000		3800		3200		26000		260		1100	J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	47000		4100		3900		22000		270		1200	J
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	42000		4400		4100		26000		330		1300	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	14000		2200		2200		7700		140	J	640	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	24000		2200		2100		9300		120	J	730	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	62000		1900	U	2000	U	4600		200	U	1900	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	105-60-2	Caprolactam	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	86-74-8	Carbazole	ug/kg	9100		1900	U	260	J	6500		28	J	1900	U
SW8270D	218-01-9	Chrysene	ug/kg	67000		3700		3400		26000		280		1200	J
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	5300	J	610	J	720	J	2300		40	J	1900	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	48000		320	J	270	J	12000		74	J	1900	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	206-44-0	Fluoranthene	ug/kg	160000		6200		4900		61000		440		1600	J
SW8270D	86-73-7	Fluorene	ug/kg	130000		530	J	570	J	19000		110	J	1900	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	6300	UJ	1900	UJ	2000	UJ	1900	UJ	200	UJ	1900	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	13000		2100		2000		7500		140	J	580	J
SW8270D	78-59-1	Isophorone	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	91-20-3	Naphthalene	ug/kg	1500000		1600	J	2000		12000		1400		260	J
SW8270D	98-95-3	Nitrobenzene	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	6700		1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	12000	U	3600	U	3900	U	3700	U	390	U	3600	U
SW8270D	85-01-8	Phenanthrene	ug/kg	420000		3200		2400		82000		360		640	J
SW8270D	108-95-2	Phenol	ug/kg	6300	U	1900	U	2000	U	1900	U	200	U	1900	U
SW8270D	129-00-0	Pyrene	ug/kg	170000		5800		5100		56000		490		1300	J
SW9012	57-12-5	Cyanide	mg/kg	195		1.4		1.9		68.6		2.2		4.4	

		Location ID	PDI-ONSO-011		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-013		PDI-ONSO-013	
		Sample ID	PDI-ONSO-011-14-14.5		PDI-ONSO-012-13-15		PDI-ONSO-012-19-19.66		PDI-ONSO-012-5-7		PDI-ONSO-013-15-19		PDI-ONSO-013-5-6	
		Start Depth	14		13		19		5		15		5	
		End Depth	14.5		15		19.66		7		19		6	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/26/2023		10/19/2023		10/19/2023		10/19/2023		10/17/2023		10/17/2023	
		SDG	4802142381		4802140021		4802140021		4802140021		4802138871		4802138871	
		Lab Sample ID	480-214238-6		480-214002-2		480-214002-3		480-214002-1		480-213887-3		480-213887-1	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.83	U	0.94	U	0.82	U	0.9	U	1.1	U	0.96	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.1	U	2.3	U	2	U	2.3	U	2.7	U	2.4	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.1	U	2.3	U	2	U	2.3	U	2.7	U	2.4	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.2	U	5.9	U	5.1	U	5.6	U	6.9	U	6	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.2	U	5.9	U	5.1	U	5.6	U	6.9	U	6	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1	U	1.2	U	1	U	1.1	U	1.4	U	1.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.83	U	0.94	U	0.82	U	0.9	U	1.1	U	0.96	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.83	U	0.94	U	0.82	U	0.9	U	1.1	U	0.96	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.41	U	0.47	U	0.41	U	0.45	U	0.55	U	0.48	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.41	U	0.47	U	0.41	U	0.45	U	0.55	U	0.48	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.83	U	0.94	U	0.82	U	0.9	U	1.1	U	0.96	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.41	U	0.47	U	0.41	U	0.45	U	0.55	U	0.48	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.41	U	0.47	U	0.41	U	0.45	U	0.55	U	0.48	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.83	U	0.94	U	0.82	U	0.9	U	1.1	U	0.96	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.21	U	0.23	U	0.2	U	0.11	J	0.087	J	0.19	J
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.058	J
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.41	U	0.054	JN	0.026	JN	0.45	U	0.049	JN	0.48	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.21	U	0.23	U	0.2	U	0.23	U	0.27	U	0.24	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.83	U	0.94	U	0.82	U	0.9	U	1.1	U	0.96	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.83	U	0.94	U	0.82	U	0.9	U	1.1	U	0.96	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.83	U	0.94	U	0.82	U	0.9	U	1.1	U	0.96	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	11.3		14.3		10.3		9.9		39.2		21.4	
SW6010C	7429-90-5	Aluminum	mg/kg	11200		11100		8330		7680		7640		11900	
SW6010C	7440-36-0	Antimony	mg/kg	17.3	U	1.8	J	0.65	J	0.86	J	2.8	J	0.78	J
SW6010C	7440-38-2	Arsenic	mg/kg	11.4		13.9		14.1		5.3		37.3		16.7	J
SW6010C	7440-39-3	Barium	mg/kg	24		48.9		41.2		64.5		69.5		104	J
SW6010C	7440-41-7	Beryllium	mg/kg	0.59		0.64		0.51		0.38		0.49		1.4	J

			Location ID	PDI-ONSO-011		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-013		PDI-ONSO-013	
			Sample ID	PDI-ONSO-011-14-14.5		PDI-ONSO-012-13-15		PDI-ONSO-012-19-19.66		PDI-ONSO-012-5-7		PDI-ONSO-013-15-19		PDI-ONSO-013-5-6	
			Start Depth	14		13		19		5		15		5	
			End Depth	14.5		15		19.66		7		19		6	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/26/2023		10/19/2023		10/19/2023		10/19/2023		10/17/2023		10/17/2023	
			SDG	4802142381		4802140021		4802140021		4802140021		4802138871		4802138871	
			Lab Sample ID	480-214238-6		480-214002-2		480-214002-3		480-214002-1		480-213887-3		480-213887-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.23	U	0.044	J	0.072	J	0.14	J	0.28	U	0.05	J
SW6010C	7440-70-2	Calcium	mg/kg	132000		2370		95600		40400		12000		43600	J
SW6010C	7440-47-3	Chromium, Total	mg/kg	11.3		14.3		10.3		9.9		39.2		21.4	J
SW6010C	7440-48-4	Cobalt	mg/kg	11.3		8.5		6.1		4.4		13		5.5	
SW6010C	7440-50-8	Copper	mg/kg	20		14.7		14.9		18		33.3		22.8	
SW6010C	7439-89-6	Iron	mg/kg	10200		26700		12900		11700		42700		15800	
SW6010C	7439-92-1	Lead	mg/kg	16.8		43.6		27.7		102		432		47.7	
SW6010C	7439-95-4	Magnesium	mg/kg	8240		2810		35700		15100		4770		9050	J
SW6010C	7439-96-5	Manganese	mg/kg	320		144		1120		385		441		526	J
SW6010C	7440-02-0	Nickel	mg/kg	18.1		19.9		12		10.9		37.3		14.9	
SW6010C	7440-09-7	Potassium	mg/kg	5510		2760		3420		1720		1050		2280	J
SW6010C	7782-49-2	Selenium	mg/kg	0.56	J	5	U	4.5	U	4.7	U	5.6	U	5	U
SW6010C	7440-22-4	Silver	mg/kg	0.69	U	0.75	U	0.68	U	0.71	U	0.84	U	0.75	U
SW6010C	7440-23-5	Sodium	mg/kg	402		289		327		201		613		660	J
SW6010C	7440-28-0	Thallium	mg/kg	6.9	U	7.5	U	0.4	J	7.1	U	8.4	U	7.5	U
SW6010C	7440-62-2	Vanadium	mg/kg	14.9		21.1		14.3		16.8		35		20.3	
SW6010C	7440-66-6	Zinc	mg/kg	45.6		54.8		33.4		61.2		72		47.6	J
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.2	U	2.5	UJ	2.2	UJ	2.2	UJ	2.7	U	2.5	U
SW7471B	7439-97-6	Mercury	mg/kg	0.026		0.34		0.095		0.17	J	1.1		0.41	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	591-78-6	2-Hexanone	ug/kg	21	U	2900	U	860	U	220	U	3800	U	370	U
SW8260C	67-64-1	Acetone	ug/kg	11	J	2900	U	860	U	220	U	3800	U	370	U
SW8260C	71-43-2	Benzene	ug/kg	1	J	580	U	170	U	45	U	760	U	73	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	75-25-2	Bromoform	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	74-83-9	Bromomethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	4.1	U	580	U	170	U	45	U	760	U	43	J
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	75-00-3	Chloroethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	67-66-3	Chloroform	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	74-87-3	Chloromethane	ug/kg	4.1	UJ	580	U	170	U	45	U	760	U	73	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U

			Location ID	PDI-ONSO-011		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-013		PDI-ONSO-013	
			Sample ID	PDI-ONSO-011-14-14.5		PDI-ONSO-012-13-15		PDI-ONSO-012-19-19.66		PDI-ONSO-012-5-7		PDI-ONSO-013-15-19		PDI-ONSO-013-5-6	
			Start Depth	14		13		19		5		15		5	
			End Depth	14.5		15		19.66		7		19		6	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/26/2023		10/19/2023		10/19/2023		10/19/2023		10/17/2023		10/17/2023	
			SDG	4802142381		4802140021		4802140021		4802140021		4802138871		4802138871	
			Lab Sample ID	480-214238-6		480-214002-2		480-214002-3		480-214002-1		480-213887-3		480-213887-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	110-82-7	Cyclohexane	ug/kg	4.1	UJ	580	U	170	U	45	U	760	U	73	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	3.1	J	1100		200		21	J	6400		120	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	14		5100	J	1100	J	45	UJ	5100		22	J
SW8260C	79-20-9	Methyl Acetate	ug/kg	21	U	2900	U	820	J	170	J	3800	U	220	J
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	21	U	2900	U	860	U	220	U	3800	U	370	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	21	U	2900	U	860	U	220	U	3800	U	370	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	4.1	UJ	580	U	170	U	45	U	520	J	73	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	4.1	U	580	U	69	J	16	J	760	U	73	U
SW8260C	100-42-5	Styrene	ug/kg	0.22	J	580	U	170	U	45	U	760	U	73	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	108-88-3	Toluene	ug/kg	4.1	U	580	U	63	J	43	J	760	U	130	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	4.1	U	580	U	170	U	45	U	760	U	73	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	4.1	UJ	580	U	170	U	45	U	760	U	73	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	4.1	UJ	580	U	170	U	45	U	760	U	73	U
SW8260C	1330-20-7	Xylenes	ug/kg	0.99	J	720	J	240	J	78	J	1400	J	250	
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	110	U	130	U	110	U	1100	U	2300	U	1200	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	1900	U	2100	U	1800	U	19000	U	39000	U	20000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	86	J	210	U	95	J	1900	U	1000	J	430	J
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	83-32-9	Acenaphthene	ug/kg	220		100	J	740		1900	U	2900	J	2100	U

			Location ID	PDI-ONSO-011		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-012		PDI-ONSO-013		PDI-ONSO-013	
			Sample ID	PDI-ONSO-011-14-14.5		PDI-ONSO-012-13-15		PDI-ONSO-012-19-19.66		PDI-ONSO-012-5-7		PDI-ONSO-013-15-19		PDI-ONSO-013-5-6	
			Start Depth	14		13		19		5		15		5	
			End Depth	14.5		15		19.66		7		19		6	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/26/2023		10/19/2023		10/19/2023		10/19/2023		10/17/2023		10/17/2023	
			SDG	4802142381		4802140021		4802140021		4802140021		4802138871		4802138871	
			Lab Sample ID	480-214238-6		480-214002-2		480-214002-3		480-214002-1		480-213887-3		480-213887-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	68	J	200	J	210		1900	U	3300	J	1900	J
SW8270D	98-86-2	Acetophenone	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	120-12-7	Anthracene	ug/kg	190	U	210		290		1900	U	7900		830	J
SW8270D	1912-24-9	Atrazine	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	32	J	250		430		760	J	6200		1900	J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	30	J	220		380		850	J	5300		2900	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	38	J	230		290		1100	J	4700		2800	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	190	U	150	J	200		690	J	2600	J	2400	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	190	U	120	J	170	J	370	J	2200	J	1300	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	190	U	110	J	64	J	1900	U	1500	J	2100	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	105-60-2	Caprolactam	ug/kg	190	U	210	U	84	J	1900	U	4000	U	2100	U
SW8270D	86-74-8	Carbazole	ug/kg	190	U	210	U	190	U	1900	U	470	J	2100	U
SW8270D	218-01-9	Chrysene	ug/kg	190	U	230		430		870	J	6000		2000	J
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	190	U	43	J	59	J	1900	U	810	J	700	J
SW8270D	132-64-9	Dibenzofuran	ug/kg	190	U	110	J	71	J	1900	U	3800	J	2100	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	206-44-0	Fluoranthene	ug/kg	43	J	610		850		1400	J	14000		2400	
SW8270D	86-73-7	Fluorene	ug/kg	43	J	240		240		1900	U	8100		430	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	190	UJ	210	UJ	190	UJ	1900	UJ	4000	UJ	2100	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	190	U	130	J	150	J	560	J	2300	J	2100	
SW8270D	78-59-1	Isophorone	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	91-20-3	Naphthalene	ug/kg	180	J	330		380		1900	U	3100	J	1300	J
SW8270D	98-95-3	Nitrobenzene	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	370	U	420	U	370	U	3700	U	7700	U	4100	U
SW8270D	85-01-8	Phenanthrene	ug/kg	50	J	900		520		1100	J	26000		1800	J
SW8270D	108-95-2	Phenol	ug/kg	190	U	210	U	190	U	1900	U	4000	U	2100	U
SW8270D	129-00-0	Pyrene	ug/kg	55	J	630		1200		1300	J	15000		3000	
SW9012	57-12-5	Cyanide	mg/kg	1.1	UJ	2.9		0.82	J	1.1	U	11.3		39.8	J

		Location ID	PDI-ONSO-013		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-015	
		Sample ID	PDI-ONSO-013-7-9		PDI-ONSO-014-11-13		PDI-ONSO-014-17-19		PDI-ONSO-014-19-20		PDI-ONSO-014-5-7		PDI-ONSO-015-11-13	
		Start Depth	7		11		17		19		5		11	
		End Depth	9		13		19		20		7		13	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/17/2023		10/6/2023		10/10/2023		10/10/2023		10/6/2023		10/19/2023	
		SDG	4802138871		4802134721		4802135991		4802135991		4802134721		4802140021	
		Lab Sample ID	480-213887-2		480-213472-3		480-213599-2		480-213599-3		480-213472-2		480-214002-4	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	1.1	U	0.91	U	0.93	U	0.87	U	0.88	U	0.98	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.6	U	2.3	U	2.3	U	2.2	U	2.2	U	2.4	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.6	U	2.3	U	2.3	U	2.2	U	2.2	U	2.4	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	6.6	U	5.7	U	5.8	U	5.4	U	5.5	U	6.1	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	6.6	U	5.7	U	5.8	U	5.4	U	5.5	U	6.1	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.3	U	1.1	U	1.2	U	1.1	U	0.27	JN	1.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	1.1	U	0.91	U	0.93	U	0.87	U	0.88	U	0.98	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	1.1	U	0.91	U	0.93	U	0.87	U	0.88	U	0.98	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.53	U	0.46	U	0.47	U	0.44	U	0.44	U	0.49	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.53	U	0.46	U	0.47	U	0.44	U	0.44	U	0.49	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	1.1	U	0.91	U	0.93	U	0.87	U	0.88	U	0.98	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.53	U	0.46	U	0.47	U	0.44	U	0.44	U	0.49	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.53	U	0.46	U	0.47	U	0.44	U	0.44	U	0.49	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.26	U	0.44	J	0.23	U	0.22	U	0.76	J	0.24	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	1.1	U	0.91	U	0.93	U	0.87	U	0.096	J	0.13	J
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.26	U	0.057	J	0.23	U	0.22	U	0.22	U	0.24	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.033	J	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.45		0.23	U	0.23	U	0.22	U	0.13	JN	0.24	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.12	J	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.53	U	0.46	U	0.47	U	0.44	U	0.034	J	0.49	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.26	U	0.23	U	0.23	U	0.22	U	0.22	U	0.24	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	1.1	U	0.91	U	0.93	U	0.87	U	0.88	U	0.98	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	1.1	U	0.91	U	0.93	U	0.87	U	0.88	U	0.98	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	1.1	U	0.91	U	0.93	U	0.87	U	0.88	U	0.98	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	33.2		15.4		4.9		9.7		17.8		15.6	
SW6010C	7429-90-5	Aluminum	mg/kg	13100		8290		8070		5500		8280		13400	
SW6010C	7440-36-0	Antimony	mg/kg	1.5	J	18.6	U	2.1	J	1.2	J	17.4	U	1.3	J
SW6010C	7440-38-2	Arsenic	mg/kg	182		112		17.1		24.2		104		13.1	
SW6010C	7440-39-3	Barium	mg/kg	90.3		60.2		51.2		25		60.1		82.4	
SW6010C	7440-41-7	Beryllium	mg/kg	1.1		0.46		0.41		0.3		0.48		0.73	

			Location ID	PDI-ONSO-013		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-015	
			Sample ID	PDI-ONSO-013-7-9		PDI-ONSO-014-11-13		PDI-ONSO-014-17-19		PDI-ONSO-014-19-20		PDI-ONSO-014-5-7		PDI-ONSO-015-11-13	
			Start Depth	7		11		17		19		5		11	
			End Depth	9		13		19		20		7		13	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/17/2023		10/6/2023		10/10/2023		10/10/2023		10/6/2023		10/19/2023	
			SDG	4802138871		4802134721		4802135991		4802135991		4802134721		4802140021	
			Lab Sample ID	480-213887-2		480-213472-3		480-213599-2		480-213599-3		480-213472-2		480-214002-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.54	J	0.21	J	0.083	J	0.21	U	0.2	J	0.091	J
SW6010C	7440-70-2	Calcium	mg/kg	28100		61900		142000		135000		60800		9290	
SW6010C	7440-47-3	Chromium, Total	mg/kg	33.2		15.4		9.5		9.7		17.8		15.6	
SW6010C	7440-48-4	Cobalt	mg/kg	7.7		7.1		6.5		3.9		7.1		8.7	
SW6010C	7440-50-8	Copper	mg/kg	76.1		29.8		14		11.5		30.4		18.5	
SW6010C	7439-89-6	Iron	mg/kg	33400		17600		13500		9180		18000		21900	
SW6010C	7439-92-1	Lead	mg/kg	378		112		19.5		14.4		101		63.6	
SW6010C	7439-95-4	Magnesium	mg/kg	5090		20000		24800		42300		18000		6150	
SW6010C	7439-96-5	Manganese	mg/kg	880		519		598		470		478		256	
SW6010C	7440-02-0	Nickel	mg/kg	45.2		18.6		16.4		8.8		18.9		22	
SW6010C	7440-09-7	Potassium	mg/kg	2230		2550		3070		2460		2680		3640	
SW6010C	7782-49-2	Selenium	mg/kg	5.5	U	4.9	U	2	J	1.7	J	4.6	U	4.8	U
SW6010C	7440-22-4	Silver	mg/kg	0.82	U	0.74	U	0.72	U	0.64	U	0.7	U	0.72	U
SW6010C	7440-23-5	Sodium	mg/kg	619		1120		359		310		465		97	J
SW6010C	7440-28-0	Thallium	mg/kg	8.2	U	7.4	U	7.2	U	6.4	U	7	U	7.2	U
SW6010C	7440-62-2	Vanadium	mg/kg	23.2		18.4		15.1		9.4		19.2		21.7	
SW6010C	7440-66-6	Zinc	mg/kg	155		70.3		65.5		40.3		74		102	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.6	U	2.3	U	4.6		2.2	U	2.4	U	2.4	UJ
SW7471B	7439-97-6	Mercury	mg/kg	1.1		0.52		0.0083	J	0.012	J	1		0.054	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	UJ
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	591-78-6	2-Hexanone	ug/kg	680	U	8700	U	1800	U	1300	U	9100	U	20	U
SW8260C	67-64-1	Acetone	ug/kg	680	U	8700	U	1800	U	1300	U	9100	U	47	
SW8260C	71-43-2	Benzene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	0.42	J
SW8260C	75-27-4	Bromodichloromethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	75-25-2	Bromoform	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	74-83-9	Bromomethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	73	J	1700	U	360	U	260	U	1800	U	4	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	75-00-3	Chloroethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	67-66-3	Chloroform	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	74-87-3	Chloromethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U

			Location ID	PDI-ONSO-013		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-015	
			Sample ID	PDI-ONSO-013-7-9		PDI-ONSO-014-11-13		PDI-ONSO-014-17-19		PDI-ONSO-014-19-20		PDI-ONSO-014-5-7		PDI-ONSO-015-11-13	
			Start Depth	7		11		17		19		5		11	
			End Depth	9		13		19		20		7		13	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/17/2023		10/6/2023		10/10/2023		10/10/2023		10/6/2023		10/19/2023	
			SDG	4802138871		4802134721		4802135991		4802135991		4802134721		4802140021	
			Lab Sample ID	480-213887-2		480-213472-3		480-213599-2		480-213599-3		480-213472-2		480-214002-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	110-82-7	Cyclohexane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	UJ
SW8260C	124-48-1	Dibromochloromethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	150		25000		2200		3700		15000		4	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	29	J	2900		1200	J	1200	J	2100		4	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	120	J	8700	U	1800	U	1300	U	9100	U	20	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	680	U	8700	U	1800	U	1300	U	9100	U	7.1	J
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	680	U	8700	U	1800	U	1300	U	9100	U	20	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	64	J	1300	J	700		1100		1800	U	4	UJ
SW8260C	75-09-2	Methylene Chloride	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	100-42-5	Styrene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	108-88-3	Toluene	ug/kg	220		1700	U	360	U	260	U	1800	U	0.39	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	UJ
SW8260C	75-01-4	Vinyl Chloride	ug/kg	140	U	1700	U	360	U	260	U	1800	U	4	UJ
SW8260C	1330-20-7	Xylenes	ug/kg	260	J	9600		710	U	450	J	8000		8	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	1300	U	570	U	120	U	110	U	580	U	120	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	2200	U	970	U	200	UJ	190	U	990	U	200	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	2200	U	970	U	200	UJ	190	U	990	U	200	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	2200	U	970	U	200	UJ	190	U	990	U	200	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	2200	U	970	U	200	UJ	190	U	990	U	200	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	21000	U	9500	UJ	2000	UJ	1900	UJ	9700	UJ	2000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	4200	U	1900	U	390	UJ	370	U	1900	U	400	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	1100	J	4000		200	U	760		650	J	200	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	2200	U	970	U	200	UJ	190	U	990	U	200	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	4200	U	1900	U	390	U	370	U	1900	U	400	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	2200	U	970	U	200	UJ	190	U	990	U	200	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	4200	U	1900	U	390	U	370	U	1900	U	400	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	4200	U	1900	U	390	U	370	U	1900	U	400	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	4200	U	1900	U	390	UJ	370	U	1900	U	400	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	2200	U	970	U	200	UJ	190	U	990	U	200	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	4200	U	1900	U	390	UJ	370	U	1900	U	400	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	4200	U	1900	U	390	U	370	U	1900	U	400	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	4200	U	1900	U	390	UJ	370	U	1900	U	400	U
SW8270D	83-32-9	Acenaphthene	ug/kg	520	J	3600		4700		4100		1200		200	U

			Location ID	PDI-ONSO-013		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-014		PDI-ONSO-015	
			Sample ID	PDI-ONSO-013-7-9		PDI-ONSO-014-11-13		PDI-ONSO-014-17-19		PDI-ONSO-014-19-20		PDI-ONSO-014-5-7		PDI-ONSO-015-11-13	
			Start Depth	7		11		17		19		5		11	
			End Depth	9		13		19		20		7		13	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/17/2023		10/6/2023		10/10/2023		10/10/2023		10/6/2023		10/19/2023	
			SDG	4802138871		4802134721		4802135991		4802135991		4802134721		4802140021	
			Lab Sample ID	480-213887-2		480-213472-3		480-213599-2		480-213599-3		480-213472-2		480-214002-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	3500		2500		1400		940		850	J	200	U
SW8270D	98-86-2	Acetophenone	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	120-12-7	Anthracene	ug/kg	3100		4200		4400		3800		1400		200	U
SW8270D	1912-24-9	Atrazine	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	7500		3200		2900		2300		1300		140	J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	11000		3800		3200		2300		1900		180	J
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	10000		2700		2100		1400		1600		180	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	7400		1400		1400		950		1000		120	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	5000		1300		760		710		600	J	60	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	2200	U	970	U	200	U	100	J	990	U	200	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	350	J	2900		140	J	240		960	J	200	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	2200	U	970	UJ	200	UJ	190	UJ	990	UJ	200	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	105-60-2	Caprolactam	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	86-74-8	Carbazole	ug/kg	490	J	160	J	220		180	J	990	U	200	U
SW8270D	218-01-9	Chrysene	ug/kg	7900		3100		2800		2100		1500		140	J
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	2300		290	J	350		240		210	J	200	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	930	J	1200		850		690		410	J	200	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	206-44-0	Fluoranthene	ug/kg	11000		7500		6200		5400		3200		190	J
SW8270D	86-73-7	Fluorene	ug/kg	1900	J	4400		4900		4200		1600		200	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	2200	UJ	970	U	200	U	190	U	990	U	200	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	6800		1100		1100		760		830	J	83	J
SW8270D	78-59-1	Isophorone	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	91-20-3	Naphthalene	ug/kg	1900	J	90000		380		2900		14000		200	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	2200	U	970	U	200	U	190	U	990	U	200	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	2200	U	1100		430		300		990	U	200	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	4200	U	1900	U	390	UJ	370	U	1900	U	400	U
SW8270D	85-01-8	Phenanthrene	ug/kg	9700		17000		18000		13000		6700		52	J
SW8270D	108-95-2	Phenol	ug/kg	2200	U	970	U	200	UJ	190	U	990	U	200	U
SW8270D	129-00-0	Pyrene	ug/kg	12000		8800		7600		6400		3900		250	
SW9012	57-12-5	Cyanide	mg/kg	20.9		2		1	U	0.63	J	1	J	0.87	J

			Location ID	PDI-ONSO-015		PDI-ONSO-015		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-017	
			Sample ID	PDI-ONSO-015-17-19		PDI-ONSO-015-21-21.66		PDI-ONSO-016-15-17		PDI-ONSO-016-19-21		PDI-ONSO-016-7-9		PDI-ONSO-017-15-17	
			Start Depth	17		21		15		19		7		15	
			End Depth	19		21.66		17		21		9		17	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/19/2023		10/19/2023		10/18/2023		10/18/2023		10/18/2023		10/17/2023	
			SDG	4802140021		4802140021		4802139231		4802139231		4802139231		4802138871	
			Lab Sample ID	480-214002-5		480-214002-6		480-213923-1		480-213923-3		480-213923-2		480-213887-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.87	U	0.9	U	1	U	0.86	U	0.93	U	0.92	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.2	U	2.3	U	2.5	U	2.1	U	2.3	U	2.3	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.2	U	2.3	U	2.5	U	2.1	U	0.2	J	2.3	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.5	U	5.6	U	6.3	U	5.4	U	5.8	U	5.7	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.5	U	5.6	U	6.3	U	5.4	U	5.8	U	5.7	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.1	U	1.1	U	1.3	U	1.1	U	1.2	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.87	U	0.9	U	1	U	0.86	U	0.93	U	0.92	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.87	U	0.9	U	1	U	0.86	U	0.93	U	0.92	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.15	J
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.44	U	0.45	U	0.51	U	0.43	U	0.46	U	0.46	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.44	U	0.45	U	0.51	U	0.43	U	0.46	U	0.46	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.87	U	0.9	U	1	U	0.86	U	0.93	U	0.92	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.44	U	0.45	U	0.51	U	0.43	U	0.46	U	0.46	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.44	U	0.45	U	0.51	U	0.43	U	0.46	U	0.46	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.87	U	0.9	U	1	U	0.86	U	0.18	J	0.085	J
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.13	JN	0.23	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.44	U	0.45	U	0.33	JN	0.13	J	0.46	U	0.071	JN
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.22	U	0.23	U	0.25	U	0.21	U	0.23	U	0.23	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.87	U	0.9	U	1	U	0.86	U	0.93	U	0.92	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.87	U	0.9	U	1	U	0.86	U	0.93	U	0.92	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.87	U	0.9	U	1	U	0.86	U	0.93	U	0.92	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	13		11		14.3		11.4		3		13.1	
SW6010C	7429-90-5	Aluminum	mg/kg	12700		10900		11600		9120		2480		9650	
SW6010C	7440-36-0	Antimony	mg/kg	18.8	U	18.2	U	3.7	J	0.78	J	18.2	U	0.86	J
SW6010C	7440-38-2	Arsenic	mg/kg	116		21.8		16.1		13.3		3.2		31.2	
SW6010C	7440-39-3	Barium	mg/kg	33.9		29.3		47.2		26.2		7.3		51.1	
SW6010C	7440-41-7	Beryllium	mg/kg	0.65		0.6		0.71		0.54		0.14	J	0.55	

			Location ID	PDI-ONSO-015		PDI-ONSO-015		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-017	
			Sample ID	PDI-ONSO-015-17-19		PDI-ONSO-015-21-21.66		PDI-ONSO-016-15-17		PDI-ONSO-016-19-21		PDI-ONSO-016-7-9		PDI-ONSO-017-15-17	
			Start Depth	17		21		15		19		7		15	
			End Depth	19		21.66		17		21		9		17	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/19/2023		10/19/2023		10/18/2023		10/18/2023		10/18/2023		10/17/2023	
			SDG	4802140021		4802140021		4802139231		4802139231		4802139231		4802138871	
			Lab Sample ID	480-214002-5		480-214002-6		480-213923-1		480-213923-3		480-213923-2		480-213887-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.25	U	0.24	U	0.1	J	0.22	U	0.24	U	0.044	J
SW6010C	7440-70-2	Calcium	mg/kg	158000		151000		62200		281000		33000		21200	
SW6010C	7440-47-3	Chromium, Total	mg/kg	13		11		14.3		11.4		3		13.1	
SW6010C	7440-48-4	Cobalt	mg/kg	9.7		7.4		9.1		13.9		2.9		6.3	
SW6010C	7440-50-8	Copper	mg/kg	27.3		23.6		17.2		126		4.6		22.2	
SW6010C	7439-89-6	Iron	mg/kg	12500		12600		18100		10500		2630		20100	
SW6010C	7439-92-1	Lead	mg/kg	16.9		17.3		52.1		21.2		4.7		146	
SW6010C	7439-95-4	Magnesium	mg/kg	6350		14200		8260		17100		4260		5360	
SW6010C	7439-96-5	Manganese	mg/kg	432		364		410		377		92.6		262	
SW6010C	7440-02-0	Nickel	mg/kg	17.5		14.7		20.4		18.9		4	J	16.5	
SW6010C	7440-09-7	Potassium	mg/kg	5660		5360		3640		4980		1300		1860	
SW6010C	7782-49-2	Selenium	mg/kg	5	U	4.9	U	0.85	J	0.81	J	4.9	U	4.9	U
SW6010C	7440-22-4	Silver	mg/kg	0.75	U	0.73	U	0.82	U	0.66	U	0.73	U	0.73	U
SW6010C	7440-23-5	Sodium	mg/kg	1140		990		463		445		108	J	240	
SW6010C	7440-28-0	Thallium	mg/kg	7.5	U	7.3	U	8.2	U	6.6	U	7.3	U	7.3	U
SW6010C	7440-62-2	Vanadium	mg/kg	18.1		14		19.1		13.8		3.6		17.3	
SW6010C	7440-66-6	Zinc	mg/kg	103		28.5		54.2		24.7		6.2		68.3	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.4	UJ	2.3	UJ	2.5	UJ	2.2	UJ	2.3	UJ	2.5	U
SW7471B	7439-97-6	Mercury	mg/kg	0.0096	J	0.017	J	0.086		0.028		8.9		0.78	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	3.8	UJ	46	U	1100	U	990	U	280	U	210	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	591-78-6	2-Hexanone	ug/kg	19	U	230	U	5500	U	4900	U	1400	U	1100	U
SW8260C	67-64-1	Acetone	ug/kg	13	J	230	U	5500	U	4900	U	1400	U	1100	U
SW8260C	71-43-2	Benzene	ug/kg	13		190		1100	U	990	U	280	U	810	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	75-25-2	Bromoform	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	74-83-9	Bromomethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	3.8	U	66		1100	U	990	U	280	U	210	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	75-00-3	Chloroethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	67-66-3	Chloroform	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	74-87-3	Chloromethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U

			Location ID	PDI-ONSO-015		PDI-ONSO-015		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-017	
			Sample ID	PDI-ONSO-015-17-19		PDI-ONSO-015-21-21.66		PDI-ONSO-016-15-17		PDI-ONSO-016-19-21		PDI-ONSO-016-7-9		PDI-ONSO-017-15-17	
			Start Depth	17		21		15		19		7		15	
			End Depth	19		21.66		17		21		9		17	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/19/2023		10/19/2023		10/18/2023		10/18/2023		10/18/2023		10/17/2023	
			SDG	4802140021		4802140021		4802139231		4802139231		4802139231		4802138871	
			Lab Sample ID	480-214002-5		480-214002-6		480-213923-1		480-213923-3		480-213923-2		480-213887-5	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	110-82-7	Cyclohexane	ug/kg	3.8	UJ	46	U	1100	U	990	U	280	U	210	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	1.9	J	270		38000		2300		83	J	2700	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	7.4		130	J	16000		1300		280	U	350	
SW8260C	79-20-9	Methyl Acetate	ug/kg	19	U	290		5500	U	4900	U	1400	U	1100	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	1.6	J	230	U	5500	U	4900	U	1400	U	1100	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	19	U	230	U	5500	U	4900	U	1400	U	1100	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	3.8	UJ	25	J	510	J	990	U	280	U	210	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	3.8	U	11	J	1100	U	990	U	280	U	210	U
SW8260C	100-42-5	Styrene	ug/kg	3.8	U	46	U	2200		990	U	280	U	210	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	108-88-3	Toluene	ug/kg	0.42	J	46	U	1100	U	990	U	220	J	560	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	3.8	U	46	U	1100	U	990	U	280	U	210	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	3.8	UJ	46	U	1100	U	990	U	280	U	210	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	3.8	UJ	46	U	1100	U	990	U	280	U	210	U
SW8260C	1330-20-7	Xylenes	ug/kg	7.7	U	65	J	84000		5000		250	J	890	
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	590	U	120	U	130	U	560	U	2300	U	1200	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	9800	U	2000	U	2100	U	9400	U	39000	U	20000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	1000	U	42	J	1200		2700		1200	J	2100	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	83-32-9	Acenaphthene	ug/kg	3800		240		42	J	5600		5900		350	J

		Location ID	PDI-ONSO-015		PDI-ONSO-015		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-016		PDI-ONSO-017	
		Sample ID	PDI-ONSO-015-17-19		PDI-ONSO-015-21-21.66		PDI-ONSO-016-15-17		PDI-ONSO-016-19-21		PDI-ONSO-016-7-9		PDI-ONSO-017-15-17	
		Start Depth	17		21		15		19		7		15	
		End Depth	19		21.66		17		21		9		17	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/19/2023		10/19/2023		10/18/2023		10/18/2023		10/18/2023		10/17/2023	
		SDG	4802140021		4802140021		4802139231		4802139231		4802139231		4802138871	
		Lab Sample ID	480-214002-5		480-214002-6		480-213923-1		480-213923-3		480-213923-2		480-213887-5	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW8270D	208-96-8	Acenaphthylene	ug/kg	1200		72	J	48	J	890	J	5400		2000	J
SW8270D	98-86-2	Acetophenone	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	120-12-7	Anthracene	ug/kg	3500		190	J	220	U	2800		9100		860	J
SW8270D	1912-24-9	Atrazine	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	3100		180	J	61	J	1700		19000		1200	J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	3100		170	J	49	J	1400		15000		1900	J
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	2100		130	J	59	J	1100		17000		1500	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	1500		90	J	33	J	600	J	7500		1600	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	720	J	48	J	220	U	430	J	8900		730	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	690	J	49	J	53	J	240	J	1000	J	2100	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	105-60-2	Caprolactam	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	86-74-8	Carbazole	ug/kg	1000	U	200	U	220	U	960	U	3000	J	2100	U
SW8270D	218-01-9	Chrysene	ug/kg	2800		170	J	56	J	1800		19000		1400	J
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	350	J	200	U	220	U	180	J	2400	J	380	J
SW8270D	132-64-9	Dibenzofuran	ug/kg	350	J	32	J	220	U	460	J	3300	J	2100	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	206-44-0	Fluoranthene	ug/kg	6000		360		120	J	3200		35000		1200	J
SW8270D	86-73-7	Fluorene	ug/kg	1900		140	J	50	J	1500		13000		420	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	1000	UJ	200	UJ	220	UJ	960	UJ	3900	UJ	2100	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	1000		62	J	220	U	480	J	6900		1200	J
SW8270D	78-59-1	Isophorone	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	91-20-3	Naphthalene	ug/kg	1000	U	150	J	17000		23000		1400	J	350	J
SW8270D	98-95-3	Nitrobenzene	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	1900	U	390	U	420	U	1900	U	7700	U	4100	U
SW8270D	85-01-8	Phenanthrene	ug/kg	1400		390		140	J	4500		46000		900	J
SW8270D	108-95-2	Phenol	ug/kg	1000	U	200	U	220	U	960	U	3900	U	2100	U
SW8270D	129-00-0	Pyrene	ug/kg	10000		580		130	J	5000		35000		2300	
SW9012	57-12-5	Cyanide	mg/kg	1.2	U	1.1	U	2.1		1.3		2.1	J	3.6	

			Location ID	PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-018		PDI-ONSO-018		PDI-ONSO-018	
			Sample ID	PDI-ONSO-017-19-21		PDI-ONSO-017-21-22		PDI-ONSO-017-9-11		PDI-ONSO-018-11-13		PDI-ONSO-018-13-15		PDI-ONSO-018-17-18	
			Start Depth	19		21		9		11		13		17	
			End Depth	21		22		11		13		15		18	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/17/2023		10/17/2023		10/17/2023		10/16/2023		10/16/2023		10/16/2023	
			SDG	4802138871		4802138871		4802138871		4802137941		4802137941		4802137941	
			Lab Sample ID	480-213887-6		480-213887-7		480-213887-4		480-213794-1		480-213794-2		480-213794-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.94	U	0.93	U	0.85	U	0.92	U	0.86	U	0.93	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.3	U	2.1	U	2.3	U	2.2	U	2.3	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.3	U	2.3	U	2.1	U	2.3	U	2.2	U	2.3	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.9	U	5.8	U	5.3	U	5.8	U	5.4	U	5.8	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.9	U	5.8	U	5.3	U	5.8	U	5.4	U	5.8	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.2	U	1.1	U	1.2	U	1.1	U	1.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.94	U	0.93	U	0.85	U	0.92	U	0.86	U	0.93	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.94	U	0.93	U	0.85	U	0.92	U	0.86	U	0.93	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.47	U	0.47	U	0.42	U	0.46	U	0.43	U	0.47	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.47	U	0.47	U	0.42	U	0.46	U	0.43	U	0.47	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.94	U	0.93	U	0.85	U	0.92	U	0.86	U	0.93	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.47	U	0.47	U	0.42	U	0.46	U	0.43	U	0.47	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.47	U	0.47	U	0.42	U	0.46	U	0.43	U	0.47	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.94	UJ	0.93	U	0.85	U	0.92	U	0.86	U	0.054	J
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.23	U	0.23	U	0.21	U	0.035	J	0.22	U	0.23	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.23	U	0.23	U	0.064	J	0.23	U	0.22	U	0.23	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.21	JN	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.061	J	0.47	U	0.42	U	0.46	U	0.43	U	0.47	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.23	U	0.23	U	0.21	U	0.23	U	0.22	U	0.23	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.94	U	0.93	U	0.85	U	0.92	U	0.86	U	0.93	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.94	U	0.93	U	0.85	U	0.92	U	0.86	U	0.93	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.94	U	0.93	U	0.85	U	0.92	U	0.86	U	0.93	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	10.1		12.3		13.8		14.3		8.9		8.6	
SW6010C	7429-90-5	Aluminum	mg/kg	7830		11400		10200		12100		6010		7730	
SW6010C	7440-36-0	Antimony	mg/kg	17.5	U	17.2	U	17.8	U	18	U	16.3	U	18.2	U
SW6010C	7440-38-2	Arsenic	mg/kg	24.3		13.6		12.9		13		7.5		6.9	
SW6010C	7440-39-3	Barium	mg/kg	34.1		28.6		75.1		73.6		22		33.5	
SW6010C	7440-41-7	Beryllium	mg/kg	0.45		0.61		0.72		0.77		0.39		0.48	

			Location ID	PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-018		PDI-ONSO-018		PDI-ONSO-018	
			Sample ID	PDI-ONSO-017-19-21		PDI-ONSO-017-21-22		PDI-ONSO-017-9-11		PDI-ONSO-018-11-13		PDI-ONSO-018-13-15		PDI-ONSO-018-17-18	
			Start Depth	19		21		9		11		13		17	
			End Depth	21		22		11		13		15		18	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/17/2023		10/17/2023		10/17/2023		10/16/2023		10/16/2023		10/16/2023	
			SDG	4802138871		4802138871		4802138871		4802137941		4802137941		4802137941	
			Lab Sample ID	480-213887-6		480-213887-7		480-213887-4		480-213794-1		480-213794-2		480-213794-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.23	U	0.23	U	0.12	J	0.24	U	0.22	U	0.24	U
SW6010C	7440-70-2	Calcium	mg/kg	22300		88700		63700		14100		54500		65700	
SW6010C	7440-47-3	Chromium, Total	mg/kg	10.1		12.3		13.8		14.3		8.9		8.6	
SW6010C	7440-48-4	Cobalt	mg/kg	5.7		8.6		5.8		9.4		5.5		5.4	
SW6010C	7440-50-8	Copper	mg/kg	16.7		29.5		19.1		14.2		8.3		14.4	
SW6010C	7439-89-6	Iron	mg/kg	17100		14100		16200		22900		17200		12600	
SW6010C	7439-92-1	Lead	mg/kg	89.3		23		56.1		26.3		23.6		14.7	
SW6010C	7439-95-4	Magnesium	mg/kg	5490		6810		10400		8190		28900		12300	
SW6010C	7439-96-5	Manganese	mg/kg	251		255		400		870		615		395	
SW6010C	7440-02-0	Nickel	mg/kg	14.8		17.7		14.4		23.9		12.7		12.1	
SW6010C	7440-09-7	Potassium	mg/kg	1620		4700		2270		2490		1690		3300	
SW6010C	7782-49-2	Selenium	mg/kg	4.7	U	4.6	U	4.8	U	4.8	U	4.4	U	4.9	U
SW6010C	7440-22-4	Silver	mg/kg	0.7	U	0.69	U	0.71	U	0.72	U	0.65	U	0.73	U
SW6010C	7440-23-5	Sodium	mg/kg	199		311		323		122	J	141	J	184	
SW6010C	7440-28-0	Thallium	mg/kg	7	U	6.9	U	7.1	U	7.2	U	6.5	U	7.3	U
SW6010C	7440-62-2	Vanadium	mg/kg	15.5		17.2		21.5		21		10		10.9	
SW6010C	7440-66-6	Zinc	mg/kg	45.3		36.3		69.5		52.5		57.1		51.3	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.4	U	2.3	U	2.3	U	2.3	U	2.1	U	2.4	U
SW7471B	7439-97-6	Mercury	mg/kg	0.15		0.052		0.09		0.12		0.0074	J	0.018	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	591-78-6	2-Hexanone	ug/kg	2500	U	11000	U	930	U	250	U	1900	U	11000	U
SW8260C	67-64-1	Acetone	ug/kg	2500	U	11000	U	930	U	250	U	1900	U	11000	U
SW8260C	71-43-2	Benzene	ug/kg	4400		2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-25-2	Bromoform	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	74-83-9	Bromomethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-00-3	Chloroethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	67-66-3	Chloroform	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	74-87-3	Chloromethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U

			Location ID	PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-018		PDI-ONSO-018		PDI-ONSO-018	
			Sample ID	PDI-ONSO-017-19-21		PDI-ONSO-017-21-22		PDI-ONSO-017-9-11		PDI-ONSO-018-11-13		PDI-ONSO-018-13-15		PDI-ONSO-018-17-18	
			Start Depth	19		21		9		11		13		17	
			End Depth	21		22		11		13		15		18	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/17/2023		10/17/2023		10/17/2023		10/16/2023		10/16/2023		10/16/2023	
			SDG	4802138871		4802138871		4802138871		4802137941		4802137941		4802137941	
			Lab Sample ID	480-213887-6		480-213887-7		480-213887-4		480-213794-1		480-213794-2		480-213794-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	110-82-7	Cyclohexane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	43000		11000		190	U	51	U	380	U	47000	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	6700		2100	J	190	U	51	U	1300		5800	
SW8260C	79-20-9	Methyl Acetate	ug/kg	2500	U	11000	U	930	U	250	U	1900	U	11000	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	2500	U	11000	U	930	U	250	U	1900	U	11000	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	2500	U	11000	U	930	U	250	U	1900	U	11000	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2300	
SW8260C	75-09-2	Methylene Chloride	ug/kg	510	U	2200	U	190	U	27	J	380	U	2100	U
SW8260C	100-42-5	Styrene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	108-88-3	Toluene	ug/kg	3200		2200	U	190	U	39	J	380	U	2100	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	510	U	2200	U	190	U	51	U	380	U	2100	U
SW8260C	1330-20-7	Xylenes	ug/kg	41000		19000		370	U	100	U	770	U	54000	
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	1200	U	1100	U	1200	U	110	U	2200	U	6000	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	20000	U	19000	U	19000	U	1900	U	36000	U	99000	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	UJ
SW8270D	95-57-8	2-Chlorophenol	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	UJ
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	26000		25000		2000	U	190	U	3700	U	51000	
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	UJ
SW8270D	88-74-4	2-Nitroaniline	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	U
SW8270D	83-32-9	Acenaphthene	ug/kg	75000		26000		2000	U	42	J	69000		17000	

			Location ID	PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-017		PDI-ONSO-018		PDI-ONSO-018		PDI-ONSO-018	
			Sample ID	PDI-ONSO-017-19-21		PDI-ONSO-017-21-22		PDI-ONSO-017-9-11		PDI-ONSO-018-11-13		PDI-ONSO-018-13-15		PDI-ONSO-018-17-18	
			Start Depth	19		21		9		11		13		17	
			End Depth	21		22		11		13		15		18	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/17/2023		10/17/2023		10/17/2023		10/16/2023		10/16/2023		10/16/2023	
			SDG	4802138871		4802138871		4802138871		4802137941		4802137941		4802137941	
			Lab Sample ID	480-213887-6		480-213887-7		480-213887-4		480-213794-1		480-213794-2		480-213794-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	15000		5400		2000	U	95	J	3700		4700	J
SW8270D	98-86-2	Acetophenone	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	120-12-7	Anthracene	ug/kg	53000		16000		2000	U	94	J	13000		6900	J
SW8270D	1912-24-9	Atrazine	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	UJ
SW8270D	100-52-7	Benzaldehyde	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	30000		9300		480	J	210		8700		4600	J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	24000		7700		490	J	260		6900		3300	J
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	16000		4800		520	J	250		4800		2300	J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	7000		2900		300	J	200		2900	J	1300	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	7200		2500		290	J	150	J	3200	J	10000	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	18000		5600		2000	U	190	U	3700	U	4800	J
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	105-60-2	Caprolactam	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	UJ
SW8270D	86-74-8	Carbazole	ug/kg	1000	J	300	J	2000	U	190	U	570	J	10000	U
SW8270D	218-01-9	Chrysene	ug/kg	28000		9200		530	J	210		8400		3700	J
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	2500		900	J	2000	U	43	J	730	J	10000	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	5100		1700	J	2000	U	24	J	14000		2700	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	206-44-0	Fluoranthene	ug/kg	54000		16000		810	J	370		17000		7400	J
SW8270D	86-73-7	Fluorene	ug/kg	52000		17000		2000	U	75	J	22000		9900	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	2000	UJ	1900	UJ	2000	UJ	190	UJ	3700	UJ	10000	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	6000		2400		270	J	160	J	2300	J	10000	U
SW8270D	78-59-1	Isophorone	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	91-20-3	Naphthalene	ug/kg	110000		61000		2000	U	67	J	3700	U	180000	
SW8270D	98-95-3	Nitrobenzene	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	UJ
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	2600		1900	U	2000	U	190	U	4600		10000	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	3900	U	3800	U	3800	U	380	U	7100	U	20000	U
SW8270D	85-01-8	Phenanthrene	ug/kg	170000		57000		670	J	380		18000		26000	
SW8270D	108-95-2	Phenol	ug/kg	2000	U	1900	U	2000	U	190	U	3700	U	10000	UJ
SW8270D	129-00-0	Pyrene	ug/kg	82000		26000		830	J	410		23000		11000	
SW9012	57-12-5	Cyanide	mg/kg	1.8		0.5	J	1.1	U	12.7		1.8		1.2	UJ

			Location ID	PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-020		PDI-ONSO-020	
			Sample ID	PDI-ONSO-019-13-15		PDI-ONSO-019-21-21.6		PDI-ONSO-019-5-7		PDI-ONSO-019-7-9		PDI-ONSO-020-12-13		PDI-ONSO-020-13-15	
			Start Depth	13		21		5		7		12		13	
			End Depth	15		21.6		7		9		13		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	9/27/2023		9/27/2023		9/27/2023		9/27/2023		9/28/2023		9/28/2023	
			SDG	4802131461		4802131461		4802131461		4802131461		4802132331		4802132331	
			Lab Sample ID	480-213146-3		480-213146-4		480-213146-1		480-213146-2		480-213233-1		480-213233-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg									0.95	U	0.91	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg									2.4	U	2.3	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg									2.4	U	2.3	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg									0.24	U	0.23	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg									5.9	U	5.7	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg									5.9	U	5.7	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg									1.2	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg									0.95	U	0.91	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg									0.95	U	0.91	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg									0.24	U	0.23	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg									0.24	U	0.23	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg									0.24	U	0.23	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg									0.47	U	0.46	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg									0.47	U	0.46	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg									0.95	U	0.91	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg									0.47	U	0.46	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg									0.47	U	0.46	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg									0.24	U	0.23	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg									0.95	U	0.91	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg									0.24	U	0.23	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg									0.24	U	0.23	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg									0.24	U	0.23	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg									0.24	U	0.23	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg									0.24	U	0.23	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg									0.24	U	0.23	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg									0.24	U	0.23	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg									0.24	U	0.23	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg									0.24	U	0.23	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg									0.24	U	0.23	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg									0.24	U	0.23	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg									0.24	U	0.23	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg									0.24	U	0.23	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg									0.24	U	0.23	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg									0.47	U	0.46	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg									0.24	U	0.23	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg									0.24	U	0.23	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg									0.24	U	0.23	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg									0.95	U	0.91	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg									0.95	U	0.91	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg									0.95	U	0.91	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	7.7	J	14.1		22.4		5.3		11.4		8.8	
SW6010C	7429-90-5	Aluminum	mg/kg	5050	J	12000		10800		4100		9240		7740	
SW6010C	7440-36-0	Antimony	mg/kg	35.7	UJ	18.5	U	20.7	U	24.7	U	16.9	U	17	U
SW6010C	7440-38-2	Arsenic	mg/kg	47.9	J	11.3		19.3		19.2		6.5		6.7	
SW6010C	7440-39-3	Barium	mg/kg	136	J	29		278		27.5		131		36.8	
SW6010C	7440-41-7	Beryllium	mg/kg	0.25	J	0.63		1.3		0.22	J	0.49		0.42	

			Location ID	PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-020		PDI-ONSO-020	
			Sample ID	PDI-ONSO-019-13-15		PDI-ONSO-019-21-21.6		PDI-ONSO-019-5-7		PDI-ONSO-019-7-9		PDI-ONSO-020-12-13		PDI-ONSO-020-13-15	
			Start Depth	13		21		5		7		12		13	
			End Depth	15		21.6		7		9		13		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	9/27/2023		9/27/2023		9/27/2023		9/27/2023		9/28/2023		9/28/2023	
			SDG	4802131461		4802131461		4802131461		4802131461		4802132331		4802132331	
			Lab Sample ID	480-213146-3		480-213146-4		480-213146-1		480-213146-2		480-213233-1		480-213233-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.086	J	0.25	U	0.56		0.17	J	0.22	U	0.23	U
SW6010C	7440-70-2	Calcium	mg/kg	328000	J	148000		85100		226000		80700		91800	
SW6010C	7440-47-3	Chromium, Total	mg/kg	7.7	J	14.1		22.4		5.3		11.4		8.8	
SW6010C	7440-48-4	Cobalt	mg/kg	3.5	J	9.7		5.5		2.3		5.9		6	
SW6010C	7440-50-8	Copper	mg/kg	23.9	J	25.2		28.9		16.4		8.6		11.5	
SW6010C	7439-89-6	Iron	mg/kg	12500	J	12300		24300		15400		15300	J+	12400	J+
SW6010C	7439-92-1	Lead	mg/kg	163	J	15.1		1020		129		14.2		11.5	
SW6010C	7439-95-4	Magnesium	mg/kg	20800	J	9680		17700		58700		26500		20800	
SW6010C	7439-96-5	Manganese	mg/kg	599	J	349		465		427		556		548	
SW6010C	7440-02-0	Nickel	mg/kg	10.5	J	16.7		15.4		6.7	J	14.1		13.2	
SW6010C	7440-09-7	Potassium	mg/kg	478	J	5690		1020		679		3590		3360	
SW6010C	7782-49-2	Selenium	mg/kg	3	J	4.9	U	2.3	J	2.8	J	4.5	U	4.5	U
SW6010C	7440-22-4	Silver	mg/kg	1.4	UJ	0.74	U	0.83	U	0.99	U	0.67	U	0.68	U
SW6010C	7440-23-5	Sodium	mg/kg	765	J	326		535		432		344		342	
SW6010C	7440-28-0	Thallium	mg/kg	0.8	J	0.39	J	0.81	J	0.6	J	6.7	U	6.8	U
SW6010C	7440-62-2	Vanadium	mg/kg	14.1	J	15.7		32.1		10.1		14.1		12.9	
SW6010C	7440-66-6	Zinc	mg/kg	112	J	18.8		139		174		41.8		46.2	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	4.5	UJ	2.4	U	2.9	U	3.2	U	2.3	U	2.2	U
SW7471B	7439-97-6	Mercury	mg/kg	0.1	J	0.01	J	4.8		0.18		0.0074	J	0.0056	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	591-78-6	2-Hexanone	ug/kg	6700	U	6200	U	19000	U	410	U	22	U	400	U
SW8260C	67-64-1	Acetone	ug/kg	6700	U	6200	U	19000	U	410	U	15	J	400	U
SW8260C	71-43-2	Benzene	ug/kg	5100		1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	75-25-2	Bromoform	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	74-83-9	Bromomethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	75-00-3	Chloroethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	67-66-3	Chloroform	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	74-87-3	Chloromethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U

		Location ID	PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-020		PDI-ONSO-020	
		Sample ID	PDI-ONSO-019-13-15		PDI-ONSO-019-21-21.6		PDI-ONSO-019-5-7		PDI-ONSO-019-7-9		PDI-ONSO-020-12-13		PDI-ONSO-020-13-15	
		Start Depth	13		21		5		7		12		13	
		End Depth	15		21.6		7		9		13		15	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	9/27/2023		9/27/2023		9/27/2023		9/27/2023		9/28/2023		9/28/2023	
		SDG	4802131461		4802131461		4802131461		4802131461		4802132331		4802132331	
		Lab Sample ID	480-213146-3		480-213146-4		480-213146-1		480-213146-2		480-213233-1		480-213233-2	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	110-82-7	Cyclohexane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	19000		2800		3900	U	81	U	4.5	U	79	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	4000		830	J	3900	U	81	U	4.5	U	79	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	6700	U	6200	U	19000	U	410	U	22	U	400	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	6700	U	6200	U	19000	U	410	U	22	U	400	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	6700	U	6200	U	19000	U	410	U	22	U	400	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	100-42-5	Styrene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	108-88-3	Toluene	ug/kg	1300	U	1200	U	3900	U	81	U	0.34	J	79	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	U	79	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	1300	U	1200	U	3900	U	81	U	4.5	UJ	79	U
SW8260C	1330-20-7	Xylenes	ug/kg	3300		2500	U	6700	J	160	U	9	U	160	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	23000	U	1200	UJ	14000	U	16000	U	120	U	110	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	380000	UJ	20000	UJ	240000	UJ	270000	UJ	1900	U	1800	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	39000	U	12000		91000		28000	U	200	U	190	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	83-32-9	Acenaphthene	ug/kg	55000		14000		15000	J	28000	U	200	U	700	

			Location ID	PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-019		PDI-ONSO-020		PDI-ONSO-020	
			Sample ID	PDI-ONSO-019-13-15		PDI-ONSO-019-21-21.6		PDI-ONSO-019-5-7		PDI-ONSO-019-7-9		PDI-ONSO-020-12-13		PDI-ONSO-020-13-15	
			Start Depth	13		21		5		7		12		13	
			End Depth	15		21.6		7		9		13		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	9/27/2023		9/27/2023		9/27/2023		9/27/2023		9/28/2023		9/28/2023	
			SDG	4802131461		4802131461		4802131461		4802131461		4802132331		4802132331	
			Lab Sample ID	480-213146-3		480-213146-4		480-213146-1		480-213146-2		480-213233-1		480-213233-2	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	83000		3100		32000		21000	J	200	U	110	J
SW8270D	98-86-2	Acetophenone	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	120-12-7	Anthracene	ug/kg	28000	J	8000		85000		28000	U	200	U	190	U
SW8270D	1912-24-9	Atrazine	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	8800	J	4300	J	99000		3200	J	200	U	180	J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	41000		3800		100000		14000	J	200	U	190	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	29000	J	2600		110000		11000	J	200	U	190	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	27000	J	1800	J	52000		11000	J	46	J	78	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	13000	J	1500	J	44000		4900	J	200	U	190	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	39000	U	2100		18000	J	28000	U	200	U	190	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	105-60-2	Caprolactam	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	86-74-8	Carbazole	ug/kg	8900	J	420	J	23000	J	28000	U	200	U	190	U
SW8270D	218-01-9	Chrysene	ug/kg	8700	J	4300	J	93000		28000	U	200	U	170	J
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	8500	J	570	J	15000	J	28000	U	200	U	190	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	12000	J	1800	J	55000		28000	U	200	U	33	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	206-44-0	Fluoranthene	ug/kg	21000	J	8900		240000		3600	J	21	J	300	
SW8270D	86-73-7	Fluorene	ug/kg	44000		9800		63000		28000	U	200	U	30	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	25000	J	1600	J	55000		9700	J	28	J	58	J
SW8270D	78-59-1	Isophorone	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	91-20-3	Naphthalene	ug/kg	18000	J	21000		190000		28000	U	200	U	24	J
SW8270D	98-95-3	Nitrobenzene	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	75000	U	3900	U	47000	U	54000	U	380	U	370	U
SW8270D	85-01-8	Phenanthrene	ug/kg	12000	J	26000		260000		28000	U	200	U	190	U
SW8270D	108-95-2	Phenol	ug/kg	39000	U	2000	U	24000	U	28000	U	200	U	190	U
SW8270D	129-00-0	Pyrene	ug/kg	25000	J	11000		170000		5400	J	57	J	500	
SW9012	57-12-5	Cyanide	mg/kg	268	J	1.2		2.8	J	10.5	J	1.1	U	0.62	J

		Location ID	PDI-ONSO-020		PDI-ONSO-021		PDI-ONSO-021		PDI-ONSO-022		PDI-ONSO-022		PDI-ONSO-023	
		Sample ID	PDI-ONSO-020-19-21		PDI-ONSO-021-23-25		PDI-ONSO-021-4-5		PDI-ONSO-022-19-20		PDI-ONSO-022-20-21		PDI-ONSO-023-14-15	
		Start Depth	19		23		4		19		20		14	
		End Depth	21		25		5		20		21		15	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	9/28/2023		10/4/2023		10/4/2023		9/28/2023		9/29/2023		10/2/2023	
		SDG	4802132331		4802134371		4802134371		4802132331		4802132331		4802133211	
		Lab Sample ID	480-213233-3		480-213437-2		480-213437-1		480-213233-4		480-213233-6		480-213321-1	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.94	U	0.95	U	0.8	U	0.87	U	0.87	U	0.95	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.4	U	2	U	2.2	U	2.2	U	2.4	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.4	U	2.4	U	2	U	2.2	U	2.2	U	2.4	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.9	U	5.9	U	5	U	5.5	U	5.4	U	5.9	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.9	U	5.9	U	5	U	5.5	U	5.4	U	5.9	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.2	U	1.2	U	1	U	1.1	U	1.1	U	1.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.94	U	0.95	U	0.8	U	0.87	U	0.87	U	0.95	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.94	U	0.95	U	0.8	U	0.87	U	0.87	U	0.95	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.24	U	0.24	U	0.2	U	0.11	J	0.22	U	0.24	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.47	U	0.47	U	0.4	U	0.44	U	0.43	U	0.48	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.47	U	0.47	U	0.4	U	0.44	U	0.43	U	0.48	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.94	U	0.95	U	0.8	U	0.87	U	0.87	U	0.95	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.47	U	0.47	U	0.4	U	0.44	U	0.43	U	0.48	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.47	U	0.47	U	0.4	U	0.44	U	0.43	U	0.48	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.23	J	0.16	J	0.8	U	0.11	J	0.53	J	0.95	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.24	U	0.24	U	0.026	J	0.024	J	0.22	U	0.24	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.24	U	0.24	U	0.052	J	0.22	U	0.22	U	0.24	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.24	U	0.2	J	0.57		0.36		0.92		0.24	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.24	U	0.054	J	0.077	J	0.077	J	0.36	J	0.24	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.47	U	0.47	U	0.037	JN	0.05	J	0.07	J	0.48	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.24	U	0.24	U	0.2	U	0.22	U	0.22	U	0.24	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.24	U	0.24	U	0.03	J	0.22	U	0.22	U	0.24	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.94	U	0.95	U	0.8	U	0.87	U	0.87	U	0.95	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.94	U	0.95	U	0.8	U	0.87	U	0.87	U	0.95	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.94	U	0.95	U	0.8	U	0.87	U	0.87	U	0.95	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	6.8		34		22.4		14.7		13.7		51.8	
SW6010C	7429-90-5	Aluminum	mg/kg	5470		11800		8390		13700		7430		13800	
SW6010C	7440-36-0	Antimony	mg/kg	17.1	U	1.3	J	15.9	U	16.7	U	15.8	U	17.1	U
SW6010C	7440-38-2	Arsenic	mg/kg	5.7		44.9		7		5.1		11.8		9.6	
SW6010C	7440-39-3	Barium	mg/kg	32.7		114		63.8		109		100		81.5	
SW6010C	7440-41-7	Beryllium	mg/kg	0.39		0.52		0.46		0.52		0.53		0.62	

		Location ID	PDI-ONSO-020		PDI-ONSO-021		PDI-ONSO-021		PDI-ONSO-022		PDI-ONSO-022		PDI-ONSO-023	
		Sample ID	PDI-ONSO-020-19-21		PDI-ONSO-021-23-25		PDI-ONSO-021-4-5		PDI-ONSO-022-19-20		PDI-ONSO-022-20-21		PDI-ONSO-023-14-15	
		Start Depth	19		23		4		19		20		14	
		End Depth	21		25		5		20		21		15	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	9/28/2023		10/4/2023		10/4/2023		9/28/2023		9/29/2023		10/2/2023	
		SDG	4802132331		4802134371		4802134371		4802132331		4802132331		4802133211	
		Lab Sample ID	480-213233-3		480-213437-2		480-213437-1		480-213233-4		480-213233-6		480-213321-1	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW6010C	7440-43-9	Cadmium	mg/kg	0.23	U	0.74		0.29		0.16	J	0.9		0.063	J
SW6010C	7440-70-2	Calcium	mg/kg	98000		38200		58300		14400		16200		63300	
SW6010C	7440-47-3	Chromium, Total	mg/kg	6.8		34		22.4		14.7		13.7		52.9	
SW6010C	7440-48-4	Cobalt	mg/kg	4.2		6.1		6.1		6.2		5		7.2	
SW6010C	7440-50-8	Copper	mg/kg	11.7		48.6		25.8		14.1		39		15.9	
SW6010C	7439-89-6	Iron	mg/kg	10700	J+	37600		16400		17400	J+	21100	J+	17000	
SW6010C	7439-92-1	Lead	mg/kg	19		439		190		42.1		290		21.8	
SW6010C	7439-95-4	Magnesium	mg/kg	20600		11900		21600		4860		7010		27700	
SW6010C	7439-96-5	Manganese	mg/kg	484		382		556		529		200		701	
SW6010C	7440-02-0	Nickel	mg/kg	10.1		23.4		15.6		14		15.1		18.1	
SW6010C	7440-09-7	Potassium	mg/kg	3210		2210		2780		1720		2430		4400	
SW6010C	7782-49-2	Selenium	mg/kg	4.6	U	0.61	J	4.2	U	4.5	U	4.2	U	4.6	U
SW6010C	7440-22-4	Silver	mg/kg	0.68	U	0.56	J	0.64	U	0.67	U	0.54	J	0.68	U
SW6010C	7440-23-5	Sodium	mg/kg	793		1340		431		368		281		258	
SW6010C	7440-28-0	Thallium	mg/kg	6.8	U	7.6	U	6.4	U	6.7	U	6.3	U	6.8	U
SW6010C	7440-62-2	Vanadium	mg/kg	7.9		26.1		17.2		24.3		15		23	
SW6010C	7440-66-6	Zinc	mg/kg	26.4		182		108		55.1		219		49.8	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.4	U	2.4	U	2.1	U	2.2	U	2.1	U	1.1	J
SW7471B	7439-97-6	Mercury	mg/kg	0.023	U	1.3		0.061		0.33		0.85		0.0064	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	UJ
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	UJ
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	540	U	4.5	UJ	4.6	UJ	160	U	230	U	4.2	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	591-78-6	2-Hexanone	ug/kg	2700	U	23	U	23	U	820	U	1100	U	21	U
SW8260C	67-64-1	Acetone	ug/kg	2700	U	76		23	U	820	U	1100	U	47	
SW8260C	71-43-2	Benzene	ug/kg	540	U	0.85	J	4.6	U	160	U	230	U	4.2	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	75-25-2	Bromoform	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	74-83-9	Bromomethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	UJ
SW8260C	108-90-7	Chlorobenzene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	75-00-3	Chloroethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	67-66-3	Chloroform	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	74-87-3	Chloromethane	ug/kg	540	U	4.5	UJ	4.6	UJ	160	U	230	U	4.2	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U

			Location ID	PDI-ONSO-020		PDI-ONSO-021		PDI-ONSO-021		PDI-ONSO-022		PDI-ONSO-022		PDI-ONSO-023	
			Sample ID	PDI-ONSO-020-19-21		PDI-ONSO-021-23-25		PDI-ONSO-021-4-5		PDI-ONSO-022-19-20		PDI-ONSO-022-20-21		PDI-ONSO-023-14-15	
			Start Depth	19		23		4		19		20		14	
			End Depth	21		25		5		20		21		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	9/28/2023		10/4/2023		10/4/2023		9/28/2023		9/29/2023		10/2/2023	
			SDG	4802132331		4802134371		4802134371		4802132331		4802132331		4802133211	
			Lab Sample ID	480-213233-3		480-213437-2		480-213437-1		480-213233-4		480-213233-6		480-213321-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	110-82-7	Cyclohexane	ug/kg	540	U	1	J	4.6	U	160	U	230	U	4.2	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	650		4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	490	J	4.5	UJ	4.6	UJ	160	U	230	U	4.2	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	2700	U	23	U	23	U	820	U	1100	U	21	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	2700	U	9.5	J	23	U	820	U	1100	U	5.6	J
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	2700	U	23	U	23	U	820	U	1100	U	21	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	540	U	0.9	J	4.6	U	160	U	140	J	4.2	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	100-42-5	Styrene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	108-88-3	Toluene	ug/kg	540	U	0.77	J	4.6	U	160	U	220	J	0.54	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	540	U	4.5	U	4.6	U	160	U	230	U	4.2	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	540	U	4.5	UJ	4.6	UJ	160	U	230	U	4.2	UJ
SW8260C	75-01-4	Vinyl Chloride	ug/kg	540	U	4.5	UJ	4.6	UJ	160	U	230	U	4.2	U
SW8260C	1330-20-7	Xylenes	ug/kg	1100	U	9.1	U	9.2	U	330	U	280	J	8.4	U
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	590	U	1200	U	1000	U	1100	U	11000	U	120	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	9700	U	20000	UJ	17000	UJ	18000	U	180000	U	1900	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	6200		2000	U	1800	U	1800	U	36000		200	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	UJ
SW8270D	83-32-9	Acenaphthene	ug/kg	8100		2000	U	1800	U	1800	U	11000	J	200	U

			Location ID	PDI-ONSO-020		PDI-ONSO-021		PDI-ONSO-021		PDI-ONSO-022		PDI-ONSO-022		PDI-ONSO-023	
			Sample ID	PDI-ONSO-020-19-21		PDI-ONSO-021-23-25		PDI-ONSO-021-4-5		PDI-ONSO-022-19-20		PDI-ONSO-022-20-21		PDI-ONSO-023-14-15	
			Start Depth	19		23		4		19		20		14	
			End Depth	21		25		5		20		21		15	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	9/28/2023		10/4/2023		10/4/2023		9/28/2023		9/29/2023		10/2/2023	
			SDG	4802132331		4802134371		4802134371		4802132331		4802132331		4802133211	
			Lab Sample ID	480-213233-3		480-213437-2		480-213437-1		480-213233-4		480-213233-6		480-213321-1	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	4400		2000	U	1800	U	1400	J	47000		200	U
SW8270D	98-86-2	Acetophenone	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	120-12-7	Anthracene	ug/kg	6200		2000	U	1800	U	2000		71000		200	U
SW8270D	1912-24-9	Atrazine	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	7100		620	J	610	J	5300		150000		20	J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	6400		710	J	730	J	5100		170000		200	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	4100		650	J	850	J	6100		180000		200	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	2200		520	J	520	J	2400		70000		200	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	1900		260	J	350	J	2400		67000		200	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	3800		2000	U	1800	U	1800	U	8800	J	200	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	1000	U	2000	UJ	1800	UJ	1800	U	18000	U	200	UJ
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	105-60-2	Caprolactam	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	86-74-8	Carbazole	ug/kg	220	J	2000	U	1800	U	340	J	17000	J	200	U
SW8270D	218-01-9	Chrysene	ug/kg	6200		560	J	610	J	5400		140000		200	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	660	J	2000	U	1800	U	770	J	17000	J	200	U
SW8270D	132-64-9	Dibenzofuran	ug/kg	1300		2000	U	1800	U	310	J	37000		200	U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	206-44-0	Fluoranthene	ug/kg	16000		1200	J	1200	J	16000		370000		82	J
SW8270D	86-73-7	Fluorene	ug/kg	9200		2000	U	1800	U	830	J	46000		200	U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	UJ
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	1800		410	J	490	J	2500		72000		200	U
SW8270D	78-59-1	Isophorone	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	91-20-3	Naphthalene	ug/kg	13000		2000	U	1800	U	300	J	100000		200	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	1900	U	3900	U	3400	U	3600	U	35000	U	390	U
SW8270D	85-01-8	Phenanthrene	ug/kg	34000		1000	J	550	J	7600		210000		200	U
SW8270D	108-95-2	Phenol	ug/kg	1000	U	2000	U	1800	U	1800	U	18000	U	200	U
SW8270D	129-00-0	Pyrene	ug/kg	18000		1400	J	890	J	9100		260000		220	
SW9012	57-12-5	Cyanide	mg/kg	1.1	U	1.2		1	U	0.94	U	1	U	1.1	U

			Location ID	PDI-ONSO-023		PDI-ONSO-023		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-025	
			Sample ID	PDI-ONSO-023-17-18		PDI-ONSO-023-23-24		PDI-ONSO-024-17-19		PDI-ONSO-024-5-7		PDI-ONSO-024-7-9		PDI-ONSO-025-11-13	
			Start Depth	17		23		17		5		7		11	
			End Depth	18		24		19		7		9		13	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/2/2023		10/2/2023		10/12/2023		10/12/2023		10/12/2023		10/5/2023	
			SDG	4802133211		4802133211		4802136831		4802136831		4802136831		4802134461	
			Lab Sample ID	480-213321-2		480-213321-3		480-213683-4		480-213683-2		480-213683-3		480-213446-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.83	U	0.94	U	0.95	U	0.86	U	0.82	U	0.82	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.1	U	2.4	U	2.4	U	2.1	U	2.1	U	2	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.1	U	2.4	U	2.4	U	2.1	U	2.1	U	2	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.2	U	5.9	U	5.9	U	5.4	U	5.2	U	5.1	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.2	U	5.9	U	5.9	U	5.4	U	5.2	U	5.1	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1	U	1.2	U	1.2	U	1.1	U	1	U	1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.83	U	0.94	U	0.95	U	0.86	U	0.82	U	0.82	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.83	U	0.94	U	0.95	U	0.86	U	0.82	U	0.82	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.21	U	0.24	U	0.24	U	0.091	J	0.21	U	0.2	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.42	U	0.47	U	0.47	U	0.43	U	0.41	U	0.41	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.42	U	0.47	U	0.47	U	0.43	U	0.41	U	0.41	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.83	U	0.94	U	0.95	U	0.86	U	0.82	U	0.82	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.42	U	0.47	U	0.47	U	0.43	U	0.41	U	0.41	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.42	U	0.47	U	0.47	U	0.43	U	0.41	U	0.41	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.21	U	0.24	U	0.23	JN	0.21	U	0.21	U	0.2	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.83	U	0.13	J	0.91	J	0.86	U	0.82	U	0.9	
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.21	U	0.24	U	0.43	J	0.21	U	0.21	U	0.13	JN
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.21	U	0.24	U	0.96	J	0.21	U	0.21	U	0.2	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.21	U	0.24	U	0.75	J	0.21	U	0.21	U	0.2	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.21	U	0.24	U	0.66	J	0.21	U	0.21	U	0.022	JN
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.21	U	0.24	U	0.092	JN	0.21	U	0.21	U	0.2	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.21	U	0.24	U	0.48	J	0.21	U	0.21	U	0.2	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.21	U	0.24	U	0.76	J	0.21	U	0.21	U	0.051	JN
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.21	U	0.24	U	0.5	J	0.21	U	0.21	U	0.11	JN
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.42	U	0.47	U	0.17	J	0.43	U	0.41	U	0.066	JN
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.21	U	0.24	U	0.24	U	0.21	U	0.21	U	0.2	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.83	U	0.94	U	0.95	U	0.86	U	0.82	U	0.82	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.83	U	0.94	U	0.95	U	0.86	U	0.82	U	0.82	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.83	U	0.94	U	0.95	U	0.86	U	0.82	U	0.82	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	10.7		8.7		16.1		10.1		9.2		9.5	
SW6010C	7429-90-5	Aluminum	mg/kg	8300		8230		11600		7640		7360		9160	
SW6010C	7440-36-0	Antimony	mg/kg	16.8	U	17.1	U	18.1	U	16.7	U	15.5	U	16.7	U
SW6010C	7440-38-2	Arsenic	mg/kg	5.2		5.3		17.2		4.4		3.9		6.3	
SW6010C	7440-39-3	Barium	mg/kg	48.5		37.5		98.9		58.3		43.9		42	
SW6010C	7440-41-7	Beryllium	mg/kg	0.4		0.39		0.62		0.36		0.34		0.49	

			Location ID	PDI-ONSO-023		PDI-ONSO-023		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-025	
			Sample ID	PDI-ONSO-023-17-18		PDI-ONSO-023-23-24		PDI-ONSO-024-17-19		PDI-ONSO-024-5-7		PDI-ONSO-024-7-9		PDI-ONSO-025-11-13	
			Start Depth	17		23		17		5		7		11	
			End Depth	18		24		19		7		9		13	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/2/2023		10/2/2023		10/12/2023		10/12/2023		10/12/2023		10/5/2023	
			SDG	4802133211		4802133211		4802136831		4802136831		4802136831		4802134461	
			Lab Sample ID	480-213321-2		480-213321-3		480-213683-4		480-213683-2		480-213683-3		480-213446-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.059	J	0.23	U	0.15	J	0.14	J	0.08	J	0.1	J
SW6010C	7440-70-2	Calcium	mg/kg	108000		170000		87100		59200		38800		84800	
SW6010C	7440-47-3	Chromium, Total	mg/kg	10.7		8.7		16.1		10.1		9.2		9.5	
SW6010C	7440-48-4	Cobalt	mg/kg	5.2		3.7		4.6		4.7		3.7		3.3	
SW6010C	7440-50-8	Copper	mg/kg	9.3		9.3		22.1		22.3		20.8		12.6	
SW6010C	7439-89-6	Iron	mg/kg	11300		10600		14100		10900		11100		11200	
SW6010C	7439-92-1	Lead	mg/kg	14.9		14.6		126		42.5		27.3		13.4	
SW6010C	7439-95-4	Magnesium	mg/kg	44100		40500		15600		21900		11800		24400	
SW6010C	7439-96-5	Manganese	mg/kg	462		730		339		336		324		622	
SW6010C	7440-02-0	Nickel	mg/kg	12.1		9.6		11.9		9.7		8.3		10	
SW6010C	7440-09-7	Potassium	mg/kg	3350		4240		1870		2460		2200		3870	
SW6010C	7782-49-2	Selenium	mg/kg	4.5	U	4.6	U	4.8	U	4.5	U	4.1	U	0.62	J
SW6010C	7440-22-4	Silver	mg/kg	0.67	U	0.69	U	0.73	U	0.67	U	0.62	U	0.67	U
SW6010C	7440-23-5	Sodium	mg/kg	261		370		528		445		483		185	
SW6010C	7440-28-0	Thallium	mg/kg	6.7	U	6.9	U	7.3	U	6.7	U	6.2	U	6.7	U
SW6010C	7440-62-2	Vanadium	mg/kg	13.7		11.3		26		17		15.2		13.8	
SW6010C	7440-66-6	Zinc	mg/kg	47.9		18.1		74.4		48.9		38		50.3	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.2	U	2.3	U	2.4	U	2.1	U	2.1	U	2.1	U
SW7471B	7439-97-6	Mercury	mg/kg	0.0085	J	0.0071	J	0.84		0.097		0.05		0.19	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	3.2	UJ	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	3.2	UJ	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	591-78-6	2-Hexanone	ug/kg	16	U	10000	U	28000	U	720	U	350	U	8700	U
SW8260C	67-64-1	Acetone	ug/kg	16		10000	U	28000	U	720	U	350	U	8700	U
SW8260C	71-43-2	Benzene	ug/kg	0.39	J	2100	U	86000		140	U	71	U	6600	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	75-25-2	Bromoform	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	74-83-9	Bromomethane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	2.9	J	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	3.2	UJ	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	75-00-3	Chloroethane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	67-66-3	Chloroform	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	74-87-3	Chloromethane	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	3.2	U	2100	U	5600	U	140	U	71	U	1700	U

		Location ID	PDI-ONSO-023		PDI-ONSO-023		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-025	
		Sample ID	PDI-ONSO-023-17-18		PDI-ONSO-023-23-24		PDI-ONSO-024-17-19		PDI-ONSO-024-5-7		PDI-ONSO-024-7-9		PDI-ONSO-025-11-13	
		Start Depth	17		23		17		5		7		11	
		End Depth	18		24		19		7		9		13	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/2/2023		10/2/2023		10/12/2023		10/12/2023		10/12/2023		10/5/2023	
		SDG	4802133211		4802133211		4802136831		4802136831		4802136831		4802134461	
		Lab Sample ID	480-213321-2		480-213321-3		480-213683-4		480-213683-2		480-213683-3		480-213446-3	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	110-82-7	Cyclohexane	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	124-48-1	Dibromochloromethane	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	100-41-4	Ethylbenzene	ug/kg	0.23 J	2600		270000		140 U		71 U		13000	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	2.6 J	1800 J		8700 J		140 UJ		71 UJ		4500 J	
SW8260C	79-20-9	Methyl Acetate	ug/kg	5.6 J	10000 U		28000 U		720 U		350 U		8700 U	
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	16 U	10000 U		28000 U		720 U		350 U		8700 U	
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	16 U	10000 U		28000 U		720 U		350 U		8700 U	
SW8260C	108-87-2	Methylcyclohexane	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		2000	
SW8260C	75-09-2	Methylene Chloride	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	100-42-5	Styrene	ug/kg	0.28 J	2100 U		5600 U		140 U		71 U		1000 J	
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	108-88-3	Toluene	ug/kg	0.83 J	2100 U		250000		140 U		45 J		940 J	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	3.2 UJ	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	75-01-4	Vinyl Chloride	ug/kg	3.2 U	2100 U		5600 U		140 U		71 U		1700 U	
SW8260C	1330-20-7	Xylenes	ug/kg	0.55 J	4100 U		350000		290 U		140 U		110000	
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	540 U	5800 U		12000 U		1100 U		1100 U		1000 U	
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		840 J	
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	8900 U	96000 U		190000 UJ		18000 UJ		18000 UJ		17000 UJ	
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	95-57-8	2-Chlorophenol	ug/kg	1800 U	19000 U		39000 U		3600 U		3500 U		3400 U	
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	910 U	54000		1600000		380 J		1800 U		48000	
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	88-74-4	2-Nitroaniline	ug/kg	1800 U	19000 U		39000 U		3600 U		3500 U		3400 U	
SW8270D	88-75-5	2-Nitrophenol	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	1800 U	19000 U		39000 U		3600 U		3500 U		3400 U	
SW8270D	99-09-2	3-Nitroaniline	ug/kg	1800 U	19000 U		39000 U		3600 U		3500 U		3400 U	
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	1800 U	19000 U		39000 U		3600 U		3500 U		3400 U	
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	106-47-8	4-Chloroaniline	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	910 U	9800 U		20000 U		1800 U		1800 U		1800 U	
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	1800 U	19000 U		39000 U		3600 U		3500 U		3400 U	
SW8270D	100-01-6	4-Nitroaniline	ug/kg	1800 U	19000 U		39000 U		3600 U		3500 U		3400 U	
SW8270D	100-02-7	4-Nitrophenol	ug/kg	1800 UJ	19000 UJ		39000 U		3600 U		3500 U		3400 U	
SW8270D	83-32-9	Acenaphthene	ug/kg	790 J	42000		290000		1800 U		1800 U		12000	

			Location ID	PDI-ONSO-023		PDI-ONSO-023		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-024		PDI-ONSO-025	
			Sample ID	PDI-ONSO-023-17-18		PDI-ONSO-023-23-24		PDI-ONSO-024-17-19		PDI-ONSO-024-5-7		PDI-ONSO-024-7-9		PDI-ONSO-025-11-13	
			Start Depth	17		23		17		5		7		11	
			End Depth	18		24		19		7		9		13	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/2/2023		10/2/2023		10/12/2023		10/12/2023		10/12/2023		10/5/2023	
			SDG	4802133211		4802133211		4802136831		4802136831		4802136831		4802134461	
			Lab Sample ID	480-213321-2		480-213321-3		480-213683-4		480-213683-2		480-213683-3		480-213446-3	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	500	J	4200	J	360000		290	J	1800	U	6000	
SW8270D	98-86-2	Acetophenone	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	120-12-7	Anthracene	ug/kg	630	J	19000		250000		470	J	1800	U	24000	
SW8270D	1912-24-9	Atrazine	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	750	J	11000		140000		1900		920	J	19000	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	590	J	9100	J	120000		2200		990	J	15000	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	390	J	6100	J	84000		2200		1000	J	17000	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	330	J	3800	J	34000		940	J	380	J	3900	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	180	J	3100	J	31000		1200	J	520	J	8400	
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	910	U	8700	J	140000		1800	U	1800	U	7600	
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	910	UJ	9800	UJ	20000	UJ	1800	UJ	1800	UJ	1800	UJ
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	105-60-2	Caprolactam	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	86-74-8	Carbazole	ug/kg	910	U	9800	U	5000	J	1800	U	1800	U	6700	
SW8270D	218-01-9	Chrysene	ug/kg	760	J	10000		120000		1800		860	J	15000	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	910	U	9800	U	11000	J	320	J	1800	U	1500	J
SW8270D	132-64-9	Dibenzofuran	ug/kg	110	J	4200	J	60000		1800	U	1800	U	18000	
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	206-44-0	Fluoranthene	ug/kg	1200		25000		310000		3500		2100		55000	
SW8270D	86-73-7	Fluorene	ug/kg	380	J	24000		340000		240	J	1800	U	23000	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	910	U	9800	UJ	20000	U	1800	U	1800	U	1800	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	910	UJ	9800	UJ	20000	U	1800	U	1800	U	1800	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	910	UJ	9800	UJ	20000	U	1800	U	1800	U	1800	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	200	J	2800	J	29000		950	J	380	J	4800	
SW8270D	78-59-1	Isophorone	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	91-20-3	Naphthalene	ug/kg	910	U	61000		2400000		620	J	600	J	190000	
SW8270D	98-95-3	Nitrobenzene	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	1800	U	19000	U	39000	U	3600	U	3500	U	3400	U
SW8270D	85-01-8	Phenanthrene	ug/kg	550	J	80000		1000000		1700	J	1100	J	82000	
SW8270D	108-95-2	Phenol	ug/kg	910	U	9800	U	20000	U	1800	U	1800	U	1800	U
SW8270D	129-00-0	Pyrene	ug/kg	2000		32000		420000		2700		1400	J	35000	
SW9012	57-12-5	Cyanide	mg/kg	0.92	U	1.2	UJ	18		0.99	U	0.98	U	0.68	J

		Location ID	PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-026		PDI-ONSO-026		PDI-ONSO-026	
		Sample ID	PDI-ONSO-025-14-14.5		PDI-ONSO-025-17-19		PDI-ONSO-025-8-9.5		PDI-ONSO-026-16.5-17		PDI-ONSO-026-17-18.5		PDI-ONSO-026-4-5	
		Start Depth	14		17		8		16.5		17		4	
		End Depth	14.5		19		9.5		17		18.5		5	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/5/2023		10/5/2023		10/5/2023		10/4/2023		10/4/2023		10/4/2023	
		SDG	4802134461		4802134461		4802134461		4802134371		4802134371		4802134371	
		Lab Sample ID	480-213446-4		480-213446-5		480-213446-2		480-213437-6		480-213437-7		480-213437-4	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.85	U	0.92	U	0.86	U	0.91	U	0.96	U	0.8	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.1	U	2.3	U	2.1	U	2.3	U	2.4	U	2	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.1	U	2.3	U	2.1	U	2.3	U	2.4	U	2	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.3	U	5.8	U	5.4	U	5.7	U	6	U	5	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.3	U	5.8	U	5.4	U	5.7	U	6	U	5	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.85	U	0.92	U	0.86	U	0.91	U	0.96	U	0.8	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.85	U	0.92	U	0.86	U	0.91	U	0.96	U	0.8	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.43	U	0.46	U	0.43	U	0.45	U	0.48	U	0.4	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.43	U	0.46	U	0.43	U	0.45	U	0.48	U	0.4	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.85	U	0.92	U	0.86	U	0.91	U	0.96	U	0.8	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.43	U	0.46	U	0.43	U	0.45	U	0.48	U	0.4	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.43	U	0.46	U	0.43	U	0.45	U	0.48	U	0.4	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	1.1		0.045	J	0.43	J	0.91	U	0.96	U	0.16	J
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.04	JN	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.048	J
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.21	U	0.037	JN	0.21	U	0.23	U	0.24	U	0.2	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.027	J
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.21	U	0.23	U	0.19	JN	0.23	U	0.24	U	0.36	
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.046	JN	0.23	U	0.21	J	0.23	U	0.24	U	0.11	J
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.22	JN	0.46	U	0.025	J	0.45	U	0.48	U	0.042	JN
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.21	U	0.23	U	0.21	U	0.23	U	0.24	U	0.2	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.85	U	0.92	U	0.86	U	0.91	U	0.96	U	0.8	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.85	U	0.92	U	0.86	U	0.91	U	0.96	U	0.8	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.85	U	0.92	U	0.86	U	0.91	U	0.96	U	0.8	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	9.8		7.7		34.4		9.7		11.1		10.6	
SW6010C	7429-90-5	Aluminum	mg/kg	7750		7410		11500		10100		11300		7040	
SW6010C	7440-36-0	Antimony	mg/kg	16.1	U	17.3	U	0.57	J	18.6	U	17.1	U	15	U
SW6010C	7440-38-2	Arsenic	mg/kg	6.6		4.5		12.6		6.5		10.9		6.5	
SW6010C	7440-39-3	Barium	mg/kg	48.2		43		256		30.4		30.5		131	
SW6010C	7440-41-7	Beryllium	mg/kg	0.41		0.36		0.5		0.54		0.56		0.33	

		Location ID	PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-026		PDI-ONSO-026		PDI-ONSO-026	
		Sample ID	PDI-ONSO-025-14-14.5		PDI-ONSO-025-17-19		PDI-ONSO-025-8-9.5		PDI-ONSO-026-16.5-17		PDI-ONSO-026-17-18.5		PDI-ONSO-026-4-5	
		Start Depth	14		17		8		16.5		17		4	
		End Depth	14.5		19		9.5		17		18.5		5	
		Depth Unit	ft		ft		ft		ft		ft		ft	
		Sample Date	10/5/2023		10/5/2023		10/5/2023		10/4/2023		10/4/2023		10/4/2023	
		SDG	4802134461		4802134461		4802134461		4802134371		4802134371		4802134371	
		Lab Sample ID	480-213446-4		480-213446-5		480-213446-2		480-213437-6		480-213437-7		480-213437-4	
		Matrix	SO		SO		SO		SO		SO		SO	
		Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit											
SW6010C	7440-43-9	Cadmium	mg/kg	0.078	J	0.1	J	0.33		0.042	J	0.23	U	0.56	
SW6010C	7440-70-2	Calcium	mg/kg	80800		47200		73800		198000		151000		78000	
SW6010C	7440-47-3	Chromium, Total	mg/kg	9.8		7.7		34.4		9.7		11.1		10.6	
SW6010C	7440-48-4	Cobalt	mg/kg	4.3		5.1		5.1		4.2		6.5		4.4	
SW6010C	7440-50-8	Copper	mg/kg	13		11.5		49.4		11.3		29.7		22.8	
SW6010C	7439-89-6	Iron	mg/kg	12300		11700		23800		10900		15600		11700	
SW6010C	7439-92-1	Lead	mg/kg	16.8		10.5		130		17.3		23.2		185	
SW6010C	7439-95-4	Magnesium	mg/kg	30300		35600		17500		22200		20400		11500	
SW6010C	7439-96-5	Manganese	mg/kg	563		543		398		468		369		348	
SW6010C	7440-02-0	Nickel	mg/kg	11.1		10.2		17.5		10.4		16.2		11.5	
SW6010C	7440-09-7	Potassium	mg/kg	3130		3270		2790		5390		5900		1840	
SW6010C	7782-49-2	Selenium	mg/kg	4.3	U	4.6	U	4.3	U	5	U	4.6	U	4	U
SW6010C	7440-22-4	Silver	mg/kg	0.64	U	0.69	U	0.64	U	0.75	U	0.68	U	0.6	U
SW6010C	7440-23-5	Sodium	mg/kg	239		351		899		191		262		253	
SW6010C	7440-28-0	Thallium	mg/kg	6.4	U	6.9	U	6.4	U	7.5	U	6.8	U	6	U
SW6010C	7440-62-2	Vanadium	mg/kg	14		10.9		21.3		11.4		12.5		17.6	
SW6010C	7440-66-6	Zinc	mg/kg	36.4		40.2		135		85.3		14.1		162	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.2	U	2.2	U	2.1	U	2.3	U	2.4	U	2	U
SW7471B	7439-97-6	Mercury	mg/kg	1		0.012	J	1.3		0.0092	J	0.023	U	0.49	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	2000	U	1900	U	250	U	6	UJ	5.5	UJ	56	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	591-78-6	2-Hexanone	ug/kg	9900	U	9700	U	1300	U	30	U	27	U	280	U
SW8260C	67-64-1	Acetone	ug/kg	9900	U	9700	U	1300	U	17	J	28		280	U
SW8260C	71-43-2	Benzene	ug/kg	12000		1900	U	250	U	1.1	J	0.5	J	260	
SW8260C	75-27-4	Bromodichloromethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	75-25-2	Bromoform	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	74-83-9	Bromomethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	2000	U	1900	U	250	U	5.7	J	5.5	U	56	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	75-00-3	Chloroethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	67-66-3	Chloroform	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	74-87-3	Chloromethane	ug/kg	2000	U	1900	U	250	U	6	UJ	5.5	UJ	56	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U

			Location ID	PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-026		PDI-ONSO-026		PDI-ONSO-026	
			Sample ID	PDI-ONSO-025-14-14.5		PDI-ONSO-025-17-19		PDI-ONSO-025-8-9.5		PDI-ONSO-026-16.5-17		PDI-ONSO-026-17-18.5		PDI-ONSO-026-4-5	
			Start Depth	14		17		8		16.5		17		4	
			End Depth	14.5		19		9.5		17		18.5		5	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/5/2023		10/5/2023		10/5/2023		10/4/2023		10/4/2023		10/4/2023	
			SDG	4802134461		4802134461		4802134461		4802134371		4802134371		4802134371	
			Lab Sample ID	480-213446-4		480-213446-5		480-213446-2		480-213437-6		480-213437-7		480-213437-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	110-82-7	Cyclohexane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	94	
SW8260C	124-48-1	Dibromochloromethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	14000		3600		250	U	0.42	J	5.5	U	22	J
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	4200		640	J	250	U	6	UJ	5.5	UJ	56	U
SW8260C	79-20-9	Methyl Acetate	ug/kg	9900	U	9700	U	510	J	30	U	27	U	280	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	9900	U	9700	U	1300	U	30	U	2.1	J	280	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	9900	U	9700	U	1300	U	30	U	27	U	280	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	3500		1900	U	250	U	6	U	5.5	U	230	
SW8260C	75-09-2	Methylene Chloride	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	100-42-5	Styrene	ug/kg	2000	U	1900	U	250	U	0.35	J	5.5	U	56	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	108-88-3	Toluene	ug/kg	2100		1900	U	180	J	1.7	J	0.84	J	250	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	2000	U	1900	U	250	U	6	U	5.5	U	56	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	2000	U	1900	U	250	U	6	UJ	5.5	UJ	56	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	2000	U	1900	U	250	U	6	UJ	5.5	UJ	56	U
SW8260C	1330-20-7	Xylenes	ug/kg	120000		18000		220	J	12	U	11	U	260	
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	1100	U	570	U	1100	U	120	U	120	U	990	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	1200	J	960	U	1800	U	200	U	200	U	1700	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	18000	UJ	9400	UJ	17000	UJ	1900	UJ	2000	UJ	17000	UJ
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	3600	U	1900	U	3500	U	390	U	390	U	3300	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	100000		16000		7800		200	U	200	U	1700	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	3600	U	1900	U	3500	U	390	U	390	U	3300	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	3600	U	1900	U	3500	U	390	U	390	U	3300	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	3600	U	1900	U	3500	U	390	U	390	U	3300	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	3600	U	1900	U	3500	U	390	U	390	U	3300	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	230	J	1900	U	340	J	390	U	390	U	3300	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	3600	U	1900	U	3500	U	390	U	390	U	3300	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	3600	U	1900	U	3500	U	390	U	390	U	3300	U
SW8270D	83-32-9	Acenaphthene	ug/kg	26000		7300		38000		230		200	U	1700	U

			Location ID	PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-025		PDI-ONSO-026		PDI-ONSO-026		PDI-ONSO-026	
			Sample ID	PDI-ONSO-025-14-14.5		PDI-ONSO-025-17-19		PDI-ONSO-025-8-9.5		PDI-ONSO-026-16.5-17		PDI-ONSO-026-17-18.5		PDI-ONSO-026-4-5	
			Start Depth	14		17		8		16.5		17		4	
			End Depth	14.5		19		9.5		17		18.5		5	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/5/2023		10/5/2023		10/5/2023		10/4/2023		10/4/2023		10/4/2023	
			SDG	4802134461		4802134461		4802134461		4802134371		4802134371		4802134371	
			Lab Sample ID	480-213446-4		480-213446-5		480-213446-2		480-213437-6		480-213437-7		480-213437-4	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	17000		1800		1900		34	J	200	U	1700	
SW8270D	98-86-2	Acetophenone	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	120-12-7	Anthracene	ug/kg	50000		6300		98000		60	J	200	U	1400	J
SW8270D	1912-24-9	Atrazine	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	44000		4300		200000		120	J	47	J	5500	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	38000		3600		180000		100	J	57	J	6900	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	45000		3300		200000		85	J	58	J	6500	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	9700		930	J	53000		49	J	34	J	3700	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	16000		1700		96000		40	J	200	U	3700	
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	17000		2300		2100		200	U	200	U	1700	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	1900	UJ	960	UJ	1800	UJ	200	UJ	200	UJ	1700	UJ
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	105-60-2	Caprolactam	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	86-74-8	Carbazole	ug/kg	14000		1800		38000		200	U	200	U	370	J
SW8270D	218-01-9	Chrysene	ug/kg	36000		3700		190000		130	J	47	J	5300	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	3500		330	J	17000		200	U	200	U	1100	J
SW8270D	132-64-9	Dibenzofuran	ug/kg	42000		3500		20000		200	U	200	U	280	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	206-44-0	Fluoranthene	ug/kg	110000		12000		410000		200		49	J	9500	
SW8270D	86-73-7	Fluorene	ug/kg	52000		7200		40000		30	J	200	U	420	J
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	11000		1000		50000		49	J	37	J	3800	
SW8270D	78-59-1	Isophorone	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	91-20-3	Naphthalene	ug/kg	470000		35000		16000		33	J	59	J	430	J
SW8270D	98-95-3	Nitrobenzene	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	3600	U	1900	U	3500	U	390	U	390	U	3300	U
SW8270D	85-01-8	Phenanthrene	ug/kg	190000		23000		290000		200	U	200	U	4300	
SW8270D	108-95-2	Phenol	ug/kg	1900	U	960	U	1800	U	200	U	200	U	1700	U
SW8270D	129-00-0	Pyrene	ug/kg	95000		9000		330000		310		77	J	7300	
SW9012	57-12-5	Cyanide	mg/kg	0.9	J	0.54	J	0.74	J	1.1	U	1.1	U	0.94	U

			Location ID	PDI-ONSO-026		PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-028		PDI-ONSO-028	
			Sample ID	PDI-ONSO-026-5.5-7		PDI-ONSO-027-11-13		PDI-ONSO-027-18-20		PDI-ONSO-027-5-7		PDI-ONSO-028-11-13		PDI-ONSO-028-15-17	
			Start Depth	5.5		11		18		5		11		15	
			End Depth	7		13		20		7		13		17	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/4/2023		10/11/2023		10/11/2023		10/11/2023		10/5/2023		10/5/2023	
			SDG	4802134371		4802136811		4802136811		4802136811		4802134461		4802134461	
			Lab Sample ID	480-213437-5		480-213681-3		480-213681-4		480-213681-2		480-213446-8		480-213446-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.81	U	0.84	U	0.9	U	1	U	0.87	U	0.91	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2	U	2.1	U	2.3	UJ	2.6	U	2.2	U	2.3	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2	U	2.1	U	2.3	UJ	2.6	U	2.2	U	2.3	UJ
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.1	U	5.3	U	5.6	U	6.5	U	5.4	U	5.7	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.1	U	5.3	U	5.6	U	6.5	U	5.4	U	5.7	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.1	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.81	U	0.84	U	0.094	J	1	U	0.87	U	0.91	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.81	U	0.84	U	0.9	U	1	U	0.87	U	0.91	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.2	U	0.21	U	0.23	UJ	0.26	U	0.22	U	0.23	UJ
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.2	U	0.21	U	0.23	UJ	0.26	U	0.22	U	0.23	UJ
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.41	U	0.42	U	0.45	U	0.52	U	0.44	U	0.46	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.41	U	0.42	U	0.45	U	0.52	U	0.44	U	0.46	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.81	U	0.84	U	0.9	U	1	U	0.87	U	0.91	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.41	U	0.42	U	0.15	J	0.52	U	0.44	U	0.46	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.41	U	0.42	U	0.45	U	0.52	U	0.44	U	0.46	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.21	J	0.84	U	0.9	U	1	U	0.87	U	0.91	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.053	JN	0.23	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.2	U	0.21	U	0.23	U	0.22	JN	0.22	U	0.23	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.13	JN	0.047	JN
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.2	U	0.027	JN	0.23	U	0.26	U	0.22	U	0.23	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.2	U	0.21	U	0.23	U	0.15	J	0.22	U	0.23	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.18	JN	0.21	U	0.23	U	0.092	JN	0.22	U	0.23	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.41	U	0.42	U	0.45	U	0.048	J	0.44	U	0.46	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.2	U	0.21	U	0.23	U	0.26	U	0.22	U	0.23	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.81	U	0.84	U	0.9	U	1	U	0.87	U	0.91	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.81	U	0.84	U	0.9	U	1	U	0.87	U	0.91	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.81	U	0.84	U	0.9	U	1	U	0.87	U	0.91	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	2		7.5		15.1		10.8		9.6		10.6	
SW6010C	7429-90-5	Aluminum	mg/kg	1870		6360		5480		8170		7870	J	8730	
SW6010C	7440-36-0	Antimony	mg/kg	14.5	U	1.3	J	0.96	J	4.3	J	16.8	U	18.2	U
SW6010C	7440-38-2	Arsenic	mg/kg	3.4		8.7		20.2		165		7.2		6.7	
SW6010C	7440-39-3	Barium	mg/kg	17.2		32.9		29.2		49.9		24.1	J	56.4	
SW6010C	7440-41-7	Beryllium	mg/kg	0.08	J	0.34		0.29		0.35		0.39		0.49	

			Location ID	PDI-ONSO-026		PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-028		PDI-ONSO-028	
			Sample ID	PDI-ONSO-026-5.5-7		PDI-ONSO-027-11-13		PDI-ONSO-027-18-20		PDI-ONSO-027-5-7		PDI-ONSO-028-11-13		PDI-ONSO-028-15-17	
			Start Depth	5.5		11		18		5		11		15	
			End Depth	7		13		20		7		13		17	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/4/2023		10/11/2023		10/11/2023		10/11/2023		10/5/2023		10/5/2023	
			SDG	4802134371		4802136811		4802136811		4802136811		4802134461		4802134461	
			Lab Sample ID	480-213437-5		480-213681-3		480-213681-4		480-213681-2		480-213446-8		480-213446-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW6010C	7440-43-9	Cadmium	mg/kg	0.072	J	0.12	J	0.23	U	0.1	J	0.086	J	0.059	J
SW6010C	7440-70-2	Calcium	mg/kg	196000		87500		144000		75800		1240		1660	
SW6010C	7440-47-3	Chromium, Total	mg/kg	2		7.5		15.1		10.8		9.6	J	10.6	
SW6010C	7440-48-4	Cobalt	mg/kg	0.33	J	4.7		3.7		5.6		5.6		5.4	
SW6010C	7440-50-8	Copper	mg/kg	1.2	J	11.6		9		17.1		11.5		14.2	
SW6010C	7439-89-6	Iron	mg/kg	1970		10100		9580		12800		15600		17000	
SW6010C	7439-92-1	Lead	mg/kg	5.5		12.8		23.6		81		10.4		14	
SW6010C	7439-95-4	Magnesium	mg/kg	24900		17200		49700		34000		2120		2940	
SW6010C	7439-96-5	Manganese	mg/kg	193		454		424		386		125		125	
SW6010C	7440-02-0	Nickel	mg/kg	1.6	J	10		8.3		12.3		14.5		16	
SW6010C	7440-09-7	Potassium	mg/kg	272		2520		2560		2140		1440	J	1670	
SW6010C	7782-49-2	Selenium	mg/kg	3.9	U	1.5	J	1.3	J	2.2	J	4.5	U	4.9	U
SW6010C	7440-22-4	Silver	mg/kg	0.58	U	0.69	U	0.7	U	0.78	U	0.67	U	0.73	U
SW6010C	7440-23-5	Sodium	mg/kg	166		117	J	191		248		228		209	
SW6010C	7440-28-0	Thallium	mg/kg	0.31	J	6.9	U	7	U	7.8	U	6.7	U	7.3	U
SW6010C	7440-62-2	Vanadium	mg/kg	2.6		10		9.1		15.6		14.7		16.9	
SW6010C	7440-66-6	Zinc	mg/kg	62.6		53		27.6		75.6		36.6		51.5	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2	U	2.2	U	2.3	U	2.5	U	2.3	UJ	2.4	U
SW7471B	7439-97-6	Mercury	mg/kg	0.097		0.011	J	0.04		0.5	J	0.013	J	0.015	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	591-78-6	2-Hexanone	ug/kg	270	U	5100	U	9900	U	760	U	9300	U	12000	U
SW8260C	67-64-1	Acetone	ug/kg	270	U	5100	U	9900	U	760	U	9300	U	12000	U
SW8260C	71-43-2	Benzene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-25-2	Bromoform	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	74-83-9	Bromomethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-00-3	Chloroethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	67-66-3	Chloroform	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	74-87-3	Chloromethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U

			Location ID	PDI-ONSO-026		PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-028		PDI-ONSO-028	
			Sample ID	PDI-ONSO-026-5.5-7		PDI-ONSO-027-11-13		PDI-ONSO-027-18-20		PDI-ONSO-027-5-7		PDI-ONSO-028-11-13		PDI-ONSO-028-15-17	
			Start Depth	5.5		11		18		5		11		15	
			End Depth	7		13		20		7		13		17	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/4/2023		10/11/2023		10/11/2023		10/11/2023		10/5/2023		10/5/2023	
			SDG	4802134371		4802136811		4802136811		4802136811		4802134461		4802134461	
			Lab Sample ID	480-213437-5		480-213681-3		480-213681-4		480-213681-2		480-213446-8		480-213446-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	110-82-7	Cyclohexane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	UJ	2400	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	54	U	4300		3200		56	J	1900	U	2000	J
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	54	U	740	J	590	J	150	UJ	8100	J	2900	
SW8260C	79-20-9	Methyl Acetate	ug/kg	270	U	5100	U	9900	U	610	J	9300	U	12000	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	270	U	5100	U	9900	U	760	U	9300	U	12000	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	270	U	5100	U	9900	U	760	U	9300	U	12000	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	54	U	740	J	2000	U	150	U	12000		2400	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	54	U	1000	U	2000	U	150	U	660	J	2400	U
SW8260C	100-42-5	Styrene	ug/kg	15	J	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	108-88-3	Toluene	ug/kg	45	J	2300		2000	U	120	J	1900	U	2400	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	54	U	1000	U	2000	U	150	U	1900	U	2400	U
SW8260C	1330-20-7	Xylenes	ug/kg	92	J	71000		33000		170	J	1900	J	1300	J
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	1000	U	1100	U	560	U	1300	U	2300	UJ	610	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	17000	UJ	18000	UJ	9300	UJ	21000	UJ	38000	UJ	10000	UJ
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	870	J	86000		12000		2200	U	23000		1100	
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	1700	U	1900	U	950	U	2200	U	3900	UJ	1000	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	83-32-9	Acenaphthene	ug/kg	1700	U	5200		2300		570	J	30000		7400	

			Location ID	PDI-ONSO-026		PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-027		PDI-ONSO-028		PDI-ONSO-028	
			Sample ID	PDI-ONSO-026-5.5-7		PDI-ONSO-027-11-13		PDI-ONSO-027-18-20		PDI-ONSO-027-5-7		PDI-ONSO-028-11-13		PDI-ONSO-028-15-17	
			Start Depth	5.5		11		18		5		11		15	
			End Depth	7		13		20		7		13		17	
			Depth Unit	ft		ft		ft		ft		ft		ft	
			Sample Date	10/4/2023		10/11/2023		10/11/2023		10/11/2023		10/5/2023		10/5/2023	
			SDG	4802134371		4802136811		4802136811		4802136811		4802134461		4802134461	
			Lab Sample ID	480-213437-5		480-213681-3		480-213681-4		480-213681-2		480-213446-8		480-213446-6	
			Matrix	SO		SO		SO		SO		SO		SO	
			Sample Type Code	N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit												
SW8270D	208-96-8	Acenaphthylene	ug/kg	1200	J	9800		2700		1400	J	3600	J	760	J
SW8270D	98-86-2	Acetophenone	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	120-12-7	Anthracene	ug/kg	4000		15000		6700		1500	J	17000		4100	
SW8270D	1912-24-9	Atrazine	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	1700	U	1900	U	950	U	2200	U	3900	UJ	1000	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	39000		3100		1900		7300		11000		2800	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	45000		2600		1700		9300		11000		3100	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	50000		2300		1200		12000		6900	J	2100	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	17000		1300	J	780	J	6900		4900	J	1000	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	20000		1300	J	630	J	4900		3100	J	930	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	1700	U	16000		950	U	2200	U	3900	U	1000	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	1700	U	13000		4700		2200	U	3900	U	1000	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	1700	UJ	1900	UJ	950	UJ	2200	UJ	3900	UJ	1000	UJ
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	105-60-2	Caprolactam	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	86-74-8	Carbazole	ug/kg	460	J	660	J	200	J	350	J	3900	U	1000	U
SW8270D	218-01-9	Chrysene	ug/kg	38000		2800		1600		7400		9000		2500	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	5400		440	J	220	J	1900	J	1100	J	250	J
SW8270D	132-64-9	Dibenzofuran	ug/kg	1700	U	19000		5900		600	J	3800	J	810	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	206-44-0	Fluoranthene	ug/kg	29000		15000		6700		11000		22000		6500	
SW8270D	86-73-7	Fluorene	ug/kg	850	J	24000		9600		970	J	18000		3600	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	19000		1300	J	670	J	6900		3700	J	860	J
SW8270D	78-59-1	Isophorone	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	91-20-3	Naphthalene	ug/kg	1000	J	1100000		280000		1900	J	3900		23000	
SW8270D	98-95-3	Nitrobenzene	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	1700	U	1900	U	950	U	2200	U	5900		1000	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	3300	U	3600	U	1800	U	4200	U	7500	U	2000	U
SW8270D	85-01-8	Phenanthrene	ug/kg	4500		51000		23000		5200		54000		14000	
SW8270D	108-95-2	Phenol	ug/kg	1700	U	1900	U	950	U	2200	U	3900	U	1000	U
SW8270D	129-00-0	Pyrene	ug/kg	34000		11000		6800		8900		29000		6800	
SW9012	57-12-5	Cyanide	mg/kg	12.9		2.6		0.62	J	31.9		0.53	J	4	

			Location ID	PDI-ONSO-028			PDI-ONSO-028			PDI-ONSO-028	
			Sample ID	PDI-ONSO-028-21-24			PDI-ONSO-028-5-7			PDI-ONSO-028-DUP	
			Start Depth	21			5			15	
			End Depth	24			7			17	
			Depth Unit	ft			ft			ft	
			Sample Date	10/5/2023			10/5/2023			10/5/2023	
			SDG	4802134461			4802134461			4802134461	
			Lab Sample ID	480-213446-10			480-213446-7			480-213446-9	
			Matrix	SO			SO			SO	
			Sample Type Code	N			N			FD	
Method	CAS_RN	Chemical Name	Unit								
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	0.86	U		0.91	U		2.1	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.1	U		2.3	U		5.3	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	2.1	U		2.3	U		5.3	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ug/kg	0.21	U		0.23	U		0.53	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	5.4	U		5.7	U		13	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ug/kg	5.4	U		5.7	U		13	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ug/kg	1.1	U		1.1	U		2.6	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	0.86	U		0.91	U		2.1	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	0.86	U		0.91	U		2.1	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ug/kg	0.21	U		0.23	U		0.53	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	0.21	U		0.23	U		0.53	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ug/kg	0.21	U		0.23	U		0.53	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	0.43	U		0.46	U		1.1	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	0.43	U		0.46	U		1.1	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ug/kg	0.86	U		0.91	U		2.1	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ug/kg	0.43	U		0.46	U		1.1	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ug/kg	0.43	U		0.46	U		1.1	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	375-22-4	Perfluorobutanoic Acid	ug/kg	0.86	U		0.97			2.1	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ug/kg	0.21	U		0.23	U		0.53	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ug/kg	0.21	U		0.14	JN		0.53	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.21	U		0.071	J		0.53	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ug/kg	0.21	U		0.23	J		0.53	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.21	U		0.57	J		0.53	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.43	U		0.24	JN		1.1	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.21	U		0.23	U		0.53	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ug/kg	0.86	U		0.91	U		2.1	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ug/kg	0.86	U		0.91	U		2.1	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ug/kg	0.86	U		0.91	U		2.1	U
SM3500-CRD	16065-83-1	Chromium III	mg/kg	8.6			11.8			11.6	
SW6010C	7429-90-5	Aluminum	mg/kg	7430			6480			9900	
SW6010C	7440-36-0	Antimony	mg/kg	17.2	U		0.83	J		19	U
SW6010C	7440-38-2	Arsenic	mg/kg	19.4			20.6			8.2	
SW6010C	7440-39-3	Barium	mg/kg	42.4			40.1			51.6	
SW6010C	7440-41-7	Beryllium	mg/kg	0.44			0.26			0.53	

			Location ID	PDI-ONSO-028		PDI-ONSO-028		PDI-ONSO-028	
			Sample ID	PDI-ONSO-028-21-24		PDI-ONSO-028-5-7		PDI-ONSO-028-DUP	
			Start Depth	21		5		15	
			End Depth	24		7		17	
			Depth Unit	ft		ft		ft	
			Sample Date	10/5/2023		10/5/2023		10/5/2023	
			SDG	4802134461		4802134461		4802134461	
			Lab Sample ID	480-213446-10		480-213446-7		480-213446-9	
			Matrix	SO		SO		SO	
			Sample Type Code	N		N		FD	
Method	CAS_RN	Chemical Name	Unit						
SW6010C	7440-43-9	Cadmium	mg/kg	0.12	J	0.061	J	0.082	J
SW6010C	7440-70-2	Calcium	mg/kg	112000		66700		1390	
SW6010C	7440-47-3	Chromium, Total	mg/kg	8.6		11.8		11.6	
SW6010C	7440-48-4	Cobalt	mg/kg	4.7		1.7		6.4	
SW6010C	7440-50-8	Copper	mg/kg	11.6		19.7		14.8	
SW6010C	7439-89-6	Iron	mg/kg	12700		23100		18500	
SW6010C	7439-92-1	Lead	mg/kg	15.8		170		19.1	
SW6010C	7439-95-4	Magnesium	mg/kg	31300		20100		3130	
SW6010C	7439-96-5	Manganese	mg/kg	602		210		115	
SW6010C	7440-02-0	Nickel	mg/kg	11.6		3.4	J	17.6	
SW6010C	7440-09-7	Potassium	mg/kg	3830		2290		2190	
SW6010C	7782-49-2	Selenium	mg/kg	4.6	U	4.8	U	5.1	U
SW6010C	7440-22-4	Silver	mg/kg	0.69	U	0.72	U	0.76	U
SW6010C	7440-23-5	Sodium	mg/kg	866		644		244	
SW6010C	7440-28-0	Thallium	mg/kg	6.9	U	7.2	U	7.6	U
SW6010C	7440-62-2	Vanadium	mg/kg	10.3		17.5		20.6	
SW6010C	7440-66-6	Zinc	mg/kg	53.4		35.7		56.6	
SW7196A	18540-29-9	Chromium, Hexavalent	mg/kg	2.3	U	2.3	U	2.4	U
SW7471B	7439-97-6	Mercury	mg/kg	0.006	J	0.45		0.016	J
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/kg	210	U	390	U	2100	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/kg	210	U	390	U	2100	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	210	U	390	U	2100	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/kg	210	U	390	U	2100	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/kg	210	U	390	U	2100	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/kg	210	U	390	U	2100	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/kg	210	U	390	U	2100	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/kg	210	U	390	U	2100	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	210	U	390	U	2100	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/kg	210	U	390	U	2100	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/kg	210	U	390	U	2100	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/kg	210	U	390	U	2100	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/kg	210	U	390	U	2100	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/kg	210	U	390	U	2100	U
SW8260C	591-78-6	2-Hexanone	ug/kg	1000	U	1900	U	10000	U
SW8260C	67-64-1	Acetone	ug/kg	1000	U	1900	U	10000	U
SW8260C	71-43-2	Benzene	ug/kg	210	U	4800		2100	U
SW8260C	75-27-4	Bromodichloromethane	ug/kg	210	U	390	U	2100	U
SW8260C	75-25-2	Bromoform	ug/kg	210	U	390	U	2100	U
SW8260C	74-83-9	Bromomethane	ug/kg	210	U	390	U	2100	U
SW8260C	75-15-0	Carbon Disulfide	ug/kg	210	U	390	U	2100	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/kg	210	U	390	U	2100	U
SW8260C	108-90-7	Chlorobenzene	ug/kg	210	U	390	U	2100	U
SW8260C	75-00-3	Chloroethane	ug/kg	210	U	390	U	2100	U
SW8260C	67-66-3	Chloroform	ug/kg	210	U	390	U	2100	U
SW8260C	74-87-3	Chloromethane	ug/kg	210	U	390	U	2100	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/kg	210	U	390	U	2100	U

			Location ID	PDI-ONSO-028			PDI-ONSO-028			PDI-ONSO-028	
			Sample ID	PDI-ONSO-028-21-24			PDI-ONSO-028-5-7			PDI-ONSO-028-DUP	
			Start Depth	21			5			15	
			End Depth	24			7			17	
			Depth Unit	ft			ft			ft	
			Sample Date	10/5/2023			10/5/2023			10/5/2023	
			SDG	4802134461			4802134461			4802134461	
			Lab Sample ID	480-213446-10			480-213446-7			480-213446-9	
			Matrix	SO			SO			SO	
			Sample Type Code	N			N			FD	
Method	CAS_RN	Chemical Name	Unit								
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/kg	210	U		390	U		2100	U
SW8260C	110-82-7	Cyclohexane	ug/kg	210	U		390	U		2100	U
SW8260C	124-48-1	Dibromochloromethane	ug/kg	210	U		390	U		2100	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/kg	210	U		390	U		2100	U
SW8260C	100-41-4	Ethylbenzene	ug/kg	210	U		360	J		2900	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/kg	210	U		390	U		4100	
SW8260C	79-20-9	Methyl Acetate	ug/kg	1000	U		1900	U		10000	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/kg	1000	U		1900	U		10000	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	1000	U		1900	U		10000	U
SW8260C	108-87-2	Methylcyclohexane	ug/kg	210	U		390	U		2100	U
SW8260C	75-09-2	Methylene Chloride	ug/kg	210	U		390	U		2100	U
SW8260C	100-42-5	Styrene	ug/kg	210	U		380	J		2100	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/kg	210	U		390	U		2100	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/kg	210	U		390	U		2100	U
SW8260C	108-88-3	Toluene	ug/kg	210	U		2000			2100	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/kg	210	U		390	U		2100	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/kg	210	U		390	U		2100	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/kg	210	U		390	U		2100	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/kg	210	U		390	U		2100	U
SW8260C	75-01-4	Vinyl Chloride	ug/kg	210	U		390	U		2100	U
SW8260C	1330-20-7	Xylenes	ug/kg	420	U		1400			1200	J
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/kg	110	U		1200	U		600	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	190	U		2000	U		1000	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	190	U		2000	U		1000	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	190	U		2000	U		1000	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	190	U		2000	U		1000	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	1900	UJ		19000	UJ		10000	UJ
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	190	U		2000	U		1000	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	190	U		2000	U		1000	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	190	U		2000	U		1000	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	380	U		3900	U		2000	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	53	J		1300	J		1100	
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	190	U		2000	U		1000	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	380	U		3900	U		2000	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	190	U		2000	U		1000	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	380	U		3900	U		2000	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	380	U		3900	U		2000	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	380	U		3900	U		2000	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	190	U		2000	U		1000	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	190	U		2000	U		1000	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	190	U		2000	U		1000	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	190	U		2000	U		1000	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	380	U		3900	U		2000	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	380	U		3900	U		2000	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	380	U		3900	U		2000	U
SW8270D	83-32-9	Acenaphthene	ug/kg	350			830	J		7300	

			Location ID	PDI-ONSO-028		PDI-ONSO-028		PDI-ONSO-028	
			Sample ID	PDI-ONSO-028-21-24		PDI-ONSO-028-5-7		PDI-ONSO-028-DUP	
			Start Depth	21		5		15	
			End Depth	24		7		17	
			Depth Unit	ft		ft		ft	
			Sample Date	10/5/2023		10/5/2023		10/5/2023	
			SDG	4802134461		4802134461		4802134461	
			Lab Sample ID	480-213446-10		480-213446-7		480-213446-9	
			Matrix	SO		SO		SO	
			Sample Type Code	N		N		FD	
Method	CAS_RN	Chemical Name	Unit						
SW8270D	208-96-8	Acenaphthylene	ug/kg	190	U	7500		810	J
SW8270D	98-86-2	Acetophenone	ug/kg	190	U	300	J	1000	U
SW8270D	120-12-7	Anthracene	ug/kg	190	U	6800		4500	
SW8270D	1912-24-9	Atrazine	ug/kg	190	U	2000	U	1000	U
SW8270D	100-52-7	Benzaldehyde	ug/kg	190	U	2000	U	1000	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	190	U	18000		2900	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	190	U	20000		3400	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	190	U	27000		2300	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	190	U	8000		1200	
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	190	U	15000		1000	
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	190	U	2000	U	1000	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	190	U	380	J	1000	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	190	U	2000	U	1000	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	190	U	2000	U	1000	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	190	UJ	2000	UJ	1000	UJ
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	190	U	2000	U	1000	U
SW8270D	105-60-2	Caprolactam	ug/kg	190	U	2000	U	1000	U
SW8270D	86-74-8	Carbazole	ug/kg	190	U	1100	J	1000	U
SW8270D	218-01-9	Chrysene	ug/kg	190	U	21000		2500	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	190	U	2600		260	J
SW8270D	132-64-9	Dibenzofuran	ug/kg	27	J	1600	J	840	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	190	U	2000	U	1000	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	190	U	2000	U	1000	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	190	U	2000	U	1000	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	190	U	2000	U	1000	U
SW8270D	206-44-0	Fluoranthene	ug/kg	53	J	35000		6800	
SW8270D	86-73-7	Fluorene	ug/kg	33	J	2800		3600	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	190	U	2000	U	1000	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	190	U	2000	U	1000	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	190	U	2000	U	1000	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	190	U	2000	U	1000	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	190	U	8400		930	J
SW8270D	78-59-1	Isophorone	ug/kg	190	U	2000	U	1000	U
SW8270D	91-20-3	Naphthalene	ug/kg	140	J	3400		27000	
SW8270D	98-95-3	Nitrobenzene	ug/kg	190	U	2000	U	1000	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	190	U	2000	U	1000	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	190	U	2000	U	1000	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	380	U	3900	U	2000	U
SW8270D	85-01-8	Phenanthrene	ug/kg	69	J	20000		14000	
SW8270D	108-95-2	Phenol	ug/kg	190	U	2000	U	1000	U
SW8270D	129-00-0	Pyrene	ug/kg	52	J	27000		6900	
SW9012	57-12-5	Cyanide	mg/kg	2.6		171		2.3	

			Location ID								
			Sample ID	EB-092823	EB-10042023	EB-10052023	EB-10062023	EB-10102023	EB-10112023	EB-11012023	EB-110723
			Start Depth								
			End Depth								
			Depth Unit								
			Sample Date	9/28/2023	10/4/2023	10/5/2023	10/6/2023	10/10/2023	10/11/2023	11/1/2023	11/7/2023
			SDG	4802132331	4802134371	4802134461	4802134721	4802135991	4802136811	4802144591	4802146651
			Lab Sample ID	480-213233-5	480-213437-3	480-213446-1	480-213472-1	480-213599-1	480-213681-1	480-214459-1	480-214665-1
			Matrix	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ
			Sample Type Code	EB	EB	EB	EB	EB	EB	EB	EB
Method	CAS_RN	Chemical Name	Unit								
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/l	7.2 U	7.7 U	80 U	7.1 U	7.3 U	7.5 U	7.7 U	7.7 U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	18 U	19 U	200 U	18 U	18 U	19 U	19 U	19 U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	18 U	19 U	200 U	18 U	18 U	19 U	19 U	19 U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l	3.6 U	3.9 U	40 U	3.5 U	3.6 U	3.7 U	3.8 U	3.8 U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ng/l	45 U	48 U	500 U	44 U	45 U	47 U	48 U	48 U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ng/l	45 U	48 U	500 U	44 U	45 U	47 U	48 U	48 U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ng/l	9 U	9.6 U	99 U	8.8 U	9.1 U	9.4 U	9.6 U	9.6 U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/l	7.2 U	7.7 U	80 U	7.1 U	7.3 U	7.5 U	7.7 U	7.7 U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/l	7.2 U	7.7 U	80 U	7.1 U	7.3 U	7.5 U	7.7 U	7.7 U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ng/l	3.6 U	3.9 U	40 U	3.5 U	3.6 U	3.7 U	3.8 U	3.8 U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ng/l	3.6 U	3.9 U	40 U	3.5 U	3.6 U	3.7 U	3.8 U	3.8 U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ng/l	7.2 U	7.7 U	80 U	7.1 U	7.3 U	7.5 U	7.7 U	7.7 U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ng/l	3.6 U	3.9 U	40 U	3.5 U	3.6 U	3.7 U	3.8 U	3.8 U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ng/l	3.6 U	3.9 U	40 U	3.5 U	3.6 U	3.7 U	3.8 U	3.8 U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	375-22-4	Perfluorobutanoic Acid	ng/l	7.2 U	7.7 U	80 U	7.1 U	7.3 U	7.5 U	7.7 U	7.7 U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l	3.6 U	3.9 U	40 U	3.5 U	3.6 U	3.7 U	3.8 U	3.8 U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l	1.8 U	1.9 U	20 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l	7.2 U	7.7 U	80 U	7.1 U	7.3 U	7.5 U	7.7 U	7.7 U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ng/l	7.2 U	7.7 U	80 U	7.1 U	7.3 U	7.5 U	7.7 U	7.7 U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l	7.2 U	7.7 U	80 U	7.1 U	7.3 U	7.5 U	7.7 U	7.7 U
SM3500-CRD	16065-83-1	Chromium III	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
SW6010C	7429-90-5	Aluminum	mg/L	0.2 U	0.2 U	0.071 J	0.06 J	0.2 U	0.2 U	0.2 U	0.2 U
SW6010C	7440-36-0	Antimony	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW6010C	7440-38-2	Arsenic	mg/L	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
SW6010C	7440-39-3	Barium	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.00071 J	0.014	0.002 U	0.002 U
SW6010C	7440-41-7	Beryllium	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
SW6010C	7440-43-9	Cadmium	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
SW6010C	7440-70-2	Calcium	mg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	11.7	0.5 U	0.14 J
SW6010C	7440-47-3	Chromium, Total	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
SW6010C	7440-48-4	Cobalt	mg/L	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
SW6010C	7440-50-8	Copper	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
SW6010C	7439-89-6	Iron	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.024 J
SW6010C	7439-92-1	Lead	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
SW6010C	7439-95-4	Magnesium	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.2	0.2 U	0.2 U
SW6010C	7439-96-5	Manganese	mg/L	0.00048 J	0.00088 J	0.0014 J	0.0017 J	0.003 U	0.0018 J	0.0012 J	0.0012 J
SW6010C	7440-02-0	Nickel	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
SW6010C	7440-09-7	Potassium	mg/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.55	0.2 J	0.5 U
SW6010C	7782-49-2	Selenium	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
SW6010C	7440-22-4	Silver	mg/L	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U	0.006 U
SW6010C	7440-23-5	Sodium	mg/L	1 U	1 U	1 U	0.4 J	1 U	4.9	0.91 J	1 U
SW6010C	7440-28-0	Thallium	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
SW6010C	7440-62-2	Vanadium	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
SW6010C	7440-66-6	Zinc	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0015 J	0.01 U	0.003 J
SW7196A	18540-29-9	Chromium, Hexavalent	mg/L	0.0092 J	0.0054 J	0.01 U	0.01 U	0.0054 J	0.018	0.012	0.01 U
SW7470A	7439-97-6	Mercury	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	9E-05 J	0.0002 U
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

		Location ID																					
		Sample ID	EB-092823		EB-10042023		EB-10052023		EB-10062023		EB-10102023		EB-10112023		EB-11012023		EB-110723						
		Start Depth																					
		End Depth																					
		Depth Unit																					
		Sample Date	9/28/2023		10/4/2023		10/5/2023		10/6/2023		10/10/2023		10/11/2023		11/1/2023		11/7/2023						
		SDG	4802132331		4802134371		4802134461		4802134721		4802135991		4802136811		4802144591		4802146651						
		Lab Sample ID	480-213233-5		480-213437-3		480-213446-1		480-213472-1		480-213599-1		480-213681-1		480-214459-1		480-214665-1						
		Matrix	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ						
		Sample Type Code	EB		EB		EB		EB		EB		EB		EB		EB						
Method	CAS_RN	Chemical Name	Unit																				
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U				
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U				
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-34-3	1,1-Dichloroethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-35-4	1,1-Dichloroethene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	107-06-2	1,2-Dichloroethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	78-87-5	1,2-Dichloropropane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	591-78-6	2-Hexanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	UJ	5	UJ	5	U				
SW8260C	67-64-1	Acetone	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U				
SW8260C	71-43-2	Benzene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-27-4	Bromodichloromethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-25-2	Bromoform	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	74-83-9	Bromomethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-15-0	Carbon Disulfide	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	56-23-5	Carbon Tetrachloride	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U				
SW8260C	108-90-7	Chlorobenzene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-00-3	Chloroethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	67-66-3	Chloroform	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	74-87-3	Chloromethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	110-82-7	Cyclohexane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	124-48-1	Dibromochloromethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-71-8	Dichlorodifluoromethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	100-41-4	Ethylbenzene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	79-20-9	Methyl Acetate	ug/L	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U				
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U				
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	UJ	5	U				
SW8260C	108-87-2	Methylcyclohexane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-09-2	Methylene Chloride	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	100-42-5	Styrene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	108-88-3	Toluene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	0.51	J				
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	UJ	1	U				
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-69-4	Trichlorofluoromethane	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	75-01-4	Vinyl Chloride	ug/L	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U				
SW8260C	1330-20-7	Xylenes	ug/L	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U				
SW8270D	123-91-1	1,4-Dioxane (P-Dioxane)	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U				
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U				
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	91-58-7	2-Chloronaphthalene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	95-57-8	2-Chlorophenol	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	91-57-6	2-Methylnaphthalene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	88-74-4	2-Nitroaniline	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	UJ				
SW8270D	88-75-5	2-Nitrophenol	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	99-09-2	3-Nitroaniline	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U				
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U				
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U				

			Location ID								
			Sample ID	EB-092823	EB-10042023	EB-10052023	EB-10062023	EB-10102023	EB-10112023	EB-11012023	EB-110723
			Start Depth								
			End Depth								
			Depth Unit								
			Sample Date	9/28/2023	10/4/2023	10/5/2023	10/6/2023	10/10/2023	10/11/2023	11/1/2023	11/7/2023
			SDG	4802132331	4802134371	4802134461	4802134721	4802135991	4802136811	4802144591	4802146651
			Lab Sample ID	480-213233-5	480-213437-3	480-213446-1	480-213472-1	480-213599-1	480-213681-1	480-214459-1	480-214665-1
			Matrix	WQ	WQ	WQ	WQ	WQ	WQ	WQ	WQ
			Sample Type Code	EB	EB	EB	EB	EB	EB	EB	EB
Method	CAS_RN	Chemical Name	Unit								
SW8270D	106-47-8	4-Chloroaniline	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
SW8270D	100-01-6	4-Nitroaniline	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
SW8270D	100-02-7	4-Nitrophenol	ug/L	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	10 U	10 U
SW8270D	83-32-9	Acenaphthene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	208-96-8	Acenaphthylene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	98-86-2	Acetophenone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	120-12-7	Anthracene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	1912-24-9	Atrazine	ug/L	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
SW8270D	100-52-7	Benzaldehyde	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	105-60-2	Caprolactam	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	86-74-8	Carbazole	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	218-01-9	Chrysene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	132-64-9	Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
SW8270D	84-66-2	Diethyl Phthalate	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	131-11-3	Dimethyl Phthalate	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	206-44-0	Fluoranthene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	86-73-7	Fluorene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	118-74-1	Hexachlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	87-68-3	Hexachlorobutadiene	ug/L	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U	5 UJ	5 UJ
SW8270D	67-72-1	Hexachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	78-59-1	Isophorone	ug/L	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
SW8270D	91-20-3	Naphthalene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	98-95-3	Nitrobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	87-86-5	Pentachlorophenol	ug/L	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ
SW8270D	85-01-8	Phenanthrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	108-95-2	Phenol	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW8270D	129-00-0	Pyrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
SW9012B	57-12-5	Cyanide	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

				Location ID	PDI-SED-001	PDI-SED-001	PDI-SED-002	PDI-SED-002	PDI-SED-003	PDI-SED-004	PDI-SED-004	PDI-SED-005	PDI-SED-006	PDI-SED-007	PDI-SED-008	PDI-SED-009
				Sample ID	PDI-SED-001-0-6	PDI-SED-001-13-19	PDI-SED-002-0-6	PDI-SED-002-0-6-DUP	PDI-SED-003-0-8	PDI-SED-004-0-6	PDI-SED-004-0-6-DUP	PDI-SED-005-10-16	PDI-SED-006-17-23	PDI-SED-007-0-2	PDI-SED-008-16-22	PDI-SED-009-0-6
				Start Depth	0	13	0	0	0	0	0	10	17	0	16	0
				End Depth	6	19	6	6	8	6	6	16	23	2	22	6
				Depth Unit	in	in	in	in	in	in	in	in	in	in	in	in
				Sample Date	10/23/2023	10/23/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/23/2023	10/23/2023	10/24/2023	10/23/2023	10/24/2023
				SDG	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621	4802141621
				Lab Sample Id	480-214162-2	480-214162-3	480-214162-10	480-214162-11	480-214162-12	480-214162-13	480-214162-14	480-214162-4	480-214162-5	480-214162-15	480-214162-6	480-214162-16
				Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
				Sample Type Code	N	N	N	FD	N	N	FD	N	N	N	N	N
Method	CAS_RN	Chemical Name	Unit													
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	2200 U	2100 U	12000 U	13000 U	16000 U	12000 U	12000 U	1800 U	9200 U	13000 U	9300 U	31000 U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	250 J	1400 U	950 U	3100 U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	83-32-9	Acenaphthene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	2100	1400 U	950 U	3100 U
SW8270D	208-96-8	Acenaphthylene	ug/kg	220 U	40 J	1300 U	1300 U	1600 U	1300 U	1200 U	54 J	1100	1400 U	250 J	3100 U
SW8270D	98-86-2	Acetophenone	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	120-12-7	Anthracene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	190	950	1400 U	300 J	3100 U
SW8270D	1912-24-9	Atrazine	ug/kg	220 UJ	220 UJ	1300 UJ	1300 UJ	1600 UJ	1300 UJ	1200 UJ	180 UJ	950 UJ	1400 UJ	950 UJ	3100 UJ
SW8270D	100-52-7	Benzaldehyde	ug/kg	220 UJ	220 UJ	1300 UJ	1300 UJ	1600 UJ	1300 UJ	1200 UJ	180 UJ	950 UJ	1400 UJ	950 UJ	3100 UJ
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	220 U	110 J	1300 U	1300 U	1600 U	1300 U	1200 U	310	3000	1400 U	1100	3100 U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	36 J	110 J	1300 U	1300 U	1600 U	1300 U	1200 U	270	2400	360 J	980	3100 U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	41 J	110 J	1300 U	1300 U	510 J	1300 U	1200 U	270	3400	540 J	1000	3100 U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	42 J	74 J	1300 U	1300 U	330 J	1300 U	1200 U	160 J	1500	350 J	680 J	440 J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	220 U	66 J	1300 U	1300 U	1600 U	1300 U	1200 U	180	1300	1400 U	410 J	3100 U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	105-60-2	Caprolactam	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	86-74-8	Carbazole	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	218-01-9	Chrysene	ug/kg	220 U	100 J	1300 U	1300 U	1600 U	1300 U	1200 U	270	2500	1400 U	1000	3100 U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	55 J	480 J	1400 U	230 J	3100 U
SW8270D	132-64-9	Dibenzofuran	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	300 J	1400 U	950 U	3100 U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	52 J	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	206-44-0	Fluoranthene	ug/kg	86 J	200 J	360 J	220 J	630 J	1300 U	1200 U	660	6300	680 J	1500	770 J
SW8270D	86-73-7	Fluorene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	550 J	1400 U	950 U	3100 U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	67-72-1	Hexachloroethane	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	37 J	63 J	1300 U	1300 U	300 J	1300 U	1200 U	150 J	1400	250 J	710 J	3100 U
SW8270D	78-59-1	Isophorone	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	91-20-3	Naphthalene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	320 J	1400 U	950 U	3100 U
SW8270D	98-95-3	Nitrobenzene	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	430 U	420 U	2400 U	2600 U	3200 U	2400 U	2400 U	360 U	1800 U	2600 U	1800 U	6100 U
SW8270D	85-01-8	Phenanthrene	ug/kg	220 U	63 J	1300 U	1300 U	1600 U	1300 U	1200 U	370	1900	240 J	1100	3100 U
SW8270D	108-95-2	Phenol	ug/kg	220 U	220 U	1300 U	1300 U	1600 U	1300 U	1200 U	180 U	950 U	1400 U	950 U	3100 U
SW8270D	129-00-0	Pyrene	ug/kg	81 J	210 J	400 J	230 J	600 J	210 J	1200 U	550	6000	500 J	1800	3100 U

				PDI-SED-010	PDI-SED-012	PDI-SED-013	PDI-SED-014	PDI-SED-014	PDI-SED-015	PDI-SED-017	PDI-SED-018	PDI-SED-019	PDI-SED-020	PDI-SED-020	PDI-SED-021
			Location ID	PDI-SED-010	PDI-SED-012	PDI-SED-013	PDI-SED-014	PDI-SED-014	PDI-SED-015	PDI-SED-017	PDI-SED-018	PDI-SED-019	PDI-SED-020	PDI-SED-020	PDI-SED-021
			Sample ID	PDI-SED-010-0-8	PDI-SED-012-0-2	PDI-SED-013-0-3	PDI-SED-014-60-66	PDI-SED-014-66-72	PDI-SED-015-0-1	PDI-SED-017-0-1	PDI-SED-018-10-16	PDI-SED-019-0-2	PDI-SED-020-0-6	PDI-SED-020-10-16	PDI-SED-021-0-4
			Start Depth	0	0	0	60	66	0	0	10	0	0	10	0
			End Depth	8	2	3	66	72	1	1	16	2	6	16	4
			Depth Unit	in	in	in	in	in	in	in	in	in	in	in	in
			Sample Date	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/23/2023	10/25/2023	10/23/2023	10/23/2023	10/25/2023
			SDG	4802141621	4802141621	4802141621	4802141871	4802141871	4802141621	4802141871	4802141621	4802141871	4802141621	4802141621	4802141871
			Lab Sample Id	480-214162-17	480-214162-18	480-214162-20	480-214187-5	480-214187-4	480-214162-21	480-214187-1	480-214162-9	480-214187-8	480-214162-7	480-214162-8	480-214187-9
			Matrix	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
			Sample Type Code	N	N	N	N	N	N	N	N	N	N	N	N
Method	CAS_RN	Chemical Name	Unit												
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	9200 U	1900 U	2500 U	130000 U	130000 U	14000 U	24000 U	38000 U	20000 U	9600 U	19000 U	30000 U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	950 U	69 J	260 U	13000 U	27000	1500 U	2400 U	3900 U	2000 U	980 U	1200 J	3000 U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	83-32-9	Acenaphthene	ug/kg	950 U	730	57 J	5500 J	16000	1500 U	2400 U	19000	2000 U	1100	19000	3000 U
SW8270D	208-96-8	Acenaphthylene	ug/kg	950 U	60 J	260 U	12000 J	14000	1500 U	2400 U	3900	2000 U	1500	3600	3000 U
SW8270D	98-86-2	Acetophenone	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	120-12-7	Anthracene	ug/kg	950 U	110 J	85 J	14000	23000	1500 U	2400 U	10000	2000 U	1100	15000	3000 U
SW8270D	1912-24-9	Atrazine	ug/kg	950 UJ	190 UJ	260 UJ	13000 U	13000 U	1500 U	2400 U	3900 UJ	2000 U	980 UJ	2000 UJ	3000 U
SW8270D	100-52-7	Benzaldehyde	ug/kg	950 UJ	190 UJ	260 UJ	13000 U	13000 U	1500 U	2400 U	3900 UJ	2000 U	980 UJ	2000 UJ	3000 U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	950 U	100 J	150 J	17000	30000	710 J	580 J	9200	620 J	2000	21000	1600 J
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	400 J	140 J	190 J	19000	26000	720 J	710 J	9500	720 J	3700	24000	1900 J
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	310 J	120 J	230 J	18000	28000	880 J	1100 J	9800	1000 J	3100	21000	2600 J
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	310 J	96 J	180 J	13000	17000	520 J	650 J	7700	660 J	5300	20000	1600 J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	120 J	51 J	66 J	7900 J	12000 J	410 J	420 J	2900 J	480 J	1100	9900	1300 J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	950 U	190 U	260 U	13000 U	3400 J	1500 U	2400 U	3900 U	2000 U	980 U	720 J	3000 U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	1700 J
SW8270D	105-60-2	Caprolactam	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	86-74-8	Carbazole	ug/kg	950 U	190 U	260 U	13000 U	2600 J	1500 U	2400 U	3900 U	2000 U	980 U	4300	3000 U
SW8270D	218-01-9	Chrysene	ug/kg	950 U	150 J	210 J	20000	27000	860 J	840 J	9100	960 J	2100	18000	2400 J
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	950 U	190 U	260 U	3400 J	4100 J	1500 U	2400 U	2000 J	2000 U	790 J	3800	3000 U
SW8270D	132-64-9	Dibenzofuran	ug/kg	950 U	66 J	260 U	2800 J	6400 J	1500 U	2400 U	2900 J	2000 U	450 J	7900	3000 U
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	206-44-0	Fluoranthene	ug/kg	440 J	350	390	32000	53000	1600 J	1400 J	19000	1700 J	5200	63000	4600
SW8270D	86-73-7	Fluorene	ug/kg	950 U	250	260 U	12000 J	23000	1500 U	2400 U	11000	2000 U	880 J	12000	3000 U
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	950 U	190 U	260 U	13000 UJ	13000 UJ	1500 UJ	2400 UJ	3900 U	2000 UJ	980 U	2000 U	3000 UJ
SW8270D	67-72-1	Hexachloroethane	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	260 J	71 J	130 J	10000 J	14000	410 J	500 J	5900	540 J	3600	16000	1400 J
SW8270D	78-59-1	Isophorone	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	91-20-3	Naphthalene	ug/kg	950 U	190 U	260 U	13000 U	87000	280 J	2400 U	3900	2000 U	980 U	8700	3000 U
SW8270D	98-95-3	Nitrobenzene	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	1800 U	380 U	500 U	26000 U	26000 U	2800 U	4700 U	7600 U	3900 U	1900 U	3800 U	5900 U
SW8270D	85-01-8	Phenanthrene	ug/kg	950 U	190	250 J	27000	75000	1200 J	640 J	33000	690 J	3500	61000	1800 J
SW8270D	108-95-2	Phenol	ug/kg	950 U	190 U	260 U	13000 U	13000 U	1500 U	2400 U	3900 U	2000 U	980 U	2000 U	3000 U
SW8270D	129-00-0	Pyrene	ug/kg	760 J	380	360	45000	67000	1300 J	1200 J	23000	1300 J	4200	54000	3400

				Location ID	PDI-SED-022		PDI-SED-023		PDI-SED-024		PDI-SED-025		PDI-SED-026		PDI-SED-027		PDI-SED-028	
				Sample ID	PDI-SED-022-66-72		PDI-SED-023-18-24		PDI-SED-024-3-9		PDI-SED-025-0-2		PDI-SED-026-0-3		PDI-SED-027-16-22		PDI-SED-028-14-20	
				Start Depth	66		18		3		0		0		16		14	
				End Depth	72		24		9		2		3		22		20	
				Depth Unit	in		in		in		in		in		in		in	
				Sample Date	10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/24/2023		10/23/2023	
				SDG	4802141871		4802141871		4802141871		4802141621		4802141621		4802141871		4802141621	
				Lab Sample Id	480-214187-7		480-214187-3		480-214187-6		480-214162-19		480-214162-22		480-214187-2		480-214162-1	
				Matrix	SE		SE		SE		SE		SE		SE		SE	
				Sample Type Code	N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/kg	56000	U	130000	U	240000	U	10000	U	10000	U	56000	U	9800	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	95-57-8	2-Chlorophenol	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/kg	10000		13000	U	19000	J	1000	U	1100	U	5800	U	1000	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	88-74-4	2-Nitroaniline	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	88-75-5	2-Nitrophenol	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	99-09-2	3-Nitroaniline	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	106-47-8	4-Chloroaniline	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	100-01-6	4-Nitroaniline	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	100-02-7	4-Nitrophenol	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	83-32-9	Acenaphthene	ug/kg	9600		13000	U	14000	J	1000	U	1100	U	4200	J	2200	
SW8270D	208-96-8	Acenaphthylene	ug/kg	1200	J	13000	U	4300	J	1000	U	1100	U	5800	U	800	J
SW8270D	98-86-2	Acetophenone	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	120-12-7	Anthracene	ug/kg	4000	J	13000	U	10000	J	1000	U	1100	U	5800	U	2100	
SW8270D	1912-24-9	Atrazine	ug/kg	5700	U	13000	U	25000	U	1000	UJ	1100	U	5800	U	1000	UJ
SW8270D	100-52-7	Benzaldehyde	ug/kg	5700	U	13000	U	25000	U	1000	UJ	1100	U	5800	U	1000	UJ
SW8270D	56-55-3	Benzo(A)Anthracene	ug/kg	3400	J	3700	J	8400	J	1000	U	200	J	820	J	2200	
SW8270D	50-32-8	Benzo(A)Pyrene	ug/kg	2700	J	3800	J	6900	J	1000	U	220	J	5800	U	2000	
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/kg	2500	J	3400	J	7200	J	1000	U	250	J	5800	U	1800	
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/kg	1400	J	2300	J	4100	J	1000	U	150	J	5800	U	940	J
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/kg	1200	J	2200	J	3800	J	1000	U	1100	U	5800	U	680	J
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	105-60-2	Caprolactam	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	86-74-8	Carbazole	ug/kg	1700	J	13000	U	25000	U	1000	U	1100	U	780	J	390	J
SW8270D	218-01-9	Chrysene	ug/kg	3100	J	3800	J	8200	J	1000	U	1100	U	5800	U	2100	
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	260	J
SW8270D	132-64-9	Dibenzofuran	ug/kg	1300	J	13000	U	25000	U	1000	U	1100	U	770	J	730	J
SW8270D	84-66-2	Diethyl Phthalate	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	206-44-0	Fluoranthene	ug/kg	6800		5500	J	17000	J	1000	U	290	J	1600	J	5000	
SW8270D	86-73-7	Fluorene	ug/kg	4800	J	13000	U	11000	J	1000	U	1100	U	2100	J	2000	
SW8270D	118-74-1	Hexachlorobenzene	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/kg	5700	UJ	13000	UJ	25000	UJ	1000	U	1100	UJ	5800	UJ	1000	U
SW8270D	67-72-1	Hexachloroethane	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/kg	1200	J	1900	J	3600	J	1000	U	1100	U	5800	U	920	J
SW8270D	78-59-1	Isophorone	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	91-20-3	Naphthalene	ug/kg	17000		13000	U	27000		1000	U	1100	U	1100	J	1000	U
SW8270D	98-95-3	Nitrobenzene	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	87-86-5	Pentachlorophenol	ug/kg	11000	U	25000	U	49000	U	2000	U	2000	U	11000	U	1900	U
SW8270D	85-01-8	Phenanthrene	ug/kg	14000		2500	J	34000		1000	U	190	J	5200	J	6700	
SW8270D	108-95-2	Phenol	ug/kg	5700	U	13000	U	25000	U	1000	U	1100	U	5800	U	1000	U
SW8270D	129-00-0	Pyrene	ug/kg	7600		6400	J	18000	J	1000	U	300	J	1900	J	4400	

		Location ID				
		Sample ID	EB-10232023		EB-10242023	
		Sample Date	10/23/2023		10/24/2023	
		SDG	4802141621		4802141621	
		Lab Sample Id	480-214162-23		480-214162-24	
		Matrix	WQ		WQ	
		Sample Type Code	EB		EB	
Method	CAS_RN	Chemical Name	Unit			
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L	5 U	5.2	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L	5 U	5.2	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L	5 U	5.2	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L	5 U	5.2	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L	10 U	10	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L	5 U	5.2	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L	5 U	5.2	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/L	5 U	5.2	U
SW8270D	95-57-8	2-Chlorophenol	ug/L	5 U	5.2	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/L	5 U	5.2	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L	5 U	5.2	U
SW8270D	88-74-4	2-Nitroaniline	ug/L	10 U	10	UJ
SW8270D	88-75-5	2-Nitrophenol	ug/L	5 U	5.2	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L	5 U	5.2	U
SW8270D	99-09-2	3-Nitroaniline	ug/L	10 U	10	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L	10 U	10	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L	5 U	5.2	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L	1.1 J	1.3	J
SW8270D	106-47-8	4-Chloroaniline	ug/L	5 U	5.2	U
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L	5 U	5.2	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L	10 U	10	U
SW8270D	100-01-6	4-Nitroaniline	ug/L	10 U	10	U
SW8270D	100-02-7	4-Nitrophenol	ug/L	10 U	10	UJ
SW8270D	83-32-9	Acenaphthene	ug/L	5 U	5.2	U
SW8270D	208-96-8	Acenaphthylene	ug/L	5 U	5.2	U
SW8270D	98-86-2	Acetophenone	ug/L	5 U	5.2	U
SW8270D	120-12-7	Anthracene	ug/L	5 U	5.2	U
SW8270D	1912-24-9	Atrazine	ug/L	5 U	5.2	U
SW8270D	100-52-7	Benzaldehyde	ug/L	5 U	5.2	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L	5 U	5.2	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L	5 U	5.2	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L	5 U	5.2	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L	5 U	5.2	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L	5 U	5.2	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L	5 U	5.2	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L	5 U	5.2	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L	5 U	5.2	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	5 U	5.2	UJ
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L	5 U	5.2	UJ
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L	5 U	5.2	U
SW8270D	105-60-2	Caprolactam	ug/L	5 U	5.2	U
SW8270D	86-74-8	Carbazole	ug/L	5 U	5.2	U
SW8270D	218-01-9	Chrysene	ug/L	5 U	5.2	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L	5 U	5.2	U
SW8270D	132-64-9	Dibenzofuran	ug/L	10 U	10	U
SW8270D	84-66-2	Diethyl Phthalate	ug/L	5 U	5.2	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/L	5 U	5.2	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L	5 U	5.2	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L	5 U	5.2	U
SW8270D	206-44-0	Fluoranthene	ug/L	5 U	5.2	U
SW8270D	86-73-7	Fluorene	ug/L	5 U	5.2	U
SW8270D	118-74-1	Hexachlorobenzene	ug/L	5 U	5.2	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/L	5 U	5.2	UJ
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L	5 UJ	5.2	U
SW8270D	67-72-1	Hexachloroethane	ug/L	5 U	5.2	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	5 U	5.2	U
SW8270D	78-59-1	Isophorone	ug/L	5 U	5.2	U
SW8270D	91-20-3	Naphthalene	ug/L	5 U	5.2	U
SW8270D	98-95-3	Nitrobenzene	ug/L	5 U	5.2	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L	5 U	5.2	UJ
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L	5 U	5.2	U
SW8270D	87-86-5	Pentachlorophenol	ug/L	10 UJ	10	U
SW8270D	85-01-8	Phenanthrene	ug/L	5 U	5.2	U
SW8270D	108-95-2	Phenol	ug/L	5 U	5.2	U
SW8270D	129-00-0	Pyrene	ug/L	5 U	5.2	U

ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR GROUNDWATER SAMPLES

		Location ID	EB-010924		EB-011024-1		EB-111623-1		EB-121823-1		EB-121923		EB-122023-1		EB-122123-01		FB-010924		FB-011024-1		FB-111623-1	
		Sample ID	1/9/2024		1/10/2024		11/16/2023		12/18/2023		12/19/2023		12/20/2023		12/21/2023		1/9/2024		1/10/2024		11/16/2023	
		Sample Date	4802163091		4802163341		4802150081		4802158471		4802159071		4802159351		4802159801		4802163091		4802163341		4802150081	
		SDG	480-216309-7		480-216334-8		480-215008-3		480-215847-3		480-215907-4		480-215935-5		480-215980-7		480-216309-6		480-216334-7		480-215008-4	
		Lab Sample ID	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ	
		Matrix	EB		EB		EB		EB		EB		EB		EB		FB		FB		FB	
		Sample Type Code																				
Method	CAS_RN	Chemical Name	Unit																			
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/l	4.6	U	4.5	U	7.7	U	7.5	U	7.2	U	7.2	U	4.8	U	4.5	U	4.6	U	7.3	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	18	U	18	U	19	U	19	U	18	U	18	U	19	U	18	U	19	U	18	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	9.1	U	9	U	19	U	19	U	18	U	18	U	9.5	U	9	U	9.3	U	18	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l	1.8	U	1.8	U	3.8	U	3.7	U	3.6	U	3.6	U	1.9	U	1.8	U	1.9	U	3.7	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ng/l	18	U	18	U	48	U	47	U	45	U	45	U	19	U	18	U	19	U	46	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ng/l	18	U	18	U	48	U	47	U	45	U	45	U	19	U	18	U	19	U	46	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ng/l	9.1	U	9	U	9.6	U	9.3	U	9	U	9	U	9.5	U	9	U	9.3	U	9.2	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/l	1.8	U	1.8	U	7.7	U	7.5	U	7.2	U	7.2	U	1.9	U	1.8	U	1.9	U	7.3	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/l	4.6	U	4.5	UJ	7.7	U	7.5	U	7.2	U	7.2	UJ	4.8	U	4.5	U	4.6	UJ	7.3	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ng/l	1.8	U	1.8	U	3.8	U	3.7	U	3.6	U	3.6	U	1.9	U	1.8	U	1.9	U	3.7	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ng/l	4.6	U	4.5	U	3.8	U	3.7	U	3.6	U	3.6	U	4.8	U	4.5	U	4.6	U	3.7	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ng/l	1.8	U	1.8	U	7.7	U	7.5	U	7.2	U	7.2	U	1.9	U	1.8	U	1.9	U	7.3	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ng/l	4.6	U	4.5	U	3.8	U	3.7	U	3.6	U	3.6	U	4.8	U	4.5	U	4.6	U	3.7	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ng/l	4.6	U	4.5	U	3.8	U	3.7	U	3.6	U	3.6	U	4.8	U	4.5	U	4.6	U	3.7	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	375-22-4	Perfluorobutanoic Acid	ng/l	1.8	U	1.8	U	7.7	U	7.5	U	7.2	U	7.2	U	1.9	U	1.8	U	1.9	U	7.3	U
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l	1.8	U	0.51	J	1.9	U	0.66	J	1.8	U	1.1	J	1.9	U	1.8	U	0.57	J	1.8	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l	1.1	J	0.71	JN	3.8	U	3.7	U	3.6	U	3.6	U	1.9	U	1.3	J	1.4	J	3.7	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l	1.8	U	1.8	U	1.9	U	1.9	U	1.8	U	1.8	U	1.9	U	1.8	U	1.9	U	1.8	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l	9.1	U	9	U	7.7	U	7.5	U	7.2	U	7.2	U	9.5	U	9	U	9.3	U	7.3	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ng/l	4.6	U	4.5	U	7.7	U	7.5	U	7.2	U	7.2	U	4.8	U	4.5	U	4.6	U	7.3	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l	9.1	U	9	U	7.7	U	7.5	U	7.2	U	7.2	U	9.5	U	9	U	9.3	U	7.3	U
E1664B	OILGREASE	Oil & Grease, Total Rec	mg/L					5.2		4.7	U											2.4	J
E300.0	14808-79-8	Sulfate (As SO4)	mg/L					1	J	20	U											2	
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L					0.041	J	0.05	U											0.066	
E353.2	NO3NO2N	Nitrogen, Nitrate-Nitrite	mg/L					0.064		0.05	U											0.066	
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L					0.05	U	0.05	U											0.05	U
RSK175	74-84-0	Ethane	ug/L					7.5	U	7.5	U											7.5	U
RSK175	74-85-1	Ethene	ug/L					7	U	7	U											7	U
RSK175	74-82-8	Methane	ug/L					4	U	4	U											4	U
SW6010C	7429-90-5	Aluminum	mg/L					0.2	U	0.2	U											0.2	U
SW6010C	7440-36-0	Antimony	mg/L					0.02	U	0.02	U											0.02	U
SW6010C	7440-38-2	Arsenic	mg/L					0.015	U	0.015	U											0.015	U
SW6010C	7440-39-3	Barium	mg/L					0.002	U	0.002	U											0.002	U
SW6010C	7440-41-7	Beryllium	mg/L					0.002	U	0.002	U											0.002	U
SW6010C	7440-43-9	Cadmium	mg/L					0.002	U	0.002	U											0.002	U
SW6010C	7440-70-2	Calcium	mg/L					0.5	U	0.5	U											0.11	J
SW6010C	7440-47-3	Chromium, Total	mg/L					0.004	U	0.004	U											0.004	U
SW6010C	7440-48-4	Cobalt	mg/L					0.004	U	0.004	U											0.004	U
SW6010C	7440-50-8	Copper	mg/L					0.01	U	0.01	U											0.01	U
SW6010C	7439-89-6	Iron	mg/L					0.05	U	0.05	U											0.05	U
SW6010C	7439-92-1	Lead	mg/L					0.01	U	0.01	U											0.01	U
SW6010C	7439-95-4	Magnesium	mg/L					0.2	U	0.2	U											0.2	U
SW6010C	7439-96-5	Manganese	mg/L					0.003	U	0.003	U											0.00045	J
SW6010C	7440-02-0	Nickel	mg/L					0.01	U	0.01	U											0.01	U
SW6010C	7440-09-7	Potassium	mg/L					0.5	U	0.5	U											0.5	U
SW6010C	7782-49-2	Selenium	mg/L					0.025	U	0.025	U											0.025	U
SW6010C	7440-22-4	Silver	mg/L					0.006	U	0.006	U											0.006	U
SW6010C	7440-23-5	Sodium	mg/L					0.95	J	1	U											0.93	J
SW6010C	7440-28-0	Thallium	mg/L					0.02	U	0.02	U											0.02	U
SW6010C	7440-62-2	Vanadium	mg/L					0.005	U	0.005	U											0.005	U

		Location ID	EB-010924		EB-011024-1		EB-111623-1		EB-121823-1		EB-121923		EB-122023-1		EB-122123-01		FB-010924		FB-011024-1		FB-111623-1	
		Sample ID	1/9/2024		1/10/2024		11/16/2023		12/18/2023		12/19/2023		12/20/2023		12/21/2023		1/9/2024		1/10/2024		11/16/2023	
		Sample Date	4802163091		4802163341		4802150081		4802158471		4802159071		4802159351		4802159801		4802163091		4802163341		4802150081	
		SDG	480-216309-7		480-216334-8		480-215008-3		480-215847-3		480-215907-4		480-215935-5		480-215980-7		480-216309-6		480-216334-7		480-215008-4	
		Lab Sample ID	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ	
		Matrix	EB		EB		EB		EB		EB		EB		EB		FB		FB		FB	
Method	CAS_RN	Chemical Name	Unit																			
SW6010C	7440-66-6	Zinc	mg/L				0.01	U	0.01	U											0.01	U
SW7470A	7439-97-6	Mercury	mg/L				0.0002	U	0.0002	U											0.0002	U
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/L				1	U	1	U											1	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L				1	U	1	U											1	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L				1	U	1	U											1	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/L				1	U	1	U											1	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/L				1	U	1	U											1	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/L				1	U	1	U											1	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L				1	U	1	U											1	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L				1	U	1	U											1	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L				1	U	1	U											1	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/L				1	U	1	U											1	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/L				1	U	1	U											1	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/L				1	U	1	U											1	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/L				1	U	1	U											1	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/L				1	U	1	U											1	U
SW8260C	591-78-6	2-Hexanone	ug/L				5	U	5	U											5	U
SW8260C	67-64-1	Acetone	ug/L				10	U	10	U											10	U
SW8260C	71-43-2	Benzene	ug/L				1	U	1	U											1	U
SW8260C	75-27-4	Bromodichloromethane	ug/L				1.6		1	U											1.8	
SW8260C	75-25-2	Bromoform	ug/L				1	U	1	U											1	U
SW8260C	74-83-9	Bromomethane	ug/L				1	U	1	U											1	U
SW8260C	75-15-0	Carbon Disulfide	ug/L				1	U	1	U											1	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/L				1	U	1	U											1	U
SW8260C	108-90-7	Chlorobenzene	ug/L				1	U	1	U											1	U
SW8260C	75-00-3	Chloroethane	ug/L				1	U	1	U											1	U
SW8260C	67-66-3	Chloroform	ug/L				4.9		1.5												5.2	
SW8260C	74-87-3	Chloromethane	ug/L				1	U	1	U											1	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/L				1	U	1	U											1	U
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/L				1	U	1	U											1	U
SW8260C	110-82-7	Cyclohexane	ug/L				1	U	1	U											1	U
SW8260C	124-48-1	Dibromochloromethane	ug/L				1	U	1	U											1	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/L				1	U	1	U											1	U
SW8260C	100-41-4	Ethylbenzene	ug/L				1	U	1	U											1	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/L				1	U	1	U											1	U
SW8260C	79-20-9	Methyl Acetate	ug/L				2.5	U	2.5	U											2.5	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L				10	U	10	U											10	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L				5	U	5	U											5	U
SW8260C	108-87-2	Methylcyclohexane	ug/L				1	U	1	U											1	U
SW8260C	75-09-2	Methylene Chloride	ug/L				1	U	1	U											1	U
SW8260C	100-42-5	Styrene	ug/L				1	U	1	U											1	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/L				1	U	1	U											1	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/L				1	U	1	U											1	U
SW8260C	108-88-3	Toluene	ug/L				3.3		1	U											3.5	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/L				1	U	1	U											1	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/L				1	U	1	U											1	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/L				1	U	1	U											1	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/L				1	U	1	U											1	U
SW8260C	75-01-4	Vinyl Chloride	ug/L				1	U	1	U											1	U
SW8260C	1330-20-7	Xylenes	ug/L				1.2	J	2	U											1.2	J
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L				5	U	5	U											5	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L				5	U	5	U											5	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L				5	U	5	U											5	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L				5	U	5	U											5	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L				10	U	10	UJ											10	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L				5	U	5	U											5	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L				5	U	5	U											5	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/L				5	U	5	U											5	U
SW8270D	95-57-8	2-Chlorophenol	ug/L				5	U	5	U											5	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/L				5	U	5	U											5	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L				5	U	5	U											5	U
SW8270D	88-74-4	2-Nitroaniline	ug/L				10	U	10	U											10	U
SW8270D	88-75-5	2-Nitrophenol	ug/L				5	U	5	U											5	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L				5	U	5	U											5	U
SW8270D	99-09-2	3-Nitroaniline	ug/L				10	U	10	U											10	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L				10	U	10	UJ											10	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L				5	U	5	U											5	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L				5	U	5	U											5	U
SW8270D	106-47-8	4-Chloroaniline	ug/L				5	U	5	U											5	U

		Location ID	EB-010924		EB-011024-1		EB-111623-1		EB-121823-1		EB-121923		EB-122023-1		EB-122123-01		FB-010924		FB-011024-1		FB-111623-1	
		Sample ID	1/9/2024		1/10/2024		11/16/2023		12/18/2023		12/19/2023		12/20/2023		12/21/2023		1/9/2024		1/10/2024		11/16/2023	
		Sample Date	4802163091		4802163341		4802150081		4802158471		4802159071		4802159351		4802159801		4802163091		4802163341		4802150081	
		SDG	480-216309-7		480-216334-8		480-215008-3		480-215847-3		480-215907-4		480-215935-5		480-215980-7		480-216309-6		480-216334-7		480-215008-4	
		Lab Sample ID	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ	
		Matrix	EB		EB		EB		EB		EB		EB		EB		FB		FB		FB	
Method	CAS_RN	Chemical Name	Unit																			
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L				5	U	5	U											5	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L				10	U	10	U											10	U
SW8270D	100-01-6	4-Nitroaniline	ug/L				10	U	10	U											10	U
SW8270D	100-02-7	4-Nitrophenol	ug/L				10	U	10	U											10	U
SW8270D	83-32-9	Acenaphthene	ug/L				5	U	5	U											5	U
SW8270D	208-96-8	Acenaphthylene	ug/L				5	U	5	U											5	U
SW8270D	98-86-2	Acetophenone	ug/L				5	U	5	U											5	U
SW8270D	120-12-7	Anthracene	ug/L				5	U	5	U											5	U
SW8270D	1912-24-9	Atrazine	ug/L				5	U	5	U											5	U
SW8270D	100-52-7	Benzaldehyde	ug/L				5	U	5	U											5	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L				5	U	5	U											5	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L				5	U	5	U											5	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L				5	U	5	U											5	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L				5	U	5	U											5	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L				5	U	5	U											5	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L				5	U	5	U											5	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L				5	U	5	U											5	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L				5	U	5	U											5	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L				5	U	5	U											5	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L				5	U	5	UJ											5	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L				5	U	5	U											5	U
SW8270D	105-60-2	Caprolactam	ug/L				5	U	5	U											5	U
SW8270D	86-74-8	Carbazole	ug/L				5	U	5	U											5	U
SW8270D	218-01-9	Chrysene	ug/L				5	U	5	U											5	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L				5	U	5	U											5	U
SW8270D	132-64-9	Dibenzofuran	ug/L				10	U	10	U											10	U
SW8270D	84-66-2	Diethyl Phthalate	ug/L				5	U	5	U											5	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/L				5	U	5	U											5	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L				5	U	5	U											5	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L				5	U	5	U											5	U
SW8270D	206-44-0	Fluoranthene	ug/L				5	U	5	U											5	U
SW8270D	86-73-7	Fluorene	ug/L				5	U	5	U											5	U
SW8270D	118-74-1	Hexachlorobenzene	ug/L				5	U	5	U											5	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/L				5	U	5	U											5	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L				5	U	5	UJ											5	U
SW8270D	67-72-1	Hexachloroethane	ug/L				5	U	5	U											5	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L				5	U	5	U											5	U
SW8270D	78-59-1	Isophorone	ug/L				5	U	5	U											5	U
SW8270D	91-20-3	Naphthalene	ug/L				5	U	5	U											5	U
SW8270D	98-95-3	Nitrobenzene	ug/L				5	U	5	U											5	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L				5	U	5	U											5	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L				5	U	5	U											5	U
SW8270D	87-86-5	Pentachlorophenol	ug/L				10	U	10	UJ											10	U
SW8270D	85-01-8	Phenanthrene	ug/L				5	U	5	U											5	U
SW8270D	108-95-2	Phenol	ug/L				5	U	5	U											5	U
SW8270D	129-00-0	Pyrene	ug/L				5	U	5	U											5	U
SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	ug/L				0.21	U	0.2	U											0.2	U
SW9060	TOC	Total Organic Carbon	mg/L				1	U	1	U											1	U

		Location ID																					
		Sample ID	FB-111723-1		FB-121823-1		FB-121923		FB-122023-1		FB-122123-01		TB-010924		TB-011024-1		TB-11-15-23-1		TB-111623-1		TB-111723-1	
		Sample Date	11/17/2023		12/18/2023		12/19/2023		12/20/2023		12/21/2023		1/9/2024		1/10/2024		11/15/2023		11/16/2023		11/17/2023	
		SDG	4802150141		4802158471		4802159071		4802159351		4802159801		4802163091		4802163341		4802149841		4802150081		4802150141	
		Lab Sample ID	480-215014-3		480-215847-4		480-215907-5		480-215935-6		480-215980-6		480-216309-8		480-216334-6		480-214984-2		480-215008-5		480-215014-4	
		Matrix	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ	
		Sample Type Code	FB		FB		FB		FB		FB		TB		TB		TB		TB		TB	
Method	CAS_RN	Chemical Name	Unit																			
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/l	7.1	U	7	U	6.9	U	7.7	U	4.7	U										
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	18	U	18	U	17	U	19	U	19	U										
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	18	U	18	U	17	U	19	U	9.4	U										
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l	3.6	U	3.5	U	3.4	U	3.9	U	1.9	U										
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ng/l	45	U	44	U	43	U	48	U	19	U										
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ng/l	45	U	44	U	43	U	48	U	19	U										
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ng/l	8.9	U	8.8	U	8.6	U	9.7	U	9.4	U										
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/l	7.1	U	7	U	6.9	U	7.7	U	1.9	U										
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/l	7.1	U	7	U	6.9	U	7.7	UJ	4.7	U										
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ng/l	3.6	U	3.5	U	3.4	U	3.9	U	1.9	U										
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ng/l	3.6	U	3.5	U	3.4	U	3.9	U	4.7	U										
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ng/l	7.1	U	7	U	6.9	U	7.7	U	1.9	U										
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ng/l	3.6	U	3.5	U	3.4	U	3.9	U	4.7	U										
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ng/l	3.6	U	3.5	U	3.4	U	3.9	U	4.7	U										
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	375-22-4	Perfluorobutanoic Acid	ng/l	7.1	U	7	U	6.9	U	7.7	U	1.9	U										
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l	1.8	U	0.58	J	0.57	J	1.9	U	1.1	J										
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l	3.6	U	3.5	U	3.4	U	3.9	U	1.9	U										
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l	1.8	U	1.8	U	1.7	U	1.9	U	1.9	U										
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l	7.1	U	7	U	6.9	U	7.7	U	9.4	U										
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ng/l	7.1	U	7	U	6.9	U	7.7	U	4.7	U										
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l	7.1	U	7	U	6.9	U	7.7	U	9.4	U										
E1664B	OILGREASE	Oil & Grease, Total Rec	mg/L	2.5	J																		
E300.0	14808-79-8	Sulfate (As SO4)	mg/L	0.58	J																		
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L	0.05	U																		
E353.2	NO3NO2N	Nitrogen, Nitrate-Nitrite	mg/L	0.05	U																		
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L	0.05	U																		
RSK175	74-84-0	Ethane	ug/L	7.5	U																		
RSK175	74-85-1	Ethene	ug/L	7	U																		
RSK175	74-82-8	Methane	ug/L	4	U																		
SW6010C	7429-90-5	Aluminum	mg/L	0.2	U																		
SW6010C	7440-36-0	Antimony	mg/L	0.02	U																		
SW6010C	7440-38-2	Arsenic	mg/L	0.015	U																		
SW6010C	7440-39-3	Barium	mg/L	0.002	U																		
SW6010C	7440-41-7	Beryllium	mg/L	0.002	U																		
SW6010C	7440-43-9	Cadmium	mg/L	0.002	U																		
SW6010C	7440-70-2	Calcium	mg/L	0.5	U																		
SW6010C	7440-47-3	Chromium, Total	mg/L	0.004	U																		
SW6010C	7440-48-4	Cobalt	mg/L	0.004	U																		
SW6010C	7440-50-8	Copper	mg/L	0.01	U																		
SW6010C	7439-89-6	Iron	mg/L	0.05	U																		
SW6010C	7439-92-1	Lead	mg/L	0.01	U																		
SW6010C	7439-95-4	Magnesium	mg/L	0.2	U																		
SW6010C	7439-96-5	Manganese	mg/L	0.00065	J																		
SW6010C	7440-02-0	Nickel	mg/L	0.01	U																		
SW6010C	7440-09-7	Potassium	mg/L	0.5	U																		
SW6010C	7782-49-2	Selenium	mg/L	0.025	U																		
SW6010C	7440-22-4	Silver	mg/L	0.006	U																		
SW6010C	7440-23-5	Sodium	mg/L	1	U																		
SW6010C	7440-28-0	Thallium	mg/L	0.02	U																		
SW6010C	7440-62-2	Vanadium	mg/L	0.005	U																		

		Location ID																							
		Sample ID	FB-111723-1		FB-121823-1		FB-121923		FB-122023-1		FB-122123-01		TB-010924		TB-011024-1		TB-11-15-23-1		TB-111623-1		TB-111723-1				
		Sample Date	11/17/2023		12/18/2023		12/19/2023		12/20/2023		12/21/2023		1/9/2024		1/10/2024		11/15/2023		11/16/2023		11/17/2023				
		SDG	4802150141		4802158471		4802159071		4802159351		4802159801		4802163091		4802163341		4802149841		4802150081		4802150141				
		Lab Sample ID	480-215014-3		480-215847-4		480-215907-5		480-215935-6		480-215980-6		480-216309-8		480-216334-6		480-214984-2		480-215008-5		480-215014-4				
		Matrix	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ				
		Sample Type Code	FB		FB		FB		FB		FB		TB		TB		TB		TB		TB				
Method	CAS_RN	Chemical Name	Unit																						
SW6010C	7440-66-6	Zinc	mg/L	0.01	U																				
SW7470A	7439-97-6	Mercury	mg/L	0.0002	U																				
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-34-3	1,1-Dichloroethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-35-4	1,1-Dichloroethene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	107-06-2	1,2-Dichloroethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	78-87-5	1,2-Dichloropropane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	591-78-6	2-Hexanone	ug/L	5	U								5	U	5	U	5	U	5	U	5	U			
SW8260C	67-64-1	Acetone	ug/L	10	U								10	U	10	U	3.3	J	10	U	10	U			
SW8260C	71-43-2	Benzene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-27-4	Bromodichloromethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-25-2	Bromoform	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	74-83-9	Bromomethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-15-0	Carbon Disulfide	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	56-23-5	Carbon Tetrachloride	ug/L	1	U								1	U	1	U	1	UJ	1	U	1	U			
SW8260C	108-90-7	Chlorobenzene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-00-3	Chloroethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	67-66-3	Chloroform	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	74-87-3	Chloromethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	110-82-7	Cyclohexane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	124-48-1	Dibromochloromethane	ug/L	1	U								1	U	1	U	1	UJ	1	U	1	U			
SW8260C	75-71-8	Dichlorodifluoromethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	100-41-4	Ethylbenzene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	79-20-9	Methyl Acetate	ug/L	2.5	U								2.5	U	2.5	U	2.5	U	2.5	U	2.5	U			
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	2.3	J								10	U	10	U	10	U	10	U	10	U			
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L	5	U								5	U	5	U	5	U	5	U	5	U			
SW8260C	108-87-2	Methylcyclohexane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-09-2	Methylene Chloride	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	100-42-5	Styrene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	108-88-3	Toluene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-69-4	Trichlorofluoromethane	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	75-01-4	Vinyl Chloride	ug/L	1	U								1	U	1	U	1	U	1	U	1	U			
SW8260C	1330-20-7	Xylenes	ug/L	2	U								2	U	2	U	2	U	2	U	2	U			
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L	5	U																				
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L	5	U																				
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L	5	U																				
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L	5	U																				
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L	10	U																				
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L	5	U																				
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L	5	U																				
SW8270D	91-58-7	2-Chloronaphthalene	ug/L	5	U																				
SW8270D	95-57-8	2-Chlorophenol	ug/L	5	U																				
SW8270D	91-57-6	2-Methylnaphthalene	ug/L	5	U																				
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L	5	U																				
SW8270D	88-74-4	2-Nitroaniline	ug/L	10	U																				
SW8270D	88-75-5	2-Nitrophenol	ug/L	5	U																				
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L	5	U																				
SW8270D	99-09-2	3-Nitroaniline	ug/L	10	U																				
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L	10	U																				
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L	5	U																				
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L	5	U																				
SW8270D	106-47-8	4-Chloroaniline	ug/L	5	U																				

			Location ID	FB-111723-1		FB-121823-1		FB-121923		FB-122023-1		FB-122123-01		TB-010924		TB-011024-1		TB-11-15-23-1		TB-111623-1		TB-111723-1	
			Sample ID	11/17/2023		12/18/2023		12/19/2023		12/20/2023		12/21/2023		1/9/2024		1/10/2024		11/15/2023		11/16/2023		11/17/2023	
			Sample Date	4802150141		4802158471		4802159071		4802159351		4802159801		4802163091		4802163341		4802149841		4802150081		4802150141	
			SDG	480-215014-3		480-215847-4		480-215907-5		480-215935-6		480-215980-6		480-216309-8		480-216334-6		480-214984-2		480-215008-5		480-215014-4	
			Lab Sample ID	WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ		WQ	
			Matrix	FB		FB		FB		FB		FB		TB		TB		TB		TB		TB	
			Sample Type Code																				
Method	CAS_RN	Chemical Name	Unit																				
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L	5	U																		
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L	10	U																		
SW8270D	100-01-6	4-Nitroaniline	ug/L	10	U																		
SW8270D	100-02-7	4-Nitrophenol	ug/L	10	U																		
SW8270D	83-32-9	Acenaphthene	ug/L	5	U																		
SW8270D	208-96-8	Acenaphthylene	ug/L	5	U																		
SW8270D	98-86-2	Acetophenone	ug/L	5	U																		
SW8270D	120-12-7	Anthracene	ug/L	5	U																		
SW8270D	1912-24-9	Atrazine	ug/L	5	U																		
SW8270D	100-52-7	Benzaldehyde	ug/L	5	U																		
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L	5	U																		
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L	5	U																		
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L	5	U																		
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L	5	U																		
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L	5	U																		
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L	5	U																		
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L	5	U																		
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L	5	U																		
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	5	U																		
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L	5	U																		
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L	5	U																		
SW8270D	105-60-2	Caprolactam	ug/L	5	U																		
SW8270D	86-74-8	Carbazole	ug/L	5	U																		
SW8270D	218-01-9	Chrysene	ug/L	5	U																		
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L	5	U																		
SW8270D	132-64-9	Dibenzofuran	ug/L	10	U																		
SW8270D	84-66-2	Diethyl Phthalate	ug/L	5	U																		
SW8270D	131-11-3	Dimethyl Phthalate	ug/L	5	U																		
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L	5	U																		
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L	5	U																		
SW8270D	206-44-0	Fluoranthene	ug/L	5	U																		
SW8270D	86-73-7	Fluorene	ug/L	5	U																		
SW8270D	118-74-1	Hexachlorobenzene	ug/L	5	U																		
SW8270D	87-68-3	Hexachlorobutadiene	ug/L	5	U																		
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L	5	U																		
SW8270D	67-72-1	Hexachloroethane	ug/L	5	U																		
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	5	U																		
SW8270D	78-59-1	Isophorone	ug/L	5	U																		
SW8270D	91-20-3	Naphthalene	ug/L	5	U																		
SW8270D	98-95-3	Nitrobenzene	ug/L	5	U																		
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L	5	U																		
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L	5	U																		
SW8270D	87-86-5	Pentachlorophenol	ug/L	10	U																		
SW8270D	85-01-8	Phenanthrene	ug/L	5	U																		
SW8270D	108-95-2	Phenol	ug/L	5	U																		
SW8270D	129-00-0	Pyrene	ug/L	5	U																		
SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	ug/L	0.42	UJ																		
SW9060	TOC	Total Organic Carbon	mg/L	1	U																		

		Location ID			PDI-OFFGW-DW-12-01M		PDI-OFFGW-DW-12-01R		PDI-OFFGW-DW-12-02M		PDI-OFFGW-SW-10-02		PDI-OFFGW-SW-10-07		PDI-OFFGW-SW-10-08		PDI-OFFGW-SW-12-01	
		Sample ID	TB-122123-01		PDI-OFFGW-DW-12-01M-010924		PDI-OFFGW-DW-12-01R-010924		PDI-OFFGW-DW-12-02M-010924		PDI-OFFGW-SW-10-02-111523		PDI-OFFGW-SW-10-07-111623		PDI-OFFGW-SW-10-08-111623		PDI-OFFGW-SW-12-01-011024	
		Sample Date	12/21/2023		1/9/2024		1/9/2024		1/9/2024		11/15/2023		11/16/2023		11/16/2023		1/10/2024	
		SDG	4802159801		4802163091		4802163091		4802163091		4802149841		4802150081		4802150081		4802163341	
		Lab Sample ID	480-215980-8		480-216309-4		480-216309-2		480-216309-1		480-214984-1		480-215008-1		480-215008-2		480-216334-3	
		Matrix	WQ		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	TB		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/l		10	U	10	U	25	U	7	U	7.3	U	7.6	U	4.9	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/l		40	U	40	U	99	U	18	U	200	U	200	U	19	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/l		20	U	20	U	50	U	18	U	18	UJ	200	U	9.7	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l		4	U	4	U	9.9	U	3.5	U	3.7	U	3.8	U	1.9	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ng/l		40	U	40	U	99	U	44	U	46	U	48	U	19	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ng/l		40	U	40	U	99	U	44	U	46	U	48	U	19	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ng/l		20	U	20	U	50	U	8.8	U	9.2	U	9.5	U	9.7	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/l		4	U	4	U	9.9	U	7	U	7.3	U	7.6	U	1.9	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/l		10	U	10	U	25	U	7	U	7.3	U	7.6	U	4.9	UJ
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ng/l		4	U	4	U	9.9	U	3.5	U	3.7	U	3.8	U	1.9	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ng/l		10	U	10	U	25	U	3.5	U	3.7	U	3.8	U	4.9	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ng/l		4	U	4	U	9.9	U	7	U	7.3	U	7.6	U	1.9	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ng/l		10	U	10	U	25	U	3.5	U	3.7	U	3.8	U	4.9	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ng/l		10	U	10	U	25	U	3.5	U	3.7	U	3.8	U	4.9	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	3.7	J
E1633	375-22-4	Perfluorobutanoic Acid	ng/l		9		15		9.9	U	7		14		9.4		9.3	
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	UJ	1.9	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l		0.61	J	1.1	J	9.9	U	0.66	J	1.6	J	1.1	J	1.8	J
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l		0.68	J	1.1	J	9.9	U	1.2	J	2.1		1.3	J	6.4	
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l		4	U	4	U	9.9	U	1.8	U	1.3	J	1.5	J	1.8	J
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ng/l		4	U	4	U	9.9	U	1.8	U	0.49	J	1.9	U	0.56	J
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	0.22	J
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l		0.85	J	0.82	J	9.9	U	4.1		7		8.1		13	
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l		2.2	J	2.7	J	9.9	U	2.1		4.4		3.1		5.9	
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	0.58	JN
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l		1.5	JN	4.9		9.9	U	1	JN	1.8	JN	2.8	JN	2.8	J
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	20	U	1.9	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	20	U	1.9	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l		4	U	4	U	9.9	U	1.8	U	1.8	U	1.9	U	1.9	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l		20	U	20	U	50	U	7	U	7.3	U	7.6	U	9.7	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ng/l		10	U	10	U	25	U	7	U	7.3	U	7.6	U	4.9	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l		20	U	20	U	50	U	7	U	7.3	U	7.6	U	9.7	U
E1664B	OILGREASE	Oil & Grease, Total Rec	mg/L		3.5	J	6.3	U	4.5	J	1.9	J	5.2	U	5.2	U	3.7	J
E300.0	14808-79-8	Sulfate (As SO4)	mg/L		78.1		79.9		418		212		112		24.2		165	
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L		1.7		0.038	J	0.038	J	2.9		3.5		0.05	U	0.14	
E353.2	NO3NO2N	Nitrogen, Nitrate-Nitrite	mg/L		2		0.038	J	0.038	J	2.9		3.5		0.05	U	0.17	
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L		0.3		0.05	U	0.05	U	0.035	J	0.034	J	0.05	U	0.029	J
RSK175	74-84-0	Ethane	ug/L		330	U	830	U	4	J	7.5	U	170	U	330	U	7.5	U
RSK175	74-85-1	Ethene	ug/L		310	U	770	U	3.4	J	7	U	150	U	310	U	7	U
RSK175	74-82-8	Methane	ug/L		3000		17000		29		1	J	490		4400		31	
SW6010C	7429-90-5	Aluminum	mg/L		0.2	U	0.073	J	0.12	J	0.2	U	0.2	U	0.27		0.2	U
SW6010C	7440-36-0	Antimony	mg/L		0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
SW6010C	7440-38-2	Arsenic	mg/L		0.015	U	0.015	U	0.012	J	0.27		0.22		0.015	U	0.0058	J
SW6010C	7440-39-3	Barium	mg/L		1.1		3		0.066		0.048		0.097		0.38		0.12	
SW6010C	7440-41-7	Beryllium	mg/L		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
SW6010C	7440-43-9	Cadmium	mg/L		0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
SW6010C	7440-70-2	Calcium	mg/L		99.3		179		28.1		78.9		189		162		125	
SW6010C	7440-47-3	Chromium, Total	mg/L		0.014		0.0024	J	0.016		0.0024	J	0.004	U	0.0015	J	0.0011	J
SW6010C	7440-48-4	Cobalt	mg/L		0.004	U	0.004	U	0.004	U	0.0015	J	0.0017	J	0.004	U	0.0048	
SW6010C	7440-50-8	Copper	mg/L		0.0038	J	0.0034	J	0.0038	J	0.01	U	0.0045	J	0.01	U	0.0054	J
SW6010C	7439-89-6	Iron	mg/L		0.48		0.47		0.4		0.88		0.86		0.8		3.8	
SW6010C	7439-92-1	Lead	mg/L		0.01	U	0.01	U	0.01	U	0.01	U	0.003	J	0.01	U	0.01	U
SW6010C	7439-95-4	Magnesium	mg/L		37.9		61.7		2.1		121		83.4		49		60.8	
SW6010C	7439-96-5	Manganese	mg/L		0.067		0.036		0.0023	J	0.0017	J	0.54	J+	0.27	J+	0.59	
SW6010C	7440-02-0	Nickel	mg/L		0.0018	J	0.0014	J	0.01	U	0.01	U	0.0045	J	0.0018	J	0.0023	J
SW6010C	7440-09-7	Potassium	mg/L		55.8		29.5	J	40.7		5.9		8.1		10.8		9.7	
SW6010C	7782-49-2	Selenium	mg/L		0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
SW6010C	7440-22-4	Silver	mg/L		0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U
SW6010C	7440-23-5	Sodium	mg/L		276		1080	J	1300		513		207		320		499	
SW6010C	7440-28-0	Thallium	mg/L		0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
SW6010C	7440-62-2	Vanadium	mg/L		0.005	U	0.005	U	0.0028	J	0.005	U	0.003	J	0.005	U	0.005	U

		Location ID		PDI-OFFGW-DW-12-01M		PDI-OFFGW-DW-12-01R		PDI-OFFGW-DW-12-02M		PDI-OFFGW-SW-10-02		PDI-OFFGW-SW-10-07		PDI-OFFGW-SW-10-08		PDI-OFFGW-SW-12-01	
		Sample ID	TB-122123-01	PDI-OFFGW-DW-12-01M-010924		PDI-OFFGW-DW-12-01R-010924		PDI-OFFGW-DW-12-02M-010924		PDI-OFFGW-SW-10-02-111523		PDI-OFFGW-SW-10-07-111623		PDI-OFFGW-SW-10-08-111623		PDI-OFFGW-SW-12-01-011024	
		Sample Date	12/21/2023	1/9/2024		1/9/2024		1/9/2024		11/15/2023		11/16/2023		11/16/2023		1/10/2024	
		SDG	4802159801	4802163091		4802163091		4802163091		4802149841		4802150081		4802150081		4802163341	
		Lab Sample ID	480-215980-8	480-216309-4		480-216309-2		480-216309-1		480-214984-1		480-215008-1		480-215008-2		480-216334-3	
		Matrix	WQ	WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	TB	N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit														
SW6010C	7440-66-6	Zinc	mg/L	0.005	J	0.0023	J	0.0018	J	0.01	U	0.01	U	0.0024	J	0.0065	J
SW7470A	7439-97-6	Mercury	mg/L	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	591-78-6	2-Hexanone	ug/L	400	U	2500	U	25	U	10	U	10	U	40	U	10	U
SW8260C	67-64-1	Acetone	ug/L	800	U	5000	U	53		20	U	20	U	80	U	20	U
SW8260C	71-43-2	Benzene	ug/L	2600		19000		150		2	U	2	U	320		2	U
SW8260C	75-27-4	Bromodichloromethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	75-25-2	Bromoform	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	74-83-9	Bromomethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	75-15-0	Carbon Disulfide	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/L	80	U	500	U	5	U	2	UJ	2	U	8	U	2	U
SW8260C	108-90-7	Chlorobenzene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	75-00-3	Chloroethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	67-66-3	Chloroform	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	74-87-3	Chloromethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	110-82-7	Cyclohexane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	124-48-1	Dibromochloromethane	ug/L	80	U	500	U	5	U	2	UJ	2	U	8	U	2	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	100-41-4	Ethylbenzene	ug/L	1200		6300		5	U	2	U	2	U	81		2	U
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/L	80	U	500	U	5	U	2	U	2	U	36		2	U
SW8260C	79-20-9	Methyl Acetate	ug/L	200	U	1300	U	13	U	5	U	5	U	20	U	5	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	800	U	5000	U	50	U	20	U	20	U	80	U	20	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L	400	U	2500	U	25	U	10	U	10	U	40	U	10	U
SW8260C	108-87-2	Methylcyclohexane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	75-09-2	Methylene Chloride	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	100-42-5	Styrene	ug/L	80	U	500	U	3.7	J	2	U	2	U	8	U	2	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	108-88-3	Toluene	ug/L	56	J	680		41		2	U	2	U	8	U	2	U
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	75-01-4	Vinyl Chloride	ug/L	80	U	500	U	5	U	2	U	2	U	8	U	2	U
SW8260C	1330-20-7	Xylenes	ug/L	1000		4000		11		4	U	4	U	27		4	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L	25	U	26	UJ	5	U	5.2	U	5	U	25	U	5	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L	5.2	J	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L	50	U	52	U	10	U	10	UJ	10	U	50	U	10	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	95-57-8	2-Chlorophenol	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/L	180		680	J	5	U	5.2	U	5	U	7.8	J	5	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L	25	U	5.3	J	5	U	5.2	U	5	U	25	U	5	U
SW8270D	88-74-4	2-Nitroaniline	ug/L	50	U	52	U	10	U	10	U	10	U	50	U	10	U
SW8270D	88-75-5	2-Nitrophenol	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	99-09-2	3-Nitroaniline	ug/L	50	U	52	U	10	U	10	U	10	U	50	U	10	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L	50	U	52	U	10	U	10	UJ	10	U	50	U	10	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L	25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L	25	U	26	UJ	5	U	5.2	U	5	U	25	U	5	U
SW8270D	106-47-8	4-Chloroaniline	ug/L	25	U	26	UJ	5	U	5.2	U	5	U	25	U	5	U

		Location ID				PDI-OFFGW-DW-12-01M		PDI-OFFGW-DW-12-01R		PDI-OFFGW-DW-12-02M		PDI-OFFGW-SW-10-02		PDI-OFFGW-SW-10-07		PDI-OFFGW-SW-10-08		PDI-OFFGW-SW-12-01	
		Sample ID		TB-122123-01		PDI-OFFGW-DW-12-01M-010924		PDI-OFFGW-DW-12-01R-010924		PDI-OFFGW-DW-12-02M-010924		PDI-OFFGW-SW-10-02-111523		PDI-OFFGW-SW-10-07-111623		PDI-OFFGW-SW-10-08-111623		PDI-OFFGW-SW-12-01-011024	
		Sample Date		12/21/2023		1/9/2024		1/9/2024		1/9/2024		11/15/2023		11/16/2023		11/16/2023		1/10/2024	
		SDG		4802159801		4802163091		4802163091		4802163091		4802149841		4802150081		4802150081		4802163341	
		Lab Sample ID		480-215980-8		480-216309-4		480-216309-2		480-216309-1		480-214984-1		480-215008-1		480-215008-2		480-216334-3	
		Matrix		WQ		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code		TB		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit																
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L			50	U	52	U	10	U	10	U	10	U	50	U	10	U
SW8270D	100-01-6	4-Nitroaniline	ug/L			50	U	52	U	10	U	10	U	10	U	50	U	10	U
SW8270D	100-02-7	4-Nitrophenol	ug/L			50	U	52	U	10	U	10	U	10	U	50	U	10	U
SW8270D	83-32-9	Acenaphthene	ug/L			32		140		5	U	5.2	U	5	U	110		5	U
SW8270D	208-96-8	Acenaphthylene	ug/L			25	U	14	J	5	U	5.2	U	5	U	3.3	J	5	U
SW8270D	98-86-2	Acetophenone	ug/L			25	U	9.9	J	1	J	5.2	U	5	U	25	U	5	U
SW8270D	120-12-7	Anthracene	ug/L			25	U	4.1	J	5	U	5.2	U	5	U	4.3	J	5	U
SW8270D	1912-24-9	Atrazine	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	100-52-7	Benzaldehyde	ug/L			25	U	160		5	U	5.2	U	5	U	25	U	5	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L			9	J	44	J	5	U	5.2	U	5	U	25	U	5	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	105-60-2	Caprolactam	ug/L			25	U	26	U	14		5.2	U	5	U	25	U	5	U
SW8270D	86-74-8	Carbazole	ug/L			5	J	13	J	5	U	5.2	U	5	U	8.3	J	5	U
SW8270D	218-01-9	Chrysene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	132-64-9	Dibenzofuran	ug/L			50	U	4.9	J	10	U	10	U	10	U	8	J	10	U
SW8270D	84-66-2	Diethyl Phthalate	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	206-44-0	Fluoranthene	ug/L			25	U	26	U	5	U	5.2	U	5	U	3.9	J	5	U
SW8270D	86-73-7	Fluorene	ug/L			7.1	J	34	J	5	U	5.2	U	5	U	38		5	U
SW8270D	118-74-1	Hexachlorobenzene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	67-72-1	Hexachloroethane	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	78-59-1	Isophorone	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	91-20-3	Naphthalene	ug/L			2200		9700		6		5.2	U	5	U	210		5	U
SW8270D	98-95-3	Nitrobenzene	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L			25	U	26	U	5	U	5.2	U	5	U	25	U	5	U
SW8270D	87-86-5	Pentachlorophenol	ug/L			50	U	52	U	10	U	10	UJ	2.8	J	50	U	10	U
SW8270D	85-01-8	Phenanthrene	ug/L			5.1	J	30		5	U	5.2	U	5	U	25	U	5	U
SW8270D	108-95-2	Phenol	ug/L			25	U	36		5	U	5.2	U	5	U	5.2	J	5	U
SW8270D	129-00-0	Pyrene	ug/L			25	U	26	U	5	U	5.2	U	0.38	J	4.8	J	5	U
SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	ug/L			0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.2	U	0.2	U
SW9060	TOC	Total Organic Carbon	mg/L			3.2		5.2		2.3		5.1		7.6		7.3		4.9	

		Location ID	PDI-OFFGW-SW-12-01		PDI-OFFGW-SW-12-04		PDI-OFFGW-SW-12-13		PDI-OFFGW-SW-12-20		PDI-OFFGW-SW-12-21		PDI-ON-DW-10-02G		PDI-ON-DW-10-03M		PDI-ON-DW-10-03R	
		Sample ID	PDI-OFFGW-SW-12-01FD-011024		PDI-OFFGW-SW-12-04-010924		PDI-OFFGW-SW-12-13-010924		PDI-OFFGW-SW12-20-111723		PDI-OFFGW-SW12-21-111723		PDI-ON-DW-10-02G-122023		PDI-ON-DW-10-03M-122123		PDI-ON-DW-10-03R-122123	
		Sample Date	1/10/2024		1/9/2024		1/9/2024		11/17/2023		11/17/2023		12/20/2023		12/21/2023		12/21/2023	
		SDG	4802163341		4802163091		4802163091		4802150141		4802150141		4802159351		4802159801		4802159801	
		Lab Sample ID	480-216334-4		480-216309-5		480-216309-3		480-215014-2		480-215014-1		480-215935-1		480-215980-4		480-215980-3	
		Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	FD		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/l	10	U	10	U	5.2	U	7.3	U	7.3	U	40	U	5.1	U	5.4	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	40	U	40	U	21	U	18	U	18	U	100	U	20	U	22	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	20	U	20	U	10	U	18	U	18	U	100	U	10	U	11	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l	4	U	4	U	2.1	U	3.7	U	3.7	U	20	U	2	U	2.2	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ng/l	40	U	40	U	21	U	46	U	46	U	250	U	20	U	22	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ng/l	40	U	40	U	21	U	46	U	46	U	250	U	20	U	22	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ng/l	20	U	20	U	10	U	9.2	U	9.1	U	50	U	10	U	11	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/l	4	U	4	U	2.1	U	7.3	U	7.3	U	40	U	2	U	2.2	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/l	10	UJ	10	U	5.2	U	7.3	U	7.3	U	40	UJ	5.1	U	5.4	U
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ng/l	4	U	4	U	2.1	U	3.7	U	3.7	U	20	U	2	U	2.2	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ng/l	10	U	10	U	5.2	U	3.7	U	3.7	U	20	U	5.1	U	5.4	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ng/l	4	U	4	U	2.1	U	7.3	U	7.3	U	40	U	2	U	2.2	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ng/l	10	U	10	U	5.2	U	3.7	U	3.7	U	20	U	5.1	U	5.4	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ng/l	10	U	10	U	5.2	U	3.7	U	3.7	U	20	U	5.1	U	5.4	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l	3.7	JN	1.9	JN	2.9	J	1.4	J	1.1	J	10	U	2	U	2.2	U
E1633	375-22-4	Perfluorobutanoic Acid	ng/l	8.8		6.4		10		8.1		11		40	U	14		17	
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l	1.8	J	0.8	J	1.2	J	0.66	J	1.8	U	10	U	0.34	J	0.35	J
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l	5.6		0.78	J	0.99	J	1	J	0.81	J	10	U	0.8	J	0.62	J
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l	1.7	J	4	U	1.8	J	1.4	J	1.8	U	10	U	2	U	2.2	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ng/l	0.61	J	4	U	2.1	U	1.8	U	0.47	J	10	U	2	U	2.2	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l	14		4	U	1.9	J	2.5		4.1		10	U	1.1	J	1.4	J
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l	5.4		1.8	J	2.5		1.9		1.2	J	10	U	1	J	0.95	J
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ng/l	0.47	JN	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l	2.6	J	1.5	JN	2.3		2.1	J	3.7	U	20	U	1.1	JN	0.97	J
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l	4	U	4	U	2.1	U	1.8	U	1.8	U	10	U	2	U	2.2	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l	20	U	20	U	10	U	7.3	U	7.3	U	40	U	10	U	11	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ng/l	10	U	10	U	5.2	U	7.3	U	7.3	U	40	U	5.1	U	5.4	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l	20	U	20	U	10	U	7.3	U	7.3	U	40	U	10	U	11	U
E1664B	OILGREASE	Oil & Grease, Total Rec	mg/L	5.4	U	6.5	U	3.9	J	5.2	U	5.2		1.6	J	5.5	U	2.9	J
E300.0	14808-79-8	Sulfate (As SO4)	mg/L	160		45.5		93.4		24.7		55.8		1000	U	1230		1590	
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L	0.14		0.067		0.022	J	0.05	U	0.63		0.05	U	0.05	U	0.05	U
E353.2	NO3NO2N	Nitrogen, Nitrate-Nitrite	mg/L	0.17		0.098		0.022	J	0.05	U	0.63		0.05	U	0.05	U	0.05	U
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L	0.028	J	0.031	J	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
RSK175	74-84-0	Ethane	ug/L	7.5	U	7.5	U	7.5	U	170	U	7.5	U	540	J	570	J	680	
RSK175	74-85-1	Ethene	ug/L	7	U	7	U	7	U	150	U	7	U	620	U	620	U	620	U
RSK175	74-82-8	Methane	ug/L	39		480		46		1900		5.3		13000		9500		11000	
SW6010C	7429-90-5	Aluminum	mg/L	0.2	U	0.13	J	0.2	U	0.19	J	0.14	J	1.6	J	0.6		0.67	
SW6010C	7440-36-0	Antimony	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.4	U	0.02	U	0.02	U
SW6010C	7440-38-2	Arsenic	mg/L	0.015	U	0.017		0.0061	J	0.015	U	0.0095	J	0.3	U	0.015	U	0.015	U
SW6010C	7440-39-3	Barium	mg/L	0.1		0.062		0.25		0.24		0.08		1.9		0.086		0.054	
SW6010C	7440-41-7	Beryllium	mg/L	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.04	U	0.002	U	0.002	U
SW6010C	7440-43-9	Cadmium	mg/L	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.04	U	0.002	U	0.002	U
SW6010C	7440-70-2	Calcium	mg/L	122		147		160		101		67		9150		602		767	
SW6010C	7440-47-3	Chromium, Total	mg/L	0.004	U	0.0019	J	0.0017	J	0.0063		0.004	U	0.08	U	0.0021	J	0.0018	J
SW6010C	7440-48-4	Cobalt	mg/L	0.0044		0.004	U	0.0015	J	0.004	U	0.004	U	0.08	U	0.0011	J	0.00066	J
SW6010C	7440-50-8	Copper	mg/L	0.0054	J	0.0065	J	0.0046	J	0.01	U	0.0018	J	0.1	J	0.0066	J	0.0092	J
SW6010C	7439-89-6	Iron	mg/L	3.3		2.2		7.4		0.74		0.22		62		2.6		1.4	
SW6010C	7439-92-1	Lead	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.11	J	0.01	U	0.01	U
SW6010C	7439-95-4	Magnesium	mg/L	58.9		43.7		80.9		37.5		18		862		58.5		64.9	
SW6010C	7439-96-5	Manganese	mg/L	0.58		0.75		0.85		0.19	J+	0.37	J+	7.5		0.16		0.12	
SW6010C	7440-02-0	Nickel	mg/L	0.0023	J	0.01	U	0.0016	J	0.0019	J	0.0038	J	0.21		0.01	U	0.01	U
SW6010C	7440-09-7	Potassium	mg/L	8.2		6		7.2		10.2		9		475		89.9		73.9	
SW6010C	7782-49-2	Selenium	mg/L	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.5	U	0.025	U	0.025	U
SW6010C	7440-22-4	Silver	mg/L	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.12	U	0.006	U	0.006	U
SW6010C	7440-23-5	Sodium	mg/L	406		420		412		563		540		27700		3310		2690	
SW6010C	7440-28-0	Thallium	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.4	U	0.02	U	0.02	U
SW6010C	7440-62-2	Vanadium	mg/L	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.1	U	0.005	U	0.005	U

		Location ID	PDI-OFFGW-SW-12-01		PDI-OFFGW-SW-12-04		PDI-OFFGW-SW-12-13		PDI-OFFGW-SW-12-20		PDI-OFFGW-SW-12-21		PDI-ON-DW-10-02G		PDI-ON-DW-10-03M		PDI-ON-DW-10-03R	
		Sample ID	PDI-OFFGW-SW-12-01FD-011024		PDI-OFFGW-SW-12-04-010924		PDI-OFFGW-SW-12-13-010924		PDI-OFFGW-SW12-20-111723		PDI-OFFGW-SW12-21-111723		PDI-ON-DW-10-02G-122023		PDI-ON-DW-10-03M-122123		PDI-ON-DW-10-03R-122123	
		Sample Date	1/10/2024		1/9/2024		1/9/2024		11/17/2023		11/17/2023		12/20/2023		12/21/2023		12/21/2023	
		SDG	4802163341		4802163091		4802163091		4802150141		4802150141		4802159351		4802159801		4802159801	
		Lab Sample ID	480-216334-4		480-216309-5		480-216309-3		480-215014-2		480-215014-1		480-215935-1		480-215980-4		480-215980-3	
		Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	FD		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
SW6010C	7440-66-6	Zinc	mg/L	0.0062	J	0.0064	J	0.01	U	0.0066	J	0.0066	J	0.29		0.005	J	0.0054	J
SW7470A	7439-97-6	Mercury	mg/L	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.006	U	0.0002	U	0.0002	U
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	591-78-6	2-Hexanone	ug/L	10	U	5	U	5	U	5	U	5	U	4000	U	2000	U	2000	U
SW8260C	67-64-1	Acetone	ug/L	20	U	10	U	10	U	10	U	10	U	8000	U	4000	U	4000	U
SW8260C	71-43-2	Benzene	ug/L	2	U	23		1	U	16		1	U	54000		27000		34000	
SW8260C	75-27-4	Bromodichloromethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	75-25-2	Bromoform	ug/L	2	U	1	U	1	U	1	UJ	1	UJ	800	U	400	U	400	U
SW8260C	74-83-9	Bromomethane	ug/L	2	U	1	U	1	U	1	UJ	1	UJ	800	U	400	U	400	U
SW8260C	75-15-0	Carbon Disulfide	ug/L	2	U	1	U	1	U	1	UJ	1	UJ	800	U	400	U	400	U
SW8260C	56-23-5	Carbon Tetrachloride	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	108-90-7	Chlorobenzene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	75-00-3	Chloroethane	ug/L	2	U	1	U	1	U	1	UJ	1	UJ	800	U	400	U	400	U
SW8260C	67-66-3	Chloroform	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	74-87-3	Chloromethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	110-82-7	Cyclohexane	ug/L	2	U	3.4		1	U	0.34	J	1	U	800	U	400	U	400	U
SW8260C	124-48-1	Dibromochloromethane	ug/L	2	U	1	U	1	U	1	UJ	1	UJ	800	U	400	U	400	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	100-41-4	Ethylbenzene	ug/L	2	U	1	U	1	U	1	U	1	U	1200		2200		3700	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/L	2	U	1.5		1	U	1.7		1	U	800	U	400	U	400	U
SW8260C	79-20-9	Methyl Acetate	ug/L	5	U	2.5	U	2.5	U	2.5	U	2.5	U	2000	U	1000	U	1000	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	20	U	10	U	10	U	10	U	10	U	8000	U	4000	U	4000	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L	10	U	5	U	5	U	5	U	5	U	4000	U	2000	U	2000	U
SW8260C	108-87-2	Methylcyclohexane	ug/L	2	U	0.76	J	1	U	0.29	J	1	U	800	U	400	U	400	U
SW8260C	75-09-2	Methylene Chloride	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	100-42-5	Styrene	ug/L	2	U	1	U	1	U	1	U	1	U	7300		400	U	400	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	108-88-3	Toluene	ug/L	2	U	1	U	1	U	1	U	1	U	27000		400	U	1600	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/L	2	U	1.2		1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/L	2	U	1	U	1	U	1	U	1	U	800	UJ	400	UJ	400	UJ
SW8260C	75-01-4	Vinyl Chloride	ug/L	2	U	1	U	1	U	1	U	1	U	800	U	400	U	400	U
SW8260C	1330-20-7	Xylenes	ug/L	4	U	1.2	J	2	U	2	U	2	U	7100		540	J	1900	
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	220	J	35		53	
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L	10	U	10	U	10	U	10	U	10	U	11	UJ	10	UJ	11	UJ
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	95-57-8	2-Chlorophenol	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	130	J	23		160	J
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	75	J	5.2	U	20	
SW8270D	88-74-4	2-Nitroaniline	ug/L	10	U	10	U	10	U	10	U	10	U	11	U	10	U	11	U
SW8270D	88-75-5	2-Nitrophenol	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	99-09-2	3-Nitroaniline	ug/L	10	U	10	U	10	U	10	U	10	U	11	U	10	U	11	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L	10	U	10	U	10	U	10	U	10	U	11	U	10	U	11	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	106-47-8	4-Chloroaniline	ug/L	5	U	5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U

				Location ID	PDI-OFFGW-SW-12-01		PDI-OFFGW-SW-12-04		PDI-OFFGW-SW-12-13		PDI-OFFGW-SW-12-20		PDI-OFFGW-SW-12-21		PDI-ON-DW-10-02G		PDI-ON-DW-10-03M		PDI-ON-DW-10-03R	
				Sample ID	PDI-OFFGW-SW-12-01FD-011024		PDI-OFFGW-SW-12-04-010924		PDI-OFFGW-SW-12-13-010924		PDI-OFFGW-SW12-20-111723		PDI-OFFGW-SW12-21-111723		PDI-ON-DW-10-02G-122023		PDI-ON-DW-10-03M-122123		PDI-ON-DW-10-03R-122123	
				Sample Date	1/10/2024		1/9/2024		1/9/2024		11/17/2023		11/17/2023		12/20/2023		12/21/2023		12/21/2023	
				SDG	4802163341		4802163091		4802163091		4802150141		4802150141		4802159351		4802159801		4802159801	
				Lab Sample ID	480-216334-4		480-216309-5		480-216309-3		480-215014-2		480-215014-1		480-215935-1		480-215980-4		480-215980-3	
				Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
				Sample Type Code	FD		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit																	
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L	10	U		10	U	10	U	10	U	10	U	70		8	J	14	
SW8270D	100-01-6	4-Nitroaniline	ug/L	10	U		10	U	10	U	10	U	10	U	11	U	10	U	11	U
SW8270D	100-02-7	4-Nitrophenol	ug/L	10	U		10	U	10	U	10	U	10	U	11	U	10	U	11	U
SW8270D	83-32-9	Acenaphthene	ug/L	5	U		12		0.44	J	120		5	U	4.6	J	76	J	89	J
SW8270D	208-96-8	Acenaphthylene	ug/L	5	U		0.77	J	5.2	U	1.4	J	5	U	69		3.2	J	9.4	
SW8270D	98-86-2	Acetophenone	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	12		5.2	U	5.4	J
SW8270D	120-12-7	Anthracene	ug/L	5	U		5.2	U	5.2	U	0.78	J	5	U	1.2	J	1.1	J	5.7	U
SW8270D	1912-24-9	Atrazine	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	100-52-7	Benzaldehyde	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	8		5.2	U	5.7	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	7.2		15		18	
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	105-60-2	Caprolactam	ug/L	5	U		5.2	U	5.2	U	2.4	J	5	U	5.7	U	5.9		5.7	U
SW8270D	86-74-8	Carbazole	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	7.7		8.9		9.2	
SW8270D	218-01-9	Chrysene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	132-64-9	Dibenzofuran	ug/L	10	U		10	U	10	U	10	U	10	U	1.3	J	1.8	J	2.3	J
SW8270D	84-66-2	Diethyl Phthalate	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	206-44-0	Fluoranthene	ug/L	5	U		5.2	U	5.2	U	1.2	J	5	U	0.5	J	5.2	U	5.7	U
SW8270D	86-73-7	Fluorene	ug/L	5	U		0.39	J	5.2	U	1.8	J	5	U	8.7		12		16	
SW8270D	118-74-1	Hexachlorobenzene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	67-72-1	Hexachloroethane	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	78-59-1	Isophorone	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	91-20-3	Naphthalene	ug/L	5	U		6.5		5.2	U	0.86	J	5	U	2200		1500		2900	
SW8270D	98-95-3	Nitrobenzene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.7	U	5.2	U	5.7	U
SW8270D	87-86-5	Pentachlorophenol	ug/L	10	U		10	U	10	U	10	U	10	U	11	U	10	U	11	U
SW8270D	85-01-8	Phenanthrene	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	5.5	J	7.4		10	
SW8270D	108-95-2	Phenol	ug/L	5	U		5.2	U	5.2	U	5	U	5	U	11		57		68	
SW8270D	129-00-0	Pyrene	ug/L	5	U		5.2	U	5.2	U	1.6	J	5	U	0.76	J	5.2	U	0.57	J
SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	ug/L	0.2	U		0.2	U	0.23	U	0.31	UJ	0.2	U	0.23	U	0.17	J	0.13	J
SW9060	TOC	Total Organic Carbon	mg/L	5.1			5.6		3.5		2.1		2.3		1	U	3.3		4.1	

		Location ID	PDI-ON-DW-10-06G		PDI-ON-DW-10-06G		PDI-ON-DW-10-08R		PDI-ON-DW-12-07R		PDI-ON-DW-12-09M		PDI-ONGW-DW-10-01R		PDI-ONGW-DW-10-04M		PDI-ONGW-DW-12-06R	
		Sample ID	PDI-ON-DW-10-06G-122023		PDI-ON-DW-10-06G-122123		PDI-ON-DW-10-08R-122123		PDI-ON-DW-12-07R-122023		PDI-ON-DW-12-09M-122123		PDI-ONGW-DW-10-01R-121923		PDI-ONGW-DW-10-04M-010824		PDI-ONGW-DW-12-06R-121923	
		Sample Date	12/20/2023		12/21/2023		12/21/2023		12/20/2023		12/21/2023		12/19/2023		1/8/2024		12/19/2023	
		SDG	4802159351		4802159801		4802159801		4802159351		4802159801		4802159071		4802162691		4802159071	
		Lab Sample ID	480-215935-4		480-215980-1		480-215980-2		480-215935-3		480-215980-5		480-215907-1		480-216269-3		480-215907-3	
		Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	N		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/l	40 U			5 U		40 U		5 U		40 U		25 U		16 U	
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	99 U			20 U		100 U		20 U		100 U		100 U		40 U	
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	99 U			10 U		100 U		10 U		100 U		50 U		40 U	
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l	20 U			2 U		20 U		2 U		20 U		10 U		8 U	
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ng/l	250 U			20 U		250 U		20 U		250 U		100 U		100 U	
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ng/l	250 U			20 U		250 U		20 U		250 U		100 U		100 U	
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ng/l	50 U			10 U		50 U		10 U		50 U		50 U		20 U	
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/l	40 U			2 U		40 U		2 U		40 U		10 U		16 U	
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/l	40 UJ			5 U		40 UJ		5 U		40 U		25 U		16 U	
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ng/l	20 U			2 U		20 U		2 U		20 U		10 U		8 U	
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ng/l	20 U			5 U		20 U		5 U		20 U		25 U		8 U	
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ng/l	40 U			2 U		40 U		2 U		40 U		10 U		16 U	
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ng/l	20 U			5 U		20 U		5 U		20 U		25 U		8 U	
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ng/l	20 U			5 U		20 U		5 U		20 U		25 U		8 U	
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l	9.9 U			2 U		10 U		2.2 J		10 U		10 U		1.8 JN	
E1633	375-22-4	Perfluorobutanoic Acid	ng/l	40 U			3.3		11 J		19		40 U		5 J		11 J	
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l	9.9 U			2 U		10 U		1.1 J		10 U		10 U		1.3 J	
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l	9.9 U			2 U		10 U		1.7 J		10 U		10 U		1.7 J	
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l	9.9 U			2 U		10 U		2.4		10 U		10 U		2.9 J	
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l	9.9 U			2 U		10 U		0.38 J		10 U		10 U		4 U	
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l	9.9 U			2 U		10 U		0.89 J		10 U		10 U		3.5 J	
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l	9.9 U			0.79 J		10 U		3.3		10 U		10 U		4	
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l	20 U			2 U		20 U		3.7		20 U		10 U		4.1 JN	
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l	9.9 U			2 U		10 U		2 U		10 U		10 U		4 U	
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l	40 U			10 U		40 U		10 U		40 U		50 U		16 U	
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ng/l	40 U			5 U		40 U		5 U		40 U		25 U		16 U	
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l	40 U			10 U		40 U		10 U		40 U		50 U		16 U	
E1664B	OILGREASE	Oil & Grease, Total Rec	mg/L			1.5 J		5 U		5.3 U		4.1 J		5.3 U		1.9 J		5 U
E300.0	14808-79-8	Sulfate (As SO4)	mg/L			263 J		165		999		3.7 J		297 J		468		20 U
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L			0.15		1.4		0.1		0.05 U		0.048 J		0.05 U		0.05 U
E353.2	NO3NO2N	Nitrogen, Nitrate-Nitrite	mg/L			0.15 J		1.4		0.12		0.05 U		0.048 J		0.05 U		0.05 U
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L			0.05 UJ		0.02 J		0.02 J		0.05 U		0.05 U		0.05 U		0.05 U
RSK175	74-84-0	Ethane	ug/L	1700			170 U		1800		660 U		50		1.5 J		660 U	
RSK175	74-85-1	Ethene	ug/L	620 U			150 U		620 U		620 U		7 U		7 U		620 U	
RSK175	74-82-8	Methane	ug/L	15000			720		18000		16000		330		430		25000	
SW6010C	7429-90-5	Aluminum	mg/L			1 U		0.2 U		0.26		0.093 J		2.1		0.14 J		0.13 J
SW6010C	7440-36-0	Antimony	mg/L			1 U		0.02 U		0.02 U		0.02 U		0.02 U		0.02 U		0.02 U
SW6010C	7440-38-2	Arsenic	mg/L			0.12		0.015 U		0.04		0.015 U		0.025		0.0068 J		0.012 J
SW6010C	7440-39-3	Barium	mg/L			1.1		0.16		0.14		0.45		1.5		0.65		0.71
SW6010C	7440-41-7	Beryllium	mg/L			0.01 U		0.002 U		0.002 U		0.002 U		0.002 U		0.002 U		0.002 U
SW6010C	7440-43-9	Cadmium	mg/L			0.1 U		0.002 U		0.002 U		0.002 U		0.002 U		0.002 U		0.002 U
SW6010C	7440-70-2	Calcium	mg/L			16500		314		1790		217		2520		671		84.2
SW6010C	7440-47-3	Chromium, Total	mg/L			0.02 U		0.004 U		0.0045		0.004 U		0.0021 J		0.0012 J		0.004 U
SW6010C	7440-48-4	Cobalt	mg/L			0.2 U		0.004 U		0.004 U		0.004 U		0.0033 J		0.004 U		0.004 U
SW6010C	7440-50-8	Copper	mg/L			0.15 J		0.0019 J		0.02 J		0.0021 J		0.025 J		0.01 U		0.01 U
SW6010C	7439-89-6	Iron	mg/L			0.7		9.2		25.7		2.5		5.4		9.2		3.1
SW6010C	7439-92-1	Lead	mg/L			0.24 J		0.01 U		0.0049 J		0.01 U		0.05 U		0.01 U		0.01 U
SW6010C	7439-95-4	Magnesium	mg/L			1550		32.1		237		85.5		230		96.1		46.5
SW6010C	7439-96-5	Manganese	mg/L			5.5		0.27		0.83		0.09		1.2		0.44		0.061
SW6010C	7440-02-0	Nickel	mg/L			0.5 U		0.01 U		0.057		0.01 U		0.05 U		0.01 U		0.01 U
SW6010C	7440-09-7	Potassium	mg/L			1250		110		212		22.2		348		164		7.2
SW6010C	7782-49-2	Selenium	mg/L			0.13 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U		0.025 U
SW6010C	7440-22-4	Silver	mg/L			0.03 U		0.006 U		0.006 U		0.006 U		0.006 U		0.006 U		0.006 U
SW6010C	7440-23-5	Sodium	mg/L			50300		3340		8850		538		12200		5280		389
SW6010C	7440-28-0	Thallium	mg/L			1 U		0.02 U		0.02 U		0.02 U		0.1 U		0.02 U		0.02 U
SW6010C	7440-62-2	Vanadium	mg/L			0.025 U		0.005 U		0.005 U		0.005 U		0.005 U		0.005 U		0.005 U

		Location ID	PDI-ON-DW-10-06G		PDI-ON-DW-10-06G		PDI-ON-DW-10-08R		PDI-ON-DW-12-07R		PDI-ON-DW-12-09M		PDI-ONGW-DW-10-01R		PDI-ONGW-DW-10-04M		PDI-ONGW-DW-12-06R	
		Sample ID	PDI-ON-DW-10-06G-122023		PDI-ON-DW-10-06G-122123		PDI-ON-DW-10-08R-122123		PDI-ON-DW-12-07R-122023		PDI-ON-DW-12-09M-122123		PDI-ONGW-DW-10-01R-121923		PDI-ONGW-DW-10-04M-010824		PDI-ONGW-DW-12-06R-121923	
		Sample Date	12/20/2023		12/21/2023		12/21/2023		12/20/2023		12/21/2023		12/19/2023		1/8/2024		12/19/2023	
		SDG	4802159351		4802159801		4802159801		4802159351		4802159801		4802159071		4802162691		4802159071	
		Lab Sample ID	480-215935-4		480-215980-1		480-215980-2		480-215935-3		480-215980-5		480-215907-1		480-216269-3		480-215907-3	
		Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	N		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
SW6010C	7440-66-6	Zinc	mg/L			0.05	U	0.01	U	0.0081	J	0.01	U	0.0099	J	0.005	J	0.01	U
SW7470A	7439-97-6	Mercury	mg/L			0.006	U	0.0004	U	0.0004	U	0.0002	U	0.0004	U	0.0004	U	0.0002	U
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	1	U			20	U	200	U	100	U	50	UJ	100	U	100	UJ
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/L	1	U			20	U	200	U	100	U	50	UJ	100	U	100	UJ
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	591-78-6	2-Hexanone	ug/L	5	U			100	U	1000	U	500	U	250	U	500	U	500	U
SW8260C	67-64-1	Acetone	ug/L	170				200	U	2000	U	1000	U	500	U	1000	U	1000	U
SW8260C	71-43-2	Benzene	ug/L	36				650		6700		2700		1800		3100		4900	
SW8260C	75-27-4	Bromodichloromethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	75-25-2	Bromoform	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	74-83-9	Bromomethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	75-15-0	Carbon Disulfide	ug/L	1	U			20	U	200	U	100	U	50	UJ	100	U	100	UJ
SW8260C	56-23-5	Carbon Tetrachloride	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	108-90-7	Chlorobenzene	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	75-00-3	Chloroethane	ug/L	0.92	J			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	67-66-3	Chloroform	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	74-87-3	Chloromethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	110-82-7	Cyclohexane	ug/L	0.5	J			20	U	200	U	100	U	50	UJ	100	U	100	UJ
SW8260C	124-48-1	Dibromochloromethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	100-41-4	Ethylbenzene	ug/L	1	U			110		240		4800		50	U	120		2800	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/L	1	U			20	U	200	U	140		50	U	100	U	85	J
SW8260C	79-20-9	Methyl Acetate	ug/L	2.5	U			50	U	500	U	250	U	130	U	250	U	250	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	33				200	U	2000	U	1000	U	500	U	1000	U	1000	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L	5	U			100	U	1000	U	500	U	250	U	500	U	500	U
SW8260C	108-87-2	Methylcyclohexane	ug/L	0.18	J			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	75-09-2	Methylene Chloride	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	100-42-5	Styrene	ug/L	1	U			83		200	U	100	U	270		100	U	100	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	108-88-3	Toluene	ug/L	2.1				190		200	U	110		1300		150		68	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/L	1	U			20	U	200	U	100	U	50	UJ	100	U	100	UJ
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/L	1	U			20	UJ	200	U	100	UJ	50	U	100	U	100	U
SW8260C	75-01-4	Vinyl Chloride	ug/L	1	U			20	U	200	U	100	U	50	U	100	U	100	U
SW8260C	1330-20-7	Xylenes	ug/L	2	U			130		400	U	4300		250		270		2700	
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L			28	U	5.7	U	5	U	1000	U	130	U	5.2	U	5	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L			28	U	5.7	U	5	U	1000	U	130	U	5.2	U	5	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L			28	U	5.7	U	5	U	1000	U	130	U	5.2	U	5	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L			28	U	1	J	23		1000	U	130	U	8		12	
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L			57	UJ	11	UJ	10	UJ	2000	U	250	U	10	U	10	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	95-57-8	2-Chlorophenol	ug/L			28	U	5.7	U	5	U	1000	U	130	U	5.2	U	5	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/L			28	U	17		19		810	J	130	U	7.7		730	J
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L			28	U	5.7	U	19		1000	U	130	U	5.2	U	5	U
SW8270D	88-74-4	2-Nitroaniline	ug/L			57	U	11	U	10	U	10	U	250	U	10	U	10	U
SW8270D	88-75-5	2-Nitrophenol	ug/L			28	U	5.7	U	5	U	1000	U	130	U	5.2	U	5	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	99-09-2	3-Nitroaniline	ug/L			57	U	11	U	10	U	10	U	250	U	10	U	10	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L			57	U	11	U	10	U	2000	U	250	U	10	U	10	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L			28	U	5.7	U	5	U	1000	U	130	U	5.2	U	5	U
SW8270D	106-47-8	4-Chloroaniline	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U

		Location ID	PDI-ON-DW-10-06G		PDI-ON-DW-10-06G		PDI-ON-DW-10-08R		PDI-ON-DW-12-07R		PDI-ON-DW-12-09M		PDI-ONGW-DW-10-01R		PDI-ONGW-DW-10-04M		PDI-ONGW-DW-12-06R	
		Sample ID	PDI-ON-DW-10-06G-122023		PDI-ON-DW-10-06G-122123		PDI-ON-DW-10-08R-122123		PDI-ON-DW-12-07R-122023		PDI-ON-DW-12-09M-122123		PDI-ONGW-DW-10-01R-121923		PDI-ONGW-DW-10-04M-010824		PDI-ONGW-DW-12-06R-121923	
		Sample Date	12/20/2023		12/21/2023		12/21/2023		12/20/2023		12/21/2023		12/19/2023		1/8/2024		12/19/2023	
		SDG	4802159351		4802159801		4802159801		4802159351		4802159801		4802159071		4802162691		4802159071	
		Lab Sample ID	480-215935-4		480-215980-1		480-215980-2		480-215935-3		480-215980-5		480-215907-1		480-216269-3		480-215907-3	
		Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	N		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L			57	U	7.8	J	12		2000	U	250	U	0.88	J	2.6	J
SW8270D	100-01-6	4-Nitroaniline	ug/L			57	U	11	U	10	U	10	U	250	U	10	U	10	U
SW8270D	100-02-7	4-Nitrophenol	ug/L			57	U	11	U	10	U	2000	U	250	U	10	U	10	U
SW8270D	83-32-9	Acenaphthene	ug/L			28	U	3.2	J	1.9	J	140	J	130	U	0.71	J	140	J
SW8270D	208-96-8	Acenaphthylene	ug/L			28	U	2.8	J	15		11		130	U	9.7		5.3	
SW8270D	98-86-2	Acetophenone	ug/L			3.6	J	5.7	U	0.72	J	5	U	130	U	3.4	J	5	U
SW8270D	120-12-7	Anthracene	ug/L			28	U	5.7	U	5	U	4.5	J	130	U	5.2	U	4.1	J
SW8270D	1912-24-9	Atrazine	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	100-52-7	Benzaldehyde	ug/L			28	U	0.91	J	7		5	U	130	U	5.2	U	5	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L			28	U	5.7	U	5	U	0.54	J	130	U	5.2	U	5	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L			28	U	5.7	U	1	J	39		130	U	0.74	J	35	
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L			28	U	5.7	U	3.5	J	5	U	130	U	5.2	U	5	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	105-60-2	Caprolactam	ug/L			28	U	5	J	5	U	5	U	130	U	6.8		5	U
SW8270D	86-74-8	Carbazole	ug/L			28	U	5.7	U	2.6	J	18		130	U	0.7	J	22	
SW8270D	218-01-9	Chrysene	ug/L			28	U	5.7	U	5	U	0.47	J	130	U	5.2	U	5	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	132-64-9	Dibenzofuran	ug/L			57	U	11	U	10	U	5.5	J	250	U	10	U	6.2	J
SW8270D	84-66-2	Diethyl Phthalate	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	206-44-0	Fluoranthene	ug/L			28	U	5.7	U	5	U	1.2	J	130	U	5.2	U	1.1	J
SW8270D	86-73-7	Fluorene	ug/L			28	U	0.48	J	1.3	J	39		130	U	0.54	J	35	
SW8270D	118-74-1	Hexachlorobenzene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	UJ	5	U
SW8270D	67-72-1	Hexachloroethane	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	78-59-1	Isophorone	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	91-20-3	Naphthalene	ug/L			28	U	260		450		9900		380		190		8200	
SW8270D	98-95-3	Nitrobenzene	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L			28	U	5.7	U	5	U	5	U	130	U	5.2	U	5	U
SW8270D	87-86-5	Pentachlorophenol	ug/L			57	U	11	U	10	U	2000	U	250	U	10	U	10	U
SW8270D	85-01-8	Phenanthrene	ug/L			28	U	5.7	U	5	U	27		130	U	5.2	U	26	
SW8270D	108-95-2	Phenol	ug/L			3.2	J	5.7	U	5		1000	U	130	U	22		7.8	
SW8270D	129-00-0	Pyrene	ug/L			28	U	5.7	U	5	U	1.9	J	130	U	5.2	U	1.6	J
SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	ug/L			0.24	U	0.2	U	0.22	U	0.2	U	0.24	U	0.21	U	0.24	U
SW9060	TOC	Total Organic Carbon	mg/L	0.9	J			0.5	J	2.2		5.6		1	U	1.2		7	

		Location ID	PDI-ONGW-DW-12-07I		PDI-ONGW-DW-5		PDI-ONGW-MW-2R		PDI-ONGW-MW-3DR		PDI-ONGW-MW-6D		PDI-ONGW-MW-8DR		PDI-ONGW-SW-10-09		PDI-ONGW-SW-10-12	
		Sample ID	PDI-ONGW-DW-12-07I-121923		PDI-ONGW-DW-5-010824		PDI-ONGW-MW-2R-010824		PDI-ONGW-MW-3DR-011024		PDI-ONGW-MW-6D-011024		PDI-ONGW-MW-8DR-121823		PDI-ONGW-SW-10-09-010824		PDI-ONGW-SW-10-12-011024	
		Sample Date	12/19/2023		1/8/2024		1/8/2024		1/10/2024		1/10/2024		12/18/2023		1/8/2024		1/10/2024	
		SDG	4802159071		4802162691		4802162691		4802163341		4802163341		4802158471		4802162691		4802163341	
		Lab Sample ID	480-215907-2		480-216269-2		480-216269-4		480-216334-2		480-216334-1		480-215847-1		480-216269-1		480-216334-5	
		Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	N		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/l	7.7	U	4.5	U	25	U	4.6	U	4.7	U	40	U	4.9	U	25	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	19	U	18	U	100	U	18	U	19	U	100	U	20	U	100	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	19	U	9.1	U	50	U	9.2	U	9.4	U	100	U	9.8	U	50	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l	3.8	U	1.8	U	10	U	1.8	U	1.9	U	20	U	2	U	10	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ng/l	48	U	18	U	100	U	18	U	19	U	250	U	20	U	100	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ng/l	48	U	18	U	100	U	18	U	19	U	250	U	20	U	100	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ng/l	9.6	U	9.1	U	50	U	9.2	U	9.4	U	50	U	9.8	U	50	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/l	7.7	U	1.8	U	10	U	1.8	U	1.9	U	40	U	2	U	10	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/l	7.7	U	4.5	U	25	U	4.6	UJ	4.7	U	40	U	4.9	U	25	UJ
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ng/l	3.8	U	1.8	U	10	U	1.8	U	1.9	U	20	U	2	U	10	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ng/l	3.8	U	4.5	U	2.2	JN	4.6	U	4.7	U	20	U	4.9	U	25	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ng/l	7.7	U	1.8	U	10	U	1.8	U	1.9	U	40	U	2	U	10	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ng/l	3.8	U	4.5	U	25	U	4.6	U	4.7	U	20	U	4.9	U	25	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ng/l	3.8	U	4.5	U	25	U	4.6	U	4.7	U	20	U	4.9	U	25	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l	1.9	U	3.5		68	J	1.8	U	0.52	JN	10	U	1.1	J	4.6	JN
E1633	375-22-4	Perfluorobutanoic Acid	ng/l	17		18		28		16		29		12	J	6.2		10	
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l	1.9	U	4.9		7	J	0.46	J	1.9	U	10	U	0.46	J	4.1	JN
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l	1.9	U	4.2		12		0.96	J	1.9	U	10	U	0.69	J	2.1	J
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l	1.9	U	7.6		12		0.81	J	1	J	10	U	2	U	10	U
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ng/l	1.9	U	0.84	J	2.2	J	0.17	J	1.9	U	10	U	0.3	J	0.93	J
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l	1.9	U	0.18	JN	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l	1.9	U	7		40		1.9		1.9	U	4.3	JN	4.6		11	
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l	1.9	U	8		24		1.7	J	1.9	U	10	U	1.9	J	6	J
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ng/l	1.9	U	1.8	U	59	J	1.8	U	1.9	U	10	U	2	U	10	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l	1.5	J	12		91	J	1.8	U	3.1		20	U	2.4		5.9	J
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l	1.9	U	1.8	U	10	U	1.8	U	1.9	U	10	U	2	U	10	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l	7.7	U	9.1	U	50	U	9.2	U	9.4	U	40	U	9.8	U	50	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ng/l	7.7	U	4.5	U	25	U	4.6	U	4.7	U	40	U	4.9	U	25	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l	7.7	U	9.1	U	50	U	9.2	U	9.4	U	40	U	9.8	U	50	U
E1664B	OILGREASE	Oil & Grease, Total Rec	mg/L	5	U	4.9	U	8		4.9	U	5.2	U	5.4	U	5.5	U	5.2	U
E300.0	14808-79-8	Sulfate (As SO4)	mg/L	271		261		210		39.1		168		20	U	29.3		254	
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L	0.05	U	1.1		0.05	U	0.028	J	0.05	U	0.05	U	0.034	J	0.12	
E353.2	NO3NO2N	Nitrogen, Nitrate-Nitrite	mg/L	0.05	U	1.1		0.05	U	0.064		0.05	U	0.05	U	0.034	J	0.16	
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L	0.05	U	0.05	U	0.041	J	0.036	J	0.05	U	0.05	U	0.05	U	0.042	J
RSK175	74-84-0	Ethane	ug/L	660	U	9.3		7.5	U	120	J	2.7	J	330	U	7.5	U	660	U
RSK175	74-85-1	Ethene	ug/L	620	U	7	U	7	U	310	U	7	U	310	U	7	U	620	U
RSK175	74-82-8	Methane	ug/L	2800		400		4	U	13000		260		21000		350		3400	
SW6010C	7429-90-5	Aluminum	mg/L	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	2.1		0.2	U	0.2	U
SW6010C	7440-36-0	Antimony	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
SW6010C	7440-38-2	Arsenic	mg/L	0.015	U	0.015	U	0.04		0.015	U	0.015	U	0.013	J	0.015	U	0.0078	J
SW6010C	7440-39-3	Barium	mg/L	0.065		0.23		0.067		0.23		0.31		1.1		0.28		0.2	
SW6010C	7440-41-7	Beryllium	mg/L	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.02	U	0.002	U	0.002	U
SW6010C	7440-43-9	Cadmium	mg/L	0.002	U	0.002	U	0.002	U	0.00053	J	0.002	U	0.00074	J	0.002	U	0.002	U
SW6010C	7440-70-2	Calcium	mg/L	641		217		688		117		690		128		107		178	
SW6010C	7440-47-3	Chromium, Total	mg/L	0.004	U	0.65		0.0026	J	0.0033	J	0.0013	J	0.04	U	0.004	U	0.0023	J
SW6010C	7440-48-4	Cobalt	mg/L	0.00094	J	0.0063		0.12		0.0026	J	0.004	U	0.004	U	0.004	U	0.019	
SW6010C	7440-50-8	Copper	mg/L	0.0086	J	0.031		0.01	U	0.0045	J	0.014		0.01	U	0.01	U	0.0069	J
SW6010C	7439-89-6	Iron	mg/L	0.58		2.2		22.6		0.73		4.6		3.3		0.92		14.8	
SW6010C	7439-92-1	Lead	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.0036	J
SW6010C	7439-95-4	Magnesium	mg/L	203		74.5		1.3		91.4		266		61.2		29.2		68.7	
SW6010C	7439-96-5	Manganese	mg/L	0.057		0.054		0.003	U	0.023		0.11		0.13		0.18		0.14	
SW6010C	7440-02-0	Nickel	mg/L	0.0013	J	0.25		0.089		0.01	U	0.01	U	0.0018	J	0.01	U	0.01	U
SW6010C	7440-09-7	Potassium	mg/L	50.2		35.7		279		22.1		49.6		14.7		7.7		11.9	
SW6010C	7782-49-2	Selenium	mg/L	0.025	U	0.025	U	0.0096	J	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
SW6010C	7440-22-4	Silver	mg/L	0.006	U	0.006	U	0.006	U	0.006	U	0.006	U	0.06	U	0.006	U	0.006	U
SW6010C	7440-23-5	Sodium	mg/L	298		1910		933		568		760		347		281		352	
SW6010C	7440-28-0	Thallium	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
SW6010C	7440-62-2	Vanadium	mg/L	0.005	U	0.005	U	0.043		0.005	U	0.005	U	0.0022	J	0.005	U	0.0027	J

		Location ID	PDI-ONGW-DW-12-07I		PDI-ONGW-DW-5		PDI-ONGW-MW-2R		PDI-ONGW-MW-3DR		PDI-ONGW-MW-6D		PDI-ONGW-MW-8DR		PDI-ONGW-SW-10-09		PDI-ONGW-SW-10-12	
		Sample ID	PDI-ONGW-DW-12-07I-121923		PDI-ONGW-DW-5-010824		PDI-ONGW-MW-2R-010824		PDI-ONGW-MW-3DR-011024		PDI-ONGW-MW-6D-011024		PDI-ONGW-MW-8DR-121823		PDI-ONGW-SW-10-09-010824		PDI-ONGW-SW-10-12-011024	
		Sample Date	12/19/2023		1/8/2024		1/8/2024		1/10/2024		1/10/2024		12/18/2023		1/8/2024		1/10/2024	
		SDG	4802159071		4802162691		4802162691		4802163341		4802163341		4802158471		4802162691		4802163341	
		Lab Sample ID	480-215907-2		480-216269-2		480-216269-4		480-216334-2		480-216334-1		480-215847-1		480-216269-1		480-216334-5	
		Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
		Sample Type Code	N		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit															
SW6010C	7440-66-6	Zinc	mg/L	0.0022	J	0.0036	J	0.0039	J	0.003	J	0.0026	J	0.0059	J	0.0015	J	0.01	U
SW7470A	7439-97-6	Mercury	mg/L	0.0004	U	4.3E-05	J	0.0003	J	0.00029		0.0002	U	0.0002	U	4.3E-05	J	0.0002	U
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	50	UJ	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	75-34-3	1,1-Dichloroethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	75-35-4	1,1-Dichloroethene	ug/L	50	UJ	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	107-06-2	1,2-Dichloroethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	78-87-5	1,2-Dichloropropane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	591-78-6	2-Hexanone	ug/L	250	U	25	U	5	U	2000	U	50	UJ	630	U	5	U	50	U
SW8260C	67-64-1	Acetone	ug/L	500	U	500		10	U	4000	U	100	U	1300	U	10	U	100	U
SW8260C	71-43-2	Benzene	ug/L	2300		90		1	U	10000		260		5700		0.75	J	260	
SW8260C	75-27-4	Bromodichloromethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	75-25-2	Bromoform	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	74-83-9	Bromomethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	75-15-0	Carbon Disulfide	ug/L	13	J	110		1	U	400	U	10	U	130	U	1	U	36	
SW8260C	56-23-5	Carbon Tetrachloride	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	108-90-7	Chlorobenzene	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	0.98	J	10	U
SW8260C	75-00-3	Chloroethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	67-66-3	Chloroform	ug/L	50	U	5	U	1.1		400	U	10	U	130	U	1	U	10	U
SW8260C	74-87-3	Chloromethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	110-82-7	Cyclohexane	ug/L	38	J	5	U	1	U	400	U	14		130	U	1	U	4.8	J
SW8260C	124-48-1	Dibromochloromethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	75-71-8	Dichlorodifluoromethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	100-41-4	Ethylbenzene	ug/L	1500		33		1	U	4600		430		920		2.9		55	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/L	90		4.3	J	1	U	400	U	24		130	U	0.81	J	37	
SW8260C	79-20-9	Methyl Acetate	ug/L	130	U	13	U	2.5	U	1000	U	25	U	310	U	2.5	U	25	U
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	500	U	140		10	U	4000	U	100	U	1300	U	10	U	100	U
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L	250	U	25	U	5	U	2000	U	50	U	630	U	5	U	50	U
SW8260C	108-87-2	Methylcyclohexane	ug/L	32	J	5	U	1	U	400	U	8.9	J	130	U	1	U	5.6	J
SW8260C	75-09-2	Methylene Chloride	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	100-42-5	Styrene	ug/L	50	U	5	U	1	U	1500		10	U	130	U	1	U	10	U
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	108-88-3	Toluene	ug/L	130		42		1	U	6800		29		130	U	1	U	6.4	J
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/L	50	UJ	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	75-69-4	Trichlorofluoromethane	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	75-01-4	Vinyl Chloride	ug/L	50	U	5	U	1	U	400	U	10	U	130	U	1	U	10	U
SW8260C	1330-20-7	Xylenes	ug/L	700		63		2	U	5200		200		180	J	2	U	20	U
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L	24	J	970		5	U	250	U	1.7	J	3.9	J	6	U	5.2	U
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L	210	U	500	U	10	U	500	UJ	10	U	12	UJ	12	U	10	U
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	91-58-7	2-Chloronaphthalene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	95-57-8	2-Chlorophenol	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	91-57-6	2-Methylnaphthalene	ug/L	100	U	250	U	5	U	330		3.9	J	190	J	6	U	5.2	U
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L	100	U	1400		5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	88-74-4	2-Nitroaniline	ug/L	210	U	500	U	10	U	500	U	10	U	12	U	12	U	10	U
SW8270D	88-75-5	2-Nitrophenol	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	99-09-2	3-Nitroaniline	ug/L	210	U	500	U	10	U	500	U	10	U	12	U	12	U	10	U
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L	210	U	500	U	10	U	500	U	10	U	12	UJ	12	U	10	U
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	106-47-8	4-Chloroaniline	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U

				Location ID	PDI-ONGW-DW-12-07I		PDI-ONGW-DW-5		PDI-ONGW-MW-2R		PDI-ONGW-MW-3DR		PDI-ONGW-MW-6D		PDI-ONGW-MW-8DR		PDI-ONGW-SW-10-09		PDI-ONGW-SW-10-12	
				Sample ID	PDI-ONGW-DW-12-07I-121923		PDI-ONGW-DW-5-010824		PDI-ONGW-MW-2R-010824		PDI-ONGW-MW-3DR-011024		PDI-ONGW-MW-6D-011024		PDI-ONGW-MW-8DR-121823		PDI-ONGW-SW-10-09-010824		PDI-ONGW-SW-10-12-011024	
				Sample Date	12/19/2023		1/8/2024		1/8/2024		1/10/2024		1/10/2024		12/18/2023		1/8/2024		1/10/2024	
				SDG	4802159071		4802162691		4802162691		4802163341		4802163341		4802158471		4802162691		4802163341	
				Lab Sample ID	480-215907-2		480-216269-2		480-216269-4		480-216334-2		480-216334-1		480-215847-1		480-216269-1		480-216334-5	
				Matrix	WG		WG		WG		WG		WG		WG		WG		WG	
				Sample Type Code	N		N		N		N		N		N		N		N	
Method	CAS_RN	Chemical Name	Unit																	
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L	210	U	1600		10	U	500	U	10	U	1.1	J	12	U	10	U
SW8270D	100-01-6	4-Nitroaniline	ug/L	210	U	500	U	10	U	500	U	10	U	12	U	12	U	10	U
SW8270D	100-02-7	4-Nitrophenol	ug/L	210	U	500	U	10	U	500	U	10	U	12	U	12	U	10	U
SW8270D	83-32-9	Acenaphthene	ug/L	140		250	U	5	U	38	J	67	J	61		13		11	
SW8270D	208-96-8	Acenaphthylene	ug/L	34	J	250	U	5	U	110	J	10		6	U	0.71	J	1.2	J
SW8270D	98-86-2	Acetophenone	ug/L	100	U	600		5	U	250	U	5	U	2.7	J	6	U	5.2	U
SW8270D	120-12-7	Anthracene	ug/L	5.9	J	250	U	5	U	250	U	0.96	J	2.1	J	6	U	2.8	J
SW8270D	1912-24-9	Atrazine	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	100-52-7	Benzaldehyde	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L	36	J	250	U	5	U	250	U	13		9.7		6	U	1.1	J
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L	100	U	250	U	5	U	250	U	5	U	6	UJ	6	U	5.2	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	105-60-2	Caprolactam	ug/L	100	U	250	U	5	U	250	U	5	U	7.3		6	U	5.2	U
SW8270D	86-74-8	Carbazole	ug/L	49	J	250	U	5	U	250	U	2.3	J	17		6	U	7.6	
SW8270D	218-01-9	Chrysene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	132-64-9	Dibenzofuran	ug/L	16	J	500	U	10	U	500	U	1.5	J	2.5	J	12	U	9.7	J
SW8270D	84-66-2	Diethyl Phthalate	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	206-44-0	Fluoranthene	ug/L	100	U	250	U	5	U	250	U	1.1	J	6	U	0.67	J	1.2	J
SW8270D	86-73-7	Fluorene	ug/L	39	J	250	U	5	U	250	U	11		13		6	U	28	
SW8270D	118-74-1	Hexachlorobenzene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L	100	U	250	U	5	UJ	250	UJ	5	U	6	UJ	6	UJ	5.2	U
SW8270D	67-72-1	Hexachloroethane	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	78-59-1	Isophorone	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	91-20-3	Naphthalene	ug/L	530		430		5	U	4900		510		2200		18		2.3	J
SW8270D	98-95-3	Nitrobenzene	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L	100	U	250	U	5	U	250	U	5	U	6	U	6	U	5.2	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L	100	U	250	U	5	U	250	U	0.58	J	6	U	6	U	5.2	U
SW8270D	87-86-5	Pentachlorophenol	ug/L	210	U	500	U	10	U	500	UJ	10	U	12	UJ	12	U	10	U
SW8270D	85-01-8	Phenanthrene	ug/L	41	J	250	U	5	U	250	U	4.1	J	8.5		6	U	15	
SW8270D	108-95-2	Phenol	ug/L	100	U	940		5	U	250	U	5	U	21		6	U	5.2	U
SW8270D	129-00-0	Pyrene	ug/L	100	U	250	U	5	U	250	U	1.5	J	6	U	0.9	J	0.74	J
SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	ug/L	0.21	U	1.9		0.21	U	0.21	U	0.2	U	0.22	U	0.21	U	0.22	U
SW9060	TOC	Total Organic Carbon	mg/L	17		2.7		22.5		23.3		2.7		6.1		2.7		18.5	

		Location ID	PDI-ONGW-SW-10-15		PDI-ON-MW-07	
		Sample ID	PDI-ONGW-SW-10-15-121823		PDI-ON-MW-07-122023	
		Sample Date	12/18/2023		12/20/2023	
		SDG	4802158471		4802159351	
		Lab Sample ID	480-215847-2		480-215935-2	
		Matrix	WG		WG	
		Sample Type Code	N		N	
Method	CAS_RN	Chemical Name	Unit			
E1633	763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ng/l	7.6 U	16	U
E1633	1691-99-2	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	19 U	40	U
E1633	24448-09-7	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ng/l	19 U	40	U
E1633	2355-31-9	2-(N-methyl perfluorooctanesulfonamido) acetic acid	ng/l	3.8 U	8	U
E1633	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	ng/l	47 U	100	U
E1633	812-70-4	3-Perfluoroheptyl propanoic acid	ng/l	47 U	100	U
E1633	356-02-5	3-Perfluoropropyl propanoic acid	ng/l	9.5 U	20	U
E1633	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/l	7.6 U	16	U
E1633	756426-58-1	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ng/l	7.6 U	16	UJ
E1633	4151-50-2	N-ethyl perfluoro-1-octanesulfonamide	ng/l	1.9 U	4	U
E1633	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	ng/l	1.9 U	4	U
E1633	31506-32-8	N-methyl perfluoro-1-octanesulfonamide	ng/l	1.9 U	4	U
E1633	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	ng/l	3.8 U	8	U
E1633	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	ng/l	3.8 U	8	U
E1633	13252-13-6	Perfluoro(2-Propoxypropanoic) Acid	ng/l	7.6 U	16	U
E1633	377-73-1	Perfluoro-3-methoxypropanoic acid	ng/l	3.8 U	8	U
E1633	863090-89-5	Perfluoro-4-methoxybutanoic acid	ng/l	3.8 U	8	U
E1633	375-73-5	Perfluorobutanesulfonic acid (PFBS)	ng/l	3.7 J	4	U
E1633	375-22-4	Perfluorobutanoic Acid	ng/l	10	7.8	J
E1633	335-77-3	Perfluorodecane Sulfonic Acid	ng/l	1.9 U	4	U
E1633	335-76-2	Perfluorodecanoic acid (PFDA)	ng/l	1.9 U	4	U
E1633	79780-39-5	Perfluorododecane sulfonate (PFDoDS)	ng/l	1.9 U	4	U
E1633	307-55-1	Perfluorododecanoic acid (PFDoA)	ng/l	1.9 U	4	U
E1633	375-92-8	Perfluoroheptane Sulfonate (PFHPS)	ng/l	1.9 U	4	U
E1633	375-85-9	Perfluoroheptanoic acid (PFHpA)	ng/l	1.6 J	4	U
E1633	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ng/l	1.8 J	2.8	J
E1633	307-24-4	Perfluorohexanoic acid (PFHxA)	ng/l	2.6	2.4	JN
E1633	68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ng/l	1.9 U	4	U
E1633	375-95-1	Perfluorononanoic acid (PFNA)	ng/l	1.9 U	4	U
E1633	754-91-6	Perfluorooctane Sulfonamide (FOSA)	ng/l	1.9 U	4	U
E1633	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ng/l	5.1	5.1	J
E1633	335-67-1	Perfluorooctanoic acid (PFOA)	ng/l	5.7	1.8	J
E1633	2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ng/l	1.9 U	4	U
E1633	2706-90-3	Perfluoropentanoic Acid (PFPeA)	ng/l	39 J	8	U
E1633	376-06-7	Perfluorotetradecanoic acid (PFTA)	ng/l	1.9 U	4	U
E1633	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ng/l	1.9 U	4	U
E1633	2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ng/l	1.9 U	4	U
E1633	39108-34-4	Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	ng/l	7.6 U	16	U
E1633	757124-72-4	Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	ng/l	7.6 U	16	U
E1633	27619-97-2	Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	ng/l	7.6 U	16	U
E1664B	OILGREASE	Oil & Grease, Total Rec	mg/L	1.9 J	3.5	J
E300.0	14808-79-8	Sulfate (As SO4)	mg/L	18.2 J	164	
E353.2	14797-55-8	Nitrogen, Nitrate (As N)	mg/L	0.05 U	1.2	
E353.2	NO3NO2N	Nitrogen, Nitrate-Nitrite	mg/L	0.05 U	1.2	
E353.2	14797-65-0	Nitrogen, Nitrite	mg/L	0.05 U	0.022	J
RSK175	74-84-0	Ethane	ug/L	330 U	7.5	U
RSK175	74-85-1	Ethene	ug/L	310 U	7	U
RSK175	74-82-8	Methane	ug/L	12000	88	
SW6010C	7429-90-5	Aluminum	mg/L	0.14 J	0.2	U
SW6010C	7440-36-0	Antimony	mg/L	0.02 U	0.02	U
SW6010C	7440-38-2	Arsenic	mg/L	0.011 J	0.015	U
SW6010C	7440-39-3	Barium	mg/L	0.15	0.057	
SW6010C	7440-41-7	Beryllium	mg/L	0.002 U	0.002	U
SW6010C	7440-43-9	Cadmium	mg/L	0.00071 J	0.002	U
SW6010C	7440-70-2	Calcium	mg/L	96.6	156	
SW6010C	7440-47-3	Chromium, Total	mg/L	0.004 U	0.0013	J
SW6010C	7440-48-4	Cobalt	mg/L	0.00084 J	0.0027	J
SW6010C	7440-50-8	Copper	mg/L	0.01 U	0.0054	J
SW6010C	7439-89-6	Iron	mg/L	0.61	1.3	
SW6010C	7439-92-1	Lead	mg/L	0.01 U	0.0044	J
SW6010C	7439-95-4	Magnesium	mg/L	91	56.9	
SW6010C	7439-96-5	Manganese	mg/L	0.11	0.094	
SW6010C	7440-02-0	Nickel	mg/L	0.01 U	0.0059	J
SW6010C	7440-09-7	Potassium	mg/L	7.2	10.3	
SW6010C	7782-49-2	Selenium	mg/L	0.025 U	0.065	
SW6010C	7440-22-4	Silver	mg/L	0.006 U	0.006	U
SW6010C	7440-23-5	Sodium	mg/L	213	593	
SW6010C	7440-28-0	Thallium	mg/L	0.02 U	0.02	U
SW6010C	7440-62-2	Vanadium	mg/L	0.005 U	0.005	U

		Location ID	PDI-ONGW-SW-10-15		PDI-ON-MW-07	
		Sample ID	PDI-ONGW-SW-10-15-121823		PDI-ON-MW-07-122023	
		Sample Date	12/18/2023		12/20/2023	
		SDG	4802158471		4802159351	
		Lab Sample ID	480-215847-2		480-215935-2	
		Matrix	WG		WG	
		Sample Type Code	N		N	
Method	CAS_RN	Chemical Name	Unit			
SW6010C	7440-66-6	Zinc	mg/L	0.01 U	0.0046 J	
SW7470A	7439-97-6	Mercury	mg/L	0.0002 U	0.0002 U	
SW8260C	71-55-6	1,1,1-Trichloroethane (TCA)	ug/L	20 U	2 U	
SW8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L	20 U	2 U	
SW8260C	76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/L	20 U	2 U	
SW8260C	79-00-5	1,1,2-Trichloroethane	ug/L	20 U	2 U	
SW8260C	75-34-3	1,1-Dichloroethane	ug/L	20 U	2 U	
SW8260C	75-35-4	1,1-Dichloroethene	ug/L	20 U	2 U	
SW8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L	20 U	2 U	
SW8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	20 U	2 U	
SW8260C	106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/L	20 U	2 U	
SW8260C	95-50-1	1,2-Dichlorobenzene	ug/L	20 U	2 U	
SW8260C	107-06-2	1,2-Dichloroethane	ug/L	20 U	2 U	
SW8260C	78-87-5	1,2-Dichloropropane	ug/L	20 U	2 U	
SW8260C	541-73-1	1,3-Dichlorobenzene	ug/L	20 U	2 U	
SW8260C	106-46-7	1,4-Dichlorobenzene	ug/L	20 U	2 U	
SW8260C	591-78-6	2-Hexanone	ug/L	100 U	10 U	
SW8260C	67-64-1	Acetone	ug/L	200 U	20 U	
SW8260C	71-43-2	Benzene	ug/L	760	2 U	
SW8260C	75-27-4	Bromodichloromethane	ug/L	20 U	2 U	
SW8260C	75-25-2	Bromoform	ug/L	20 U	2 U	
SW8260C	74-83-9	Bromomethane	ug/L	20 U	2 U	
SW8260C	75-15-0	Carbon Disulfide	ug/L	20 U	2 U	
SW8260C	56-23-5	Carbon Tetrachloride	ug/L	20 U	2 U	
SW8260C	108-90-7	Chlorobenzene	ug/L	20 U	2 U	
SW8260C	75-00-3	Chloroethane	ug/L	20 U	2 U	
SW8260C	67-66-3	Chloroform	ug/L	20 U	2 U	
SW8260C	74-87-3	Chloromethane	ug/L	20 U	2 U	
SW8260C	156-59-2	Cis-1,2-Dichloroethylene	ug/L	20 U	2 U	
SW8260C	10061-01-5	Cis-1,3-Dichloropropene	ug/L	20 U	2 U	
SW8260C	110-82-7	Cyclohexane	ug/L	20 U	2 U	
SW8260C	124-48-1	Dibromochloromethane	ug/L	20 U	2 U	
SW8260C	75-71-8	Dichlorodifluoromethane	ug/L	20 U	2 U	
SW8260C	100-41-4	Ethylbenzene	ug/L	110	2 U	
SW8260C	98-82-8	Isopropylbenzene (Cumene)	ug/L	52	2 U	
SW8260C	79-20-9	Methyl Acetate	ug/L	50 U	5 U	
SW8260C	78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/L	200 U	20 U	
SW8260C	108-10-1	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/L	100 U	10 U	
SW8260C	108-87-2	Methylcyclohexane	ug/L	7.1 J	2 U	
SW8260C	75-09-2	Methylene Chloride	ug/L	20 U	2 U	
SW8260C	100-42-5	Styrene	ug/L	20 U	2 U	
SW8260C	1634-04-4	Tert-Butyl Methyl Ether	ug/L	20 U	2 U	
SW8260C	127-18-4	Tetrachloroethylene (PCE)	ug/L	20 U	2 U	
SW8260C	108-88-3	Toluene	ug/L	20 U	2 U	
SW8260C	156-60-5	Trans-1,2-Dichloroethene	ug/L	20 U	2 U	
SW8260C	10061-02-6	Trans-1,3-Dichloropropene	ug/L	20 U	2 U	
SW8260C	79-01-6	Trichloroethylene (TCE)	ug/L	20 U	2 U	
SW8260C	75-69-4	Trichlorofluoromethane	ug/L	20 U	2 U	
SW8260C	75-01-4	Vinyl Chloride	ug/L	20 U	2 U	
SW8260C	1330-20-7	Xylenes	ug/L	16 J	4 U	
SW8270D	95-95-4	2,4,5-Trichlorophenol	ug/L	5 U	5.7 U	
SW8270D	88-06-2	2,4,6-Trichlorophenol	ug/L	5 U	5.7 U	
SW8270D	120-83-2	2,4-Dichlorophenol	ug/L	5 U	5.7 U	
SW8270D	105-67-9	2,4-Dimethylphenol	ug/L	1.3 J	5.7 U	
SW8270D	51-28-5	2,4-Dinitrophenol	ug/L	10 UJ	11 UJ	
SW8270D	121-14-2	2,4-Dinitrotoluene	ug/L	5 U	5.7 U	
SW8270D	606-20-2	2,6-Dinitrotoluene	ug/L	5 U	5.7 U	
SW8270D	91-58-7	2-Chloronaphthalene	ug/L	5 U	5.7 U	
SW8270D	95-57-8	2-Chlorophenol	ug/L	5 U	5.7 U	
SW8270D	91-57-6	2-Methylnaphthalene	ug/L	2.2 J	5.7 U	
SW8270D	95-48-7	2-Methylphenol (O-Cresol)	ug/L	5 U	5.7 U	
SW8270D	88-74-4	2-Nitroaniline	ug/L	10 U	11 U	
SW8270D	88-75-5	2-Nitrophenol	ug/L	5 U	5.7 U	
SW8270D	91-94-1	3,3'-Dichlorobenzidine	ug/L	5 U	5.7 U	
SW8270D	99-09-2	3-Nitroaniline	ug/L	10 U	11 U	
SW8270D	534-52-1	4,6-Dinitro-2-Methylphenol	ug/L	10 UJ	11 U	
SW8270D	101-55-3	4-Bromophenyl Phenyl Ether	ug/L	5 U	5.7 U	
SW8270D	59-50-7	4-Chloro-3-Methylphenol	ug/L	5 U	5.7 U	
SW8270D	106-47-8	4-Chloroaniline	ug/L	5 U	5.7 U	

			Location ID	PDI-ONGW-SW-10-15		PDI-ON-MW-07	
			Sample ID	PDI-ONGW-SW-10-15-121823		PDI-ON-MW-07-122023	
			Sample Date	12/18/2023		12/20/2023	
			SDG	4802158471		4802159351	
			Lab Sample ID	480-215847-2		480-215935-2	
			Matrix	WG		WG	
			Sample Type Code	N		N	
Method	CAS_RN	Chemical Name	Unit				
SW8270D	7005-72-3	4-Chlorophenyl Phenyl Ether	ug/L	5	U	5.7	U
SW8270D	106-44-5	4-Methylphenol (P-Cresol)	ug/L	10	U	11	U
SW8270D	100-01-6	4-Nitroaniline	ug/L	10	U	11	U
SW8270D	100-02-7	4-Nitrophenol	ug/L	10	U	11	U
SW8270D	83-32-9	Acenaphthene	ug/L	170		5.7	U
SW8270D	208-96-8	Acenaphthylene	ug/L	2.2	J	5.7	U
SW8270D	98-86-2	Acetophenone	ug/L	5	U	5.7	U
SW8270D	120-12-7	Anthracene	ug/L	5.2		5.7	U
SW8270D	1912-24-9	Atrazine	ug/L	5	U	5.7	U
SW8270D	100-52-7	Benzaldehyde	ug/L	5	U	5.7	U
SW8270D	56-55-3	Benzo(A)Anthracene	ug/L	0.42	J	5.7	U
SW8270D	50-32-8	Benzo(A)Pyrene	ug/L	5	U	5.7	U
SW8270D	205-99-2	Benzo(B)Fluoranthene	ug/L	5	U	5.7	U
SW8270D	191-24-2	Benzo(G,H,I)Perylene	ug/L	5	U	5.7	U
SW8270D	207-08-9	Benzo(K)Fluoranthene	ug/L	5	U	5.7	U
SW8270D	85-68-7	Benzyl Butyl Phthalate	ug/L	5	U	5.7	U
SW8270D	92-52-4	Biphenyl (Diphenyl)	ug/L	13		5.7	U
SW8270D	111-91-1	Bis(2-Chloroethoxy) Methane	ug/L	5	U	5.7	U
SW8270D	111-44-4	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/L	5	U	5.7	U
SW8270D	108-60-1	Bis(2-Chloroisopropyl) Ether	ug/L	5	UJ	5.7	U
SW8270D	117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/L	5	U	5.7	U
SW8270D	105-60-2	Caprolactam	ug/L	5	U	5.7	U
SW8270D	86-74-8	Carbazole	ug/L	18		5.7	U
SW8270D	218-01-9	Chrysene	ug/L	0.35	J	5.7	U
SW8270D	53-70-3	Dibenz(A,H)Anthracene	ug/L	5	U	5.7	U
SW8270D	132-64-9	Dibenzofuran	ug/L	9.7	J	11	U
SW8270D	84-66-2	Diethyl Phthalate	ug/L	5	U	5.7	U
SW8270D	131-11-3	Dimethyl Phthalate	ug/L	5	U	5.7	U
SW8270D	84-74-2	Di-N-Butyl Phthalate	ug/L	5	U	5.7	U
SW8270D	117-84-0	Di-N-Octylphthalate	ug/L	5	U	5.7	U
SW8270D	206-44-0	Fluoranthene	ug/L	3.2	J	5.7	U
SW8270D	86-73-7	Fluorene	ug/L	45		5.7	U
SW8270D	118-74-1	Hexachlorobenzene	ug/L	5	U	5.7	U
SW8270D	87-68-3	Hexachlorobutadiene	ug/L	5	U	5.7	U
SW8270D	77-47-4	Hexachlorocyclopentadiene	ug/L	5	UJ	5.7	U
SW8270D	67-72-1	Hexachloroethane	ug/L	5	U	5.7	U
SW8270D	193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/L	5	U	5.7	U
SW8270D	78-59-1	Isophorone	ug/L	5	U	5.7	U
SW8270D	91-20-3	Naphthalene	ug/L	5	U	5.7	U
SW8270D	98-95-3	Nitrobenzene	ug/L	5	U	5.7	U
SW8270D	621-64-7	N-Nitrosodi-N-Propylamine	ug/L	5	U	5.7	U
SW8270D	86-30-6	N-Nitrosodiphenylamine	ug/L	0.55	J	5.7	U
SW8270D	87-86-5	Pentachlorophenol	ug/L	10	UJ	11	U
SW8270D	85-01-8	Phenanthrene	ug/L	38		5.7	U
SW8270D	108-95-2	Phenol	ug/L	16		5.7	U
SW8270D	129-00-0	Pyrene	ug/L	4	J	5.7	U
SW8270DSIM	123-91-1	1,4-Dioxane (P-Dioxane)	ug/L	0.2	U	0.23	U
SW9060	TOC	Total Organic Carbon	mg/L	10.7		16.4	

APPENDIX I HYDROGEOLOGICAL STUDY

APPENDIX I
HYDROGEOLOGICAL STUDY
EAST STATION, ROCHESTER, NY
(REVISION 0)

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May 2024

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LIST OF ACRONYMS

Acronym	Definition
EW	Ejection Well
gpm	Gallons per minute
ft^2/day	Square feet per day
MW	Monitoring Well
SW	Shallow Well
RW	Recovery Well

1.0 Introduction

1.1 Purpose

This document describes the execution, analysis, and results of the pumping tests Parsons completed for Iberdrola Avangrid at East Station in Rochester, New York. These tests were completed as part of the Pre-Design Investigation, in which, the objective was to collect pertinent design information for the Selected Remedy as provided in the Record of Decision (NYSDEC, 2022). Remedy elements of Green Remediation, Excavation, NAPL Recovery, and Monitored Natural Attenuation were considered in the design and execution of the pumping tests.

The pumping tests were conducted to:

1. Quantify the hydraulic properties of the subsurface (transmissivity).
2. Assess an estimate of storage in the underlying aquifer to support remedial solutions for the planned dewatering.

As discussed in the main text of the PDI report, only two pumping wells were installed due to predominance of NAPL in potential pumping test locations. Presence of NAPL precludes the ability to perform pumping tests for calculation of aquifer transmissivity as free-phase oils clog the aquifer pores. Therefore, only two pumping wells were tested during the PDI. Based on drilling observations and generally low hydraulic conductivity, two tests are sufficient for calibration of the groundwater model and supporting the remedial design.

1.2 Fieldwork Setup

One 48-hour and one 36-hour pumping test was completed from Monday, December 4, through Friday, December 15, 2023. The pumping tests ran without stopping, and both tests were conducted as constant-rate pumping tests in which a constant discharge rate was maintained as much as possible. It was anticipated that well yield would be low and potentially less than 2 gpm, which might require a constant-head tests. However, constant-rate tests were performed, despite challenges maintaining constant rates at low flows due to equipment/logistics and ability to measure and analyze for slight variations in flow.

Water was pumped from the newly installed wells (EW-01 and EW-03) and discharged into a secondary containment tote. From there, the discharge was pumped to a frac tank using a sump pump. The fieldwork was broken up into two separate shifts with different personnel, with a “day” shift from 07:00 to 19:00 and a “night” shift from 19:00 to 07:00. There was a minor overlap for change in shift and debriefing on any significant events throughout the prior shift.

Both pumping tests followed a similar procedure. A synoptic event occurred prior to the pumping test in which pressure transducers were deployed (see Table 1 and Table 2). Hand measurements were taken at select wells (see Table 1 and Table 2) during the pumping tests, more frequently during the initial phases. The following hand measurement schedule was followed:

1. One measurement every 15 Seconds for the first 0 to 5 minutes after pumping starts.
2. One measurement every 1 minute for the first 5 to 20 minutes after pumping starts.
3. One measurement every 5 minutes for the first 20 to 80 minutes after pumping starts.
4. One measurement every 15 minutes for the first 80 to 260 minutes after pumping starts.
5. One measurement every 60 minutes for the remainder of the test.

Some wells had pressure transducers deployed but they experienced little to no change in water level due to the pumping test, or they experienced changes with water level that were driven by changes in the stage of the Genesee River (Appendix I-2, Figure 1) (USGS 2024), and as such they were omitted from analysis.

During operation of both pumping tests, a Proactive Water Spout 2 pump was used, with a 12 volt car battery as the main power source.

1.3 EW-01 Pumping Test

The first pumping test took place at EW-01. Initial mobilization and set up occurred on Monday, December 4, and the test ran between Tuesday, December 5, and Thursday, December 7. For the test, the pumping rate was constant for most of the test with small fluctuations driven by changes in battery power (see Table 3). During the test, hand measurements were taken at the following wells:

1. EW-01 (Table 3)
2. SW-10-09 (Table 4)
3. MW-8DR (Table 5)
4. RW-4 (Table 6)
5. RW-3 (Table 7)

The pumping test commenced at 13:16:00 on December 5th and ended after 48 hours at 13:15:00 on December 7th. A demobilization took place on Friday, December 8, during which transducers were collected from the surrounding wells (Appendix I-2, Figure 2 for SW-10-09 pressure transducer data) and the site was secured for the weekend.

1.4 EW-03 Pumping Test

The second pumping test took place at EW-03. The initial mobilization took place on Monday, December 11, and the test ran between Tuesday, December 12th and Thursday, December 14th. A diagnostic step-test was designed for the first 3 hours where the pumping rate was controlled under variable discharge conditions (0.5, 1.0, and 1.5 gpm). Following the step test and associated recovery, a constant-rate pumping test began, but ended after approximately six hours due to pump failure. A second test was started in which the pumping rate was held constant throughout, with a small fluctuation occurring around 9 hours in, increasing the flow rate from 1.4 to 1.5 gpm (see Table 8). During the test, hand measurements were taken at the following wells:

1. EW-03 (Table 8)
2. SW-12-05 (Table 9)

The pumping test commenced at 09:50:00 on December 13th and ended after 36 hours at 21:50:00 on December 14th. A final demobilization took place on Friday, December 15, 2023, during which transducers were collected from the surrounding wells (Appendix I-2, Figures 3-5 for EW-03, SW-12-05, and SW-12-06 pressure transducer data) and the site was secured.

1.5 Barometric Efficiency Data collection

A transducer was used to collect data continuously at 15-minute intervals over a 5-week period from December 15 through January 24, 2024, in piezometer wells SW-10-09 and SW-12-05, which are, respectively, adjacent to EW-01 and EW-03. The transducers were retrieved from the wells on January 24, 2024, and data was logged in HOBOware to prepare it for analysis.

2.0 Pumping Test Analysis

2.1 Barometric Efficiency Analysis

Barometric efficiency was calculated using a graphical method for estimation from continuous data following a United States Geological Survey method of scientific investigation (Gonthier, 2007). The data was barometrically corrected in HOBOware using the Barometric Compensation Assistant. Following the correction in HOBOware, the data needed further correction to account for tidal changes and long-term trends in the data. The first of these steps involved correcting for a linear change within the data using a simple mathematical formula:

$$W_{(t)corr} = W_{(t)uncorr} - \tau(t - t_0)$$

Where:

$W_{(t)corr}$ is the corrected water level,

$W_{(t)uncorr}$ is the uncorrected water level (the raw data following barometric compensation in HOBOware),

and

τ is the rate of water level change per unit of time determined by ordinary least squares.

Following this correction, a centered-daily-moving average was applied to the data that was slightly longer than a 24-hour period (97 15-minute data points) to account for daily fluctuations. After the corrections were applied to the water level data, the centered-daily-moving average was applied to the pressure data to ensure consistency in values. After the data were plotted, the average slopes were calculated from each of the prominent ellipses (Appendix I-2, Figures 6 and 7), using methods described in Gonthier, 2007. The inverse of the average of the combined slopes were used as the barometric efficiency value.

The values for barometric efficiency were as follows:

SW-10-09: 0.217 (Appendix I-2, Figure 6)
SW-12-05: 0.192 (Appendix I-2, Figure 7)

The values for the barometric efficiency were applied within Aquifer Test to their respective pumping wells prior to analysis of the pumping test data.

2.2 EW-01 Pumping Test Analysis

For the pumping test at EW-01, the Hantush Leaky Confined solution (Hantush, 1960) was used in AquiferTest Pro to analyze the pumping data at EW-01, which was divided into an early and late data analysis (Appendix I-2, Figures 8 and 9), and SW-10-09 (Appendix I-2, Figure 10) during the 36-hour test. The data were analyzed using a variable pumping rate with an average of 0.95 gpm, confined conditions with a 19-foot-thick aquifer, and a barometric efficiency of 0.192. The transmissivity for the two wells were observed to be:

EW-01: 11.9 square feet per day (ft^2/day) (0.624 ft/day)

SW-10-09: 6.45 ft^2/day (0.34 ft/day)

2.3 EW-03 Pumping Test Analysis

For the pumping test at EW-03, the Hantush Leaky Confined solution (Hantush, 1960) was used in Aquifer Test Pro to analyze the pumping data at EW-03 (Appendix I-2, Figure 11), SW-12-05 (Appendix I-2, Figure 12), and SW-12-06 (Appendix I-2, Figure 13). The step-test was not analyzed separately as the long-term 36-hour test was more appropriate for evaluating Hydraulic parameters and boundary conditions. A variable pumping rate was applied to this data with an average of 0.15 gpm during the 36-hour test. The aquifer was assumed to be confined with a thickness of 19 feet and a barometric efficiency of 0.217. The transmissivities for the three wells are:

EW-03: 9.66 ft^2/day (0.508 ft/day)

SW-12-05: 240 ft^2/day (12.6 ft/day)

SW-12-06: 154 ft^2/day (8.09 ft/day)

2.4 References

Gonthier, G. J. (2007), A Graphical Method for Estimation of Barometric Efficiency from Continuous Data – Concepts and Application to a Site in the Piedmont Air Force Plant 6, Marietta, Georgia, Scientific Investigation Report 2007-5111, U.S. Department of the Interior, U.S. Geological Survey

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Table 1. Summary Monitoring Well list for EW-01

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Well ID	Starting Depth to water (ft from TOC)	Total Depth (ft from TOC)	Transducer Depth (ft from TOC)	Transducer Collection Interval (Seconds)	Transducer Deployment Time (December 5th 2023)
MW-6	12.55	23.68	30.55	30.00	10:05
DW-10-01R	30.52	92.89	-	30.00	10:28
SW-10-09[1]	18.72	30.73	24.00	30.00	10:46
SW-12-20	17.84	72.91	27.00	30.00	10:58
SW-10-10	17.37	25.11	21.00	30.00	11:05
RW-3[1]	14.90	20.31	17.50	30.00	11:25
RW-4[1]	14.42	20.15	17.50	30.00	11:40
SW-10-12	12.69	21.36	17.00	30.00	11:50
MW-3DR	10.32	35.25	20.00	30.00	12:00
SW-10-15	19.33	26.28	22.50	30.00	12:20
EW-01[1]	18.22	-	23.00	30.00	12:29
RW-3*	-	-	-	900.00	12:35
MW-8DR[1]	9.99	38.6	-	-	-

Notes:

* Barometric correction transducer, placed in well cap

1 Manual readings taken at these wells throughout the test

Table 2. Summary Monitoring Well list for EW-03

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Well ID	Starting Depth to water (ft from TOC)	Total Depth (ft from TOC)	Transducer Depth (ft from TOC)	Transducer Collection Interval (Seconds)	Transducer Deployment Time (December 11th 2023)
SW-12-05[1]	11.78	26.94	20.00	30.00	9:46
SW-12-06	16.49	36.70	25.00	30.00	9:55
DW-12-06R	16.27	72.00	25.00	30.00	10:07
SW-10-12	12.59	21.36	17.00	30.00	10:18
MW-7	18.71	28.62	23.00	30.00	10:48
MW-6	12.25	23.68	14.50	30.00	11:00
DW-10-01R	30.25	92.89	35.00	30.00	11:05
SW-12-10	9.04	14.50	11.00	30.00	11:26
SW-12-01	10.97	23.10	16.00	30.00	11:34
SW-12-04	4.53	15.60	10.00	30.00	11:52
EW-03[1]	11.56	30.50	28.00	30.00	12:00
DW-10-01R*	-	-	-	-	-

Notes:

* Barometric correction transducer, placed in well cap

1 Manual readings taken at these wells throughout the test

Table 3. Hand Measurements and Pumping Rates for EW-01

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/5/2023	13:16:00	1.6	18.19
12/5/2023	13:16:15	1.6	18.20
12/5/2023	13:16:30	1.6	18.23
12/5/2023	13:16:45	1.6	18.27
12/5/2023	13:17:00	1.6	18.30
12/5/2023	13:17:15	1.6	18.51
12/5/2023	13:17:30	1.6	18.68
12/5/2023	13:17:45	1.6	18.84
12/5/2023	13:18:00	1.6	18.90
12/5/2023	13:18:15	1.6	18.92
12/5/2023	13:18:30	1.6	18.95
12/5/2023	13:18:45	1.6	18.97
12/5/2023	13:19:00	1.6	18.98
12/5/2023	13:19:15	1.6	18.99
12/5/2023	13:19:30	1.6	19.00
12/5/2023	13:19:45	1.6	19.03
12/5/2023	13:20:00	1.6	19.09
12/5/2023	13:20:15	1.6	19.11
12/5/2023	13:20:30	1.6	19.13
12/5/2023	13:20:45	1.6	19.15
12/5/2023	13:21:00	1.6	19.19
12/5/2023	13:22:00	1.6	19.27
12/5/2023	13:23:00	1.6	19.33
12/5/2023	13:24:00	1.6	19.41
12/5/2023	13:25:00	1.6	19.45
12/5/2023	13:26:00	1.6	19.48
12/5/2023	13:27:00	1.6	19.51
12/5/2023	13:28:00	1.6	19.55
12/5/2023	13:29:00	1.6	19.58
12/5/2023	13:30:00	1.6	19.62
12/5/2023	13:31:00	1.6	19.66
12/5/2023	13:32:00	1.6	19.68
12/5/2023	13:33:00	1.6	19.71
12/5/2023	13:34:00	1.6	19.74
12/5/2023	13:35:00	1.6	19.78
12/5/2023	13:36:00	1.6	19.81
12/5/2023	13:37:00	1.6	19.84
12/5/2023	13:38:00	1.6	19.86
12/5/2023	13:39:00	1.6	19.89

Table 3. Hand Measurements and Pumping Rates for EW-01

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/5/2023	13:40:00	1.6	19.91
12/5/2023	13:41:00	1.6	19.93
12/5/2023	13:46:00	1.6	19.95
12/5/2023	13:51:00	1.6	19.99
12/5/2023	13:56:00	1.6	20.06
12/5/2023	14:01:00	1.6	20
12/5/2023	14:06:00	1.6	20.05
12/5/2023	14:11:00	1.6	20.1
12/5/2023	14:15:00	1.6	20.12
12/5/2023	14:21:00	1.6	20.14
12/5/2023	14:26:00	1.6	20.15
12/5/2023	14:31:00	1.6	20.16
12/5/2023	14:36:00	1.5	20.19
12/5/2023	14:41:00	1.5	20.23
12/5/2023	14:56:00	1.5	20.26
12/5/2023	15:11:00	1.5	20.32
12/5/2023	15:26:00	1.5	20.31
12/5/2023	15:41:00	1.5	20.3
12/5/2023	15:56:00	1.4	20.25
12/5/2023	16:11:00	1	19.41
12/5/2023	16:26:00	0.5	18.59
12/5/2023	16:41:00	1.7	20.16
12/5/2023	16:56:00	1.6	21.19
12/5/2023	17:11:00	1.6	23.25
12/5/2023	17:26:00	0.8	24.29
12/5/2023	17:41:00	0.8	22.39
12/5/2023	17:56:00	0.8	21.87
12/5/2023	18:03:00	0.8	19.43
12/5/2023	18:18:00	0.8	19.29
12/5/2023	18:30:00	0.8	19.23
12/5/2023	18:45:00	0.8	19.22
12/5/2023	19:00:00	0.8	19.28
12/5/2023	19:15:00	0.8	19.11
12/5/2023	19:50:00	0.8	19.14
12/5/2023	20:15:00	0.8	19.4
12/5/2023	21:15:00	0.8	19.2
12/5/2023	22:15:00	0.8	19.42
12/5/2023	23:15:00	0.8	19.22
12/6/2023	0:15:00	0.8	19.22

Table 3. Hand Measurements and Pumping Rates for EW-01

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/6/2023	1:15:00	0.8	19.1
12/6/2023	2:15:00	0.8	19.3
12/6/2023	3:15:00	0.8	19.2
12/6/2023	4:15:00	0.8	19.3
12/6/2023	5:15:00	0.8	19.22
12/6/2023	6:15:00	0.8	19.22
12/6/2023	7:15:00	0.8	19.54
12/6/2023	8:15:00	0.8	19.22
12/6/2023	9:15:00	0.8	19.49
12/6/2023	10:15:00	0.8	19.5
12/6/2023	11:15:00	0.8	19.5
12/6/2023	12:15:00	0.8	19.5
12/6/2023	13:15:00	0.8	19.53
12/6/2023	14:15:00	0.8	19.5
12/6/2023	15:15:00	0.8	19.57
12/6/2023	16:15:00	0.8	19.59
12/6/2023	17:15:00	0.8	19.6
12/6/2023	18:15:00	0.8	19.61
12/6/2023	19:37:00	0.8	19.56
12/6/2023	20:15:00	1.2	22
12/6/2023	21:15:00	1.1	21.12
12/6/2023	22:15:00	1	21.3
12/6/2023	23:15:00	0.8	22.3
12/7/2023	0:15:00	0.9	20.19
12/7/2023	1:15:00	1.1	20.18
12/7/2023	2:15:00	1.1	23.7
12/7/2023	3:15:00	1.1	22.7
12/7/2023	4:15:00	1.1	22.3
12/7/2023	5:15:00	1.1	22.49
12/7/2023	6:15:00	1.1	22.55
12/7/2023	7:15:00	1.1	22.62
12/7/2023	8:15:00	1.1	21.43
12/7/2023	9:15:00	1.1	22.77
12/7/2023	10:15:00	1.1	24.9
12/7/2023	10:25:00	1	24.32
12/7/2023	10:30:00	1.1	23.82
12/7/2023	10:31:00	1.1	23.59
12/7/2023	10:32:00	1.1	23.15
12/7/2023	10:36:00	1.1	22.82

Table 3. Hand Measurements and Pumping Rates for EW-01

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/7/2023	10:41:00	1.1	22.72
12/7/2023	10:43:00	1.1	22.52
12/7/2023	10:50:00	1.1	21.86
12/7/2023	10:55:00	1.1	21.5
12/7/2023	10:59:00	1.1	21.21
12/7/2023	11:01:00	1.3	21.5
12/7/2023	11:07:00	1.3	22
12/7/2023	11:16:00	1.1	22.43
12/7/2023	11:40:00	1.1	20.51
12/7/2023	11:41:00	1.2	20.8
12/7/2023	12:05:00	1.1	21.3
12/7/2023	12:15:00	1.1	21.61
12/7/2023	13:15:00	1.1	22.19
12/7/2023	13:23:00	0	21.95
12/7/2023	13:23:15	0	21.59
12/7/2023	13:23:30	0	21.41
12/7/2023	13:23:45	0	21.25
12/7/2023	13:24:00	0	20.96
12/7/2023	13:24:15	0	20..73
12/7/2023	13:24:30	0	20.58
12/7/2023	13:24:45	0	20.29
12/7/2023	13:25:00	0	20.12
12/7/2023	13:25:15	0	20.04
12/7/2023	13:25:30	0	19.96
12/7/2023	13:25:45	0	19.87
12/7/2023	13:26:00	0	19.71
12/7/2023	13:26:15	0	19.65
12/7/2023	13:26:30	0	19.59
12/7/2023	13:26:45	0	19.52
12/7/2023	13:27:00	0	19.35
12/7/2023	13:27:15	0	19.28
12/7/2023	13:27:30	0	19.2
12/7/2023	13:27:45	0	19.11
12/7/2023	13:28:00	0	18.89
12/7/2023	13:29:00	0	18.7
12/7/2023	13:30:00	0	18.64
12/7/2023	13:31:00	0	18.59
12/7/2023	13:32:00	0	18.55
12/7/2023	13:33:00	0	18.53

Table 3. Hand Measurements and Pumping Rates for EW-01

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/7/2023	13:34:00	0	18.51
12/7/2023	13:35:00	0	18.49
12/7/2023	13:36:00	0	18.48
12/7/2023	13:37:00	0	18.46
12/7/2023	13:38:00	0	18.45
12/7/2023	13:39:00	0	18.45
12/7/2023	13:40:00	0	18.44
12/7/2023	13:41:00	0	18.44
12/7/2023	13:42:00	0	18.43
12/7/2023	13:43:00	0	18.43
12/7/2023	13:44:00	0	18.43
12/7/2023	13:45:00	0	18.42
12/7/2023	13:46:00	0	18.42
12/7/2023	13:47:00	0	18.42
12/7/2023	13:48:00	0	18.42
12/7/2023	13:53:00	0	18.41
12/7/2023	13:58:00	0	18.41
12/7/2023	14:03:00	0	18.4
12/7/2023	14:08:00	0	18.4
12/7/2023	14:13:00	0	18.4
12/7/2023	14:18:00	0	18.4
12/7/2023	14:23:00	0	18.4
12/7/2023	14:28:00	0	18.4
12/7/2023	14:33:00	0	18.4
12/7/2023	14:38:00	0	18.4
12/7/2023	14:43:00	0	18.4

Table 4. Hand Measurements for SW-10-09
Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/5/2023	13:16:00	18.70
12/5/2023	13:16:15	18.70
12/5/2023	13:16:30	18.70
12/5/2023	13:16:45	18.70
12/5/2023	13:17:00	18.70
12/5/2023	13:17:15	18.70
12/5/2023	13:17:30	18.70
12/5/2023	13:17:45	18.70
12/5/2023	13:18:00	18.70
12/5/2023	13:18:15	18.71
12/5/2023	13:18:30	18.70
12/5/2023	13:18:45	18.70
12/5/2023	13:19:00	18.70
12/5/2023	13:19:15	18.70
12/5/2023	13:19:30	18.70
12/5/2023	13:19:45	18.70
12/5/2023	13:20:00	18.70
12/5/2023	13:20:15	18.71
12/5/2023	13:20:30	18.71
12/5/2023	13:20:45	18.70
12/5/2023	13:21:00	18.71
12/5/2023	13:22:00	18.71
12/5/2023	13:23:00	18.71
12/5/2023	13:24:00	18.71
12/5/2023	13:25:00	18.71
12/5/2023	13:26:00	18.71
12/5/2023	13:27:00	18.71
12/5/2023	13:28:00	18.71
12/5/2023	13:29:00	18.71
12/5/2023	13:30:00	18.71
12/5/2023	13:31:00	18.71
12/5/2023	13:32:00	18.71
12/5/2023	13:33:00	18.71
12/5/2023	13:34:00	18.72
12/5/2023	13:35:00	18.72
12/5/2023	13:36:00	18.72
12/5/2023	13:37:00	18.72
12/5/2023	13:38:00	18.72
12/5/2023	13:39:00	18.72
12/5/2023	13:40:00	18.72
12/5/2023	13:41:00	18.72
12/5/2023	13:46:00	18.72
12/5/2023	13:51:00	18.72
12/5/2023	13:56:00	18.72
12/5/2023	14:01:00	18.73
12/5/2023	14:06:00	18.73
12/5/2023	14:11:00	18.73
12/5/2023	14:15:00	18.73
12/5/2023	14:21:00	18.73
12/5/2023	14:26:00	18.73
12/5/2023	14:31:00	18.73
12/5/2023	14:36:00	18.73

Table 4. Hand Measurements for SW-10-09
Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/5/2023	14:41:00	18.74
12/5/2023	14:56:00	18.74
12/5/2023	15:11:00	18.76
12/5/2023	15:26:00	18.76
12/5/2023	15:41:00	18.76
12/5/2023	15:56:00	18.76
12/5/2023	16:11:00	18.76
12/5/2023	16:26:00	18.76
12/5/2023	16:41:00	18.76
12/5/2023	16:56:00	18.76
12/5/2023	17:11:00	18.79
12/5/2023	17:26:00	18.79
12/5/2023	17:41:00	18.79
12/5/2023	18:03:00	18.78
12/5/2023	18:18:00	18.78
12/5/2023	18:38:00	18.79
12/5/2023	18:45:00	18.78
12/5/2023	19:00:00	18.78
12/5/2023	19:15:00	18.77
12/5/2023	19:50:00	18.78
12/5/2023	20:15:00	18.78
12/5/2023	21:15:00	18.8
12/5/2023	22:15:00	18.8
12/5/2023	23:15:00	18.8
12/6/2023	0:15:00	18.8
12/6/2023	1:15:00	18.8
12/6/2023	2:15:00	18.8
12/6/2023	3:15:00	18.8
12/6/2023	4:15:00	18.8
12/6/2023	5:15:00	18.81
12/6/2023	6:15:00	18.82
12/6/2023	7:15:00	18.82
12/6/2023	8:15:00	18.82
12/6/2023	9:15:00	18.8
12/6/2023	10:15:00	18.85
12/6/2023	11:15:00	18.85
12/6/2023	12:15:00	18.84
12/6/2023	13:15:00	18.85
12/6/2023	14:15:00	18.85
12/6/2023	15:15:00	18.85
12/6/2023	16:15:00	18.86
12/6/2023	17:15:00	18.87
12/6/2023	18:15:00	18.87
12/6/2023	19:37:00	18.88
12/6/2023	20:15:00	18.85
12/6/2023	21:15:00	18.88
12/6/2023	22:15:00	18.88
12/6/2023	23:15:00	18.88
12/7/2023	0:15:00	18.88
12/7/2023	1:15:00	8.88
12/7/2023	2:15:00	18.88
12/7/2023	3:15:00	18.91

Table 4. Hand Measurements for SW-10-09
Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/7/2023	4:15:00	18.91
12/7/2023	5:15:00	18.92
12/7/2023	6:15:00	18.93
12/7/2023	7:15:00	18.93
12/7/2023	8:15:00	18.99
12/7/2023	9:15:00	18.97
12/7/2023	10:15:00	19
12/7/2023	11:00:00	18.99
12/7/2023	12:15:00	19
12/7/2023	13:15:00	19
12/7/2023	13:22:00	18.99
12/7/2023	13:22:15	18.99
12/7/2023	13:22:30	18.98
12/7/2023	13:22:45	18.98
12/7/2023	13:23:00	18.98
12/7/2023	13:23:15	18.97
12/7/2023	13:23:30	18.97
12/7/2023	13:23:45	18.97
12/7/2023	13:24:00	18.97
12/7/2023	13:24:15	18.97
12/7/2023	13:24:30	18.97
12/7/2023	13:24:45	18.97
12/7/2023	13:25:00	18.97
12/7/2023	13:25:15	18.97
12/7/2023	13:25:30	18.97
12/7/2023	13:25:45	18.97
12/7/2023	13:26:00	18.97
12/7/2023	13:26:15	18.96
12/7/2023	13:26:30	18.96
12/7/2023	13:26:45	18.97
12/7/2023	13:27:00	18.97
12/7/2023	13:28:00	18.97
12/7/2023	13:29:00	18.97
12/7/2023	13:30:00	18.97
12/7/2023	13:31:00	18.97
12/7/2023	13:32:00	18.96
12/7/2023	13:33:00	18.96
12/7/2023	13:34:00	18.96
12/7/2023	13:35:00	18.96
12/7/2023	13:36:00	18.96
12/7/2023	13:37:00	18.96
12/7/2023	13:38:00	18.96
12/7/2023	13:39:00	18.96
12/7/2023	13:40:00	18.96
12/7/2023	13:41:00	18.96
12/7/2023	13:42:00	18.96
12/7/2023	13:43:00	18.96
12/7/2023	13:44:00	18.96
12/7/2023	13:45:00	18.95
12/7/2023	13:46:00	18.95
12/7/2023	13:47:00	18.95
12/7/2023	13:52:00	18.95

Table 4. Hand Measurements for SW-10-09

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/7/2023	13:57:00	18.95
12/7/2023	14:02:00	18.95
12/7/2023	14:07:00	18.95
12/7/2023	14:12:00	18.95
12/7/2023	14:17:00	18.95
12/7/2023	14:22:00	18.95
12/7/2023	14:27:00	18.95
12/7/2023	14:32:00	18.95
12/7/2023	14:37:00	18.95
12/7/2023	14:42:00	18.94
12/7/2023	14:47:00	18.94

Table 5. Hand Measurements for MW-8DR
Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/5/2023	13:31:00	17.61
12/5/2023	13:46:00	17.61
12/5/2023	14:01:00	17.61
12/5/2023	14:16:00	17.61
12/5/2023	14:31:00	17.61
12/5/2023	14:46:00	17.61
12/5/2023	15:01:00	17.61
12/5/2023	15:16:00	17.61
12/5/2023	15:31:00	17.61
12/5/2023	15:46:00	17.61
12/5/2023	16:01:00	17.61
12/5/2023	16:16:00	17.61
12/5/2023	16:31:00	17.61
12/5/2023	16:46:00	17.61
12/5/2023	17:01:00	17.61
12/5/2023	17:16:00	17.61
12/5/2023	18:15:00	17.61
12/5/2023	19:15:00	17.61
12/5/2023	20:15:00	17.61
12/5/2023	21:15:00	17.61
12/5/2023	22:15:00	17.61
12/5/2023	23:15:00	17.61
12/6/2023	0:15:00	17.61
12/6/2023	1:15:00	17.61
12/6/2023	2:15:00	17.61
12/6/2023	3:15:00	17.61
12/6/2023	4:15:00	17.61
12/6/2023	5:15:00	17.61
12/6/2023	6:15:00	17.61
12/6/2023	7:15:00	17.59
12/6/2023	8:15:00	17.59
12/6/2023	9:15:00	17.59
12/6/2023	10:15:00	17.6
12/6/2023	11:15:00	17.62
12/6/2023	12:15:00	17.6
12/6/2023	13:15:00	17.6
12/6/2023	14:15:00	17.61
12/6/2023	15:15:00	17.59
12/6/2023	16:15:00	17.61
12/6/2023	17:15:00	17.58
12/6/2023	18:15:00	17.6
12/6/2023	19:38:00	17.61
12/6/2023	20:15:00	17.61
12/6/2023	21:15:00	17.61
12/6/2023	22:15:00	17.61
12/6/2023	23:15:00	17.61
12/7/2023	0:15:00	17.61
12/7/2023	1:15:00	17.61
12/7/2023	2:15:00	17.61
12/7/2023	3:15:00	17.61
12/7/2023	4:15:00	17.61
12/7/2023	5:15:00	17.61

Table 5. Hand Measurements for MW-8DR

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/7/2023	6:15:00	17.61
12/7/2023	7:15:00	17.53
12/7/2023	8:15:00	17.52
12/7/2023	9:15:00	17.49
12/7/2023	10:15:00	17.51
12/7/2023	11:15:00	17.5
12/7/2023	12:15:00	17.5
12/7/2023	13:15:00	17.49
12/7/2023	13:37:00	17.49
12/7/2023	13:52:00	17.5
12/7/2023	14:07:00	17.51
12/7/2023	14:22:00	17.52
12/7/2023	14:37:00	17.53
12/7/2023	14:52:00	17.53

Table 6. Hand Measurements for RW-4
Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/5/2023	14:19:00	14.52
12/5/2023	15:15:00	14.49
12/5/2023	16:15:00	14.51
12/5/2023	17:15:00	14.51
12/5/2023	18:15:00	14.51
12/5/2023	19:15:00	14.50
12/5/2023	20:15:00	14.50
12/5/2023	21:15:00	14.50
12/5/2023	22:15:00	14.50
12/5/2023	23:15:00	14.50
12/6/2023	0:15:00	14.51
12/6/2023	1:15:00	14.51
12/6/2023	2:15:00	14.51
12/6/2023	3:15:00	14.51
12/6/2023	4:15:00	14.51
12/6/2023	5:15:00	14.53
12/6/2023	6:15:00	14.53
12/6/2023	7:15:00	14.52
12/6/2023	8:15:00	14.52
12/6/2023	9:15:00	14.52
12/6/2023	10:15:00	14.50
12/6/2023	11:15:00	14.50
12/6/2023	12:15:00	14.50
12/6/2023	13:15:00	14.49
12/6/2023	14:15:00	14.50
12/6/2023	15:15:00	14.49
12/6/2023	16:15:00	14.50
12/6/2023	17:15:00	14.49
12/6/2023	18:15:00	14.51
12/6/2023	19:15:00	14.51
12/6/2023	20:15:00	14.51
12/6/2023	21:15:00	14.51
12/6/2023	22:15:00	14.51
12/6/2023	23:15:00	14.51
12/7/2023	0:15:00	14.51
12/7/2023	1:15:00	14.51
12/7/2023	2:15:00	14.51
12/7/2023	3:15:00	14.51
12/7/2023	4:15:00	14.51
12/7/2023	5:15:00	14.51
12/7/2023	6:15:00	14.51
12/7/2023	7:15:00	14.51
12/7/2023	8:15:00	14.52
12/7/2023	9:15:00	14.52
12/7/2023	10:15:00	14.52
12/7/2023	11:15:00	14.54
12/7/2023	12:15:00	14.54
12/7/2023	13:15:00	14.56
12/7/2023	14:22:00	14.55

Table 7. Hand Measurements for RW-3

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/6/2023	8:30:00	14.90
12/6/2023	9:15:00	14.90
12/6/2023	10:15:00	14.90
12/6/2023	11:15:00	14.90
12/6/2023	12:15:00	14.90
12/6/2023	13:15:00	14.90
12/6/2023	14:15:00	14.90
12/6/2023	15:15:00	14.89
12/6/2023	16:15:00	14.90
12/6/2023	17:15:00	14.89
12/6/2023	18:15:00	14.91
12/6/2023	19:37:00	14.90
12/6/2023	20:15:00	14.92
12/6/2023	21:15:00	14.95
12/6/2023	22:15:00	14.95
12/6/2023	23:15:00	14.92
12/7/2023	0:15:00	14.95
12/7/2023	1:15:00	14.91
12/7/2023	2:15:00	14.93
12/7/2023	3:15:00	14.93
12/7/2023	4:15:00	14.96
12/7/2023	5:15:00	14.96
12/7/2023	6:15:00	14.95
12/7/2023	7:15:00	14.92
12/7/2023	8:15:00	14.91
12/7/2023	9:15:00	14.91
12/7/2023	10:15:00	14.92
12/7/2023	11:15:00	14.93
12/7/2023	12:15:00	14.95
12/7/2023	13:15:00	14.95
12/7/2023	14:22:00	14.95

Table 8. EW-03 Pumping Rates and Hand Measurements

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/13/2023	9:50:00	1.4	11.85
12/13/2023	9:50:15	1.4	11.92
12/13/2023	9:50:30	1.4	12.06
12/13/2023	9:50:45	1.4	12.38
12/13/2023	9:51:00	1.4	12.67
12/13/2023	9:51:15	1.4	12.82
12/13/2023	9:51:30	1.4	12.91
12/13/2023	9:51:45	1.4	13.01
12/13/2023	9:52:00	1.4	13.26
12/13/2023	9:52:15	1.4	13.35
12/13/2023	9:52:30	1.4	13.43
12/13/2023	9:52:45	1.4	13.5
12/13/2023	9:53:00	1.4	13.57
12/13/2023	9:53:15	1.4	13.62
12/13/2023	9:53:30	1.4	13.7
12/13/2023	9:53:45	1.4	13.77
12/13/2023	9:54:00	1.4	13.85
12/13/2023	9:54:15	1.4	13.89
12/13/2023	9:54:30	1.4	13.95
12/13/2023	9:54:45	1.4	14.03
12/13/2023	9:55:00	1.4	14.23
12/13/2023	9:56:00	1.4	14.61
12/13/2023	9:57:00	1.4	14.97
12/13/2023	9:58:00	1.4	15.12
12/13/2023	9:59:00	1.4	15.28
12/13/2023	10:00:00	1.4	15.45
12/13/2023	10:01:00	1.4	15.7
12/13/2023	10:02:00	1.4	15.85
12/13/2023	10:03:00	1.4	15.98
12/13/2023	10:04:00	1.4	16.15
12/13/2023	10:05:00	1.4	16.33
12/13/2023	10:06:00	1.4	16.59
12/13/2023	10:07:00	1.4	16.73
12/13/2023	10:08:00	1.4	16.87
12/13/2023	10:09:00	1.4	16.95
12/13/2023	10:10:00	1.4	17.17
12/13/2023	10:11:00	1.4	17.34
12/13/2023	10:12:00	1.4	17.47
12/13/2023	10:13:00	1.4	17.6

Table 8. EW-03 Pumping Rates and Hand Measurements

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/13/2023	10:14:00	1.4	17.73
12/13/2023	10:15:00	1.4	17.89
12/13/2023	10:20:00	1.4	18.37
12/13/2023	10:25:00	1.4	18.82
12/13/2023	10:30:00	1.4	19.21
12/13/2023	10:35:00	1.4	19.44
12/13/2023	10:40:00	1.4	19.72
12/13/2023	10:45:00	1.4	19.97
12/13/2023	10:50:00	1.4	20.13
12/13/2023	10:55:00	1.4	20.21
12/13/2023	11:00:00	1.4	20.4
12/13/2023	11:05:00	1.4	20.48
12/13/2023	11:10:00	1.4	20.59
12/13/2023	11:15:00	1.4	20.68
12/13/2023	11:30:00	1.4	20.92
12/13/2023	11:45:00	1.4	21.06
12/13/2023	12:00:00	1.4	21.15
12/13/2023	12:15:00	1.4	21.26
12/13/2023	12:30:00	1.4	21.38
12/13/2023	12:45:00	1.4	21.51
12/13/2023	13:00:00	1.4	21.59
12/13/2023	13:15:00	1.4	21.66
12/13/2023	13:30:00	1.4	21.65
12/13/2023	13:45:00	1.4	21.68
12/13/2023	14:00:00	1.4	21.64
12/13/2023	14:15:00	1.4	21.64
12/13/2023	15:15:00	1.4	21.64
12/13/2023	16:15:00	1.4	21.66
12/13/2023	17:15:00	1.4	21.77
12/13/2023	18:15:00	1.4	21.79
12/13/2023	19:15:00	1.5	21.86
12/13/2023	20:15:00	1.5	21.66
12/13/2023	21:15:00	1.5	20.69
12/13/2023	22:15:00	1.5	20.66
12/13/2023	23:15:00	1.5	20.59
12/14/2023	0:15:00	1.5	20.55
12/14/2023	1:15:00	1.5	20.66
12/14/2023	2:15:00	1.5	20.64
12/14/2023	3:15:00	1.5	20.67

Table 8. EW-03 Pumping Rates and Hand Measurements

Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/14/2023	4:15:00	1.5	20.67
12/14/2023	5:15:00	1.5	20.66
12/14/2023	6:15:00	1.5	20.65
12/14/2023	7:15:00	1.5	20.66
12/14/2023	8:15:00	1.5	21.47
12/14/2023	9:15:00	1.5	21.54
12/14/2023	10:15:00	1.5	21.53
12/14/2023	11:15:00	1.5	21.53
12/14/2023	12:15:00	1.5	21.71
12/14/2023	13:15:00	1.5	21.69
12/14/2023	14:15:00	1.5	21.64
12/14/2023	15:15:00	1.5	21.53
12/14/2023	16:15:00	1.5	21.92
12/14/2023	17:15:00	1.5	21.96
12/14/2023	18:15:00	1.5	22.1
12/14/2023	19:15:00	1.5	21.4
12/14/2023	20:15:00	1.5	21.45
12/14/2023	21:15:00	1.5	21.22
12/14/2023	21:50:00	1.5	21.1
12/14/2023	21:50:15	0	20.95
12/14/2023	21:50:30	0	20.76
12/14/2023	21:50:45	0	20.52
12/14/2023	21:51:00	0	20.42
12/14/2023	21:51:15	0	20.25
12/14/2023	21:51:30	0	20.1
12/14/2023	21:51:45	0	19.98
12/14/2023	21:52:00	0	19.8
12/14/2023	21:52:15	0	19.65
12/14/2023	21:52:30	0	19.54
12/14/2023	21:52:45	0	19.43
12/14/2023	21:53:00	0	19.3
12/14/2023	21:53:15	0	19.18
12/14/2023	21:53:30	0	19.09
12/14/2023	21:53:45	0	18.96
12/14/2023	21:54:00	0	18.84
12/14/2023	21:54:15	0	18.74
12/14/2023	21:54:30	0	18.62
12/14/2023	21:54:45	0	18.53
12/14/2023	21:55:00	0	18.41

Table 8. EW-03 Pumping Rates and Hand Measurements

Iberdrola Avangrid - 2023 Hydrogeological Investigation

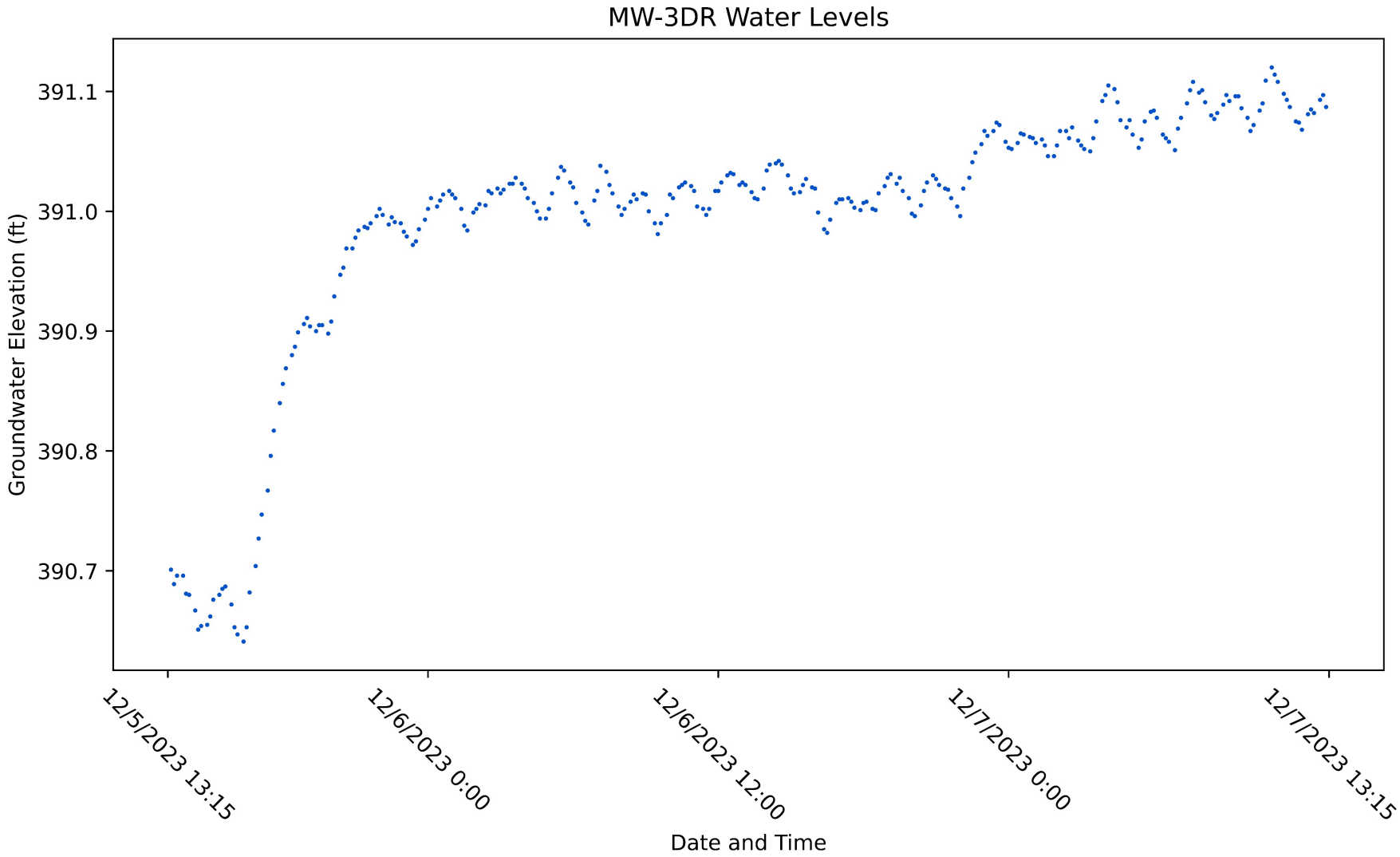
Date	Time	Pumping Rate (Gallons per minute)	Hand Measurement Depth to Water (ft from TOC)
12/14/2023	21:56:00	0	18
12/14/2023	21:57:00	0	17.69
12/14/2023	21:58:00	0	17.27
12/14/2023	21:59:00	0	16.98
12/14/2023	22:00:00	0	16.64
12/14/2023	22:01:00	0	16.3
12/14/2023	22:02:00	0	16.11
12/14/2023	22:03:00	0	15.89
12/14/2023	22:04:00	0	15.68
12/14/2023	22:05:00	0	15.49
12/14/2023	22:06:00	0	15.35
12/14/2023	22:07:00	0	15.19
12/14/2023	22:08:00	0	15.05
12/14/2023	22:09:00	0	14.91
12/14/2023	22:10:00	0	14.79
12/14/2023	22:11:00	0	14.62
12/14/2023	22:12:00	0	14.51
12/14/2023	22:13:00	0	14.39
12/14/2023	22:14:00	0	14.32
12/14/2023	22:15:00	0	14.22
12/14/2023	22:20:00	0	13.84
12/14/2023	22:25:00	0	13.51
12/14/2023	22:30:00	0	13.26
12/14/2023	22:35:00	0	13.09
12/14/2023	22:40:00	0	12.95
12/14/2023	22:45:00	0	12.8

Table 9. Hand Measurements for SW-12-05
Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/13/2023	9:50:00	11.81
12/13/2023	9:50:15	11.81
12/13/2023	9:50:30	11.81
12/13/2023	9:50:45	11.82
12/13/2023	9:51:00	11.82
12/13/2023	9:51:15	11.82
12/13/2023	9:51:30	11.83
12/13/2023	9:51:45	11.83
12/13/2023	9:52:00	11.83
12/13/2023	9:52:15	11.83
12/13/2023	9:52:30	11.83
12/13/2023	9:52:45	11.84
12/13/2023	9:53:00	11.84
12/13/2023	9:53:15	11.84
12/13/2023	9:53:30	11.85
12/13/2023	9:53:45	11.85
12/13/2023	9:54:00	11.85
12/13/2023	9:54:15	11.85
12/13/2023	9:54:30	11.86
12/13/2023	9:54:45	11.86
12/13/2023	9:55:00	11.86
12/13/2023	9:56:00	11.86
12/13/2023	9:57:00	11.89
12/13/2023	9:58:00	11.89
12/13/2023	9:59:00	11.89
12/13/2023	10:00:00	11.90
12/13/2023	10:01:00	11.90
12/13/2023	10:02:00	11.90
12/13/2023	10:03:00	11.91
12/13/2023	10:04:00	11.91
12/13/2023	10:05:00	11.91
12/13/2023	10:06:00	11.92
12/13/2023	10:07:00	11.92
12/13/2023	10:08:00	11.93
12/13/2023	10:09:00	11.93
12/13/2023	10:10:00	11.93
12/13/2023	10:11:00	11.94
12/13/2023	10:12:00	11.94
12/13/2023	10:13:00	11.94
12/13/2023	10:14:00	11.94
12/13/2023	10:15:00	11.94
12/13/2023	10:20:00	11.96
12/13/2023	10:25:00	11.97
12/13/2023	10:30:00	11.97
12/13/2023	10:35:00	11.98
12/13/2023	10:40:00	11.99
12/13/2023	10:45:00	12
12/13/2023	10:50:00	12.01
12/13/2023	10:55:00	12.01
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12/13/2023	11:05:00	12.01
12/13/2023	11:10:00	12.02

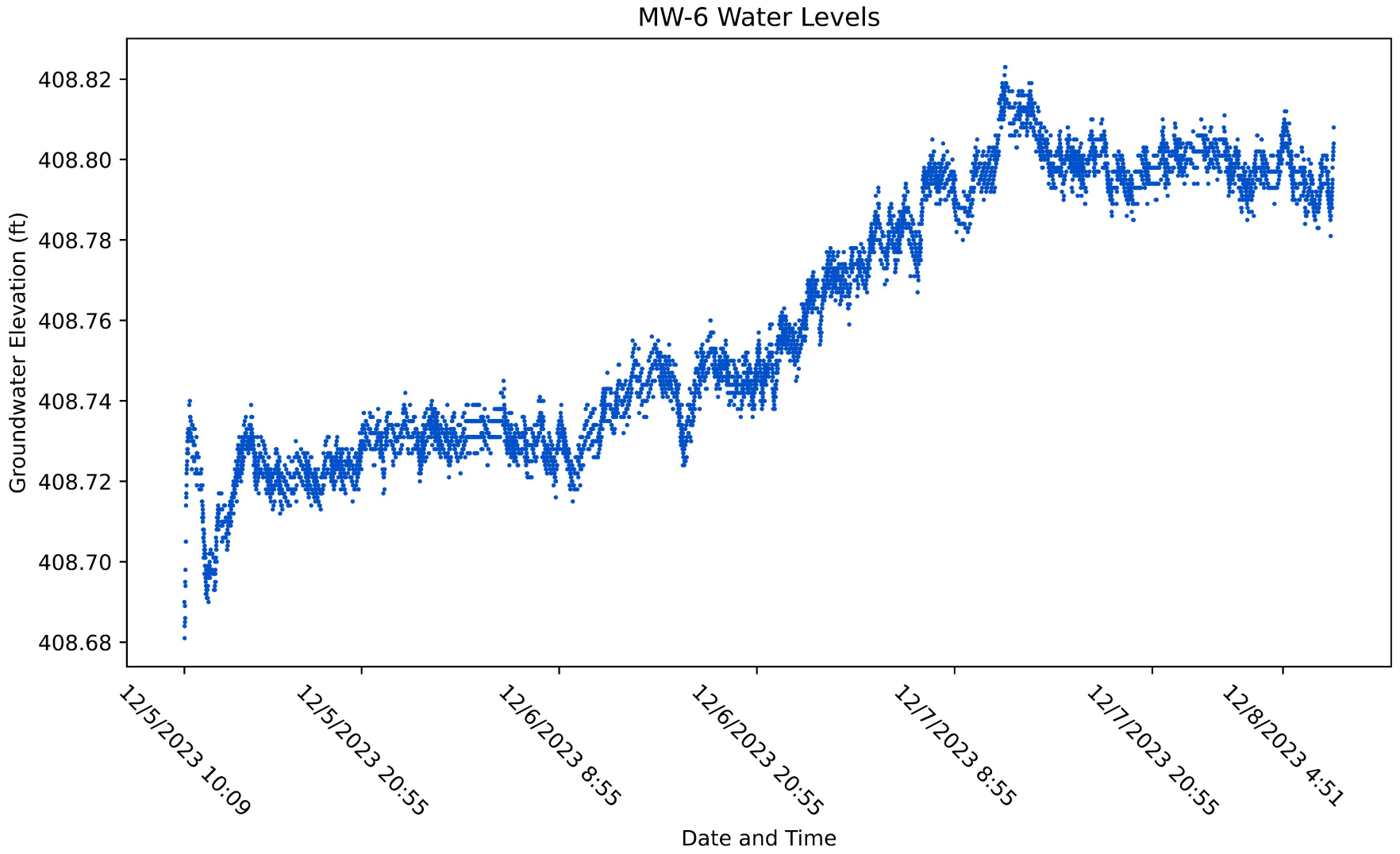
Table 9. Hand Measurements for SW-12-05
Iberdrola Avangrid - 2023 Hydrogeological Investigation

Date	Time	Hand Measurement Depth to Water (ft from TOC)
12/13/2023	11:15:00	12.03
12/13/2023	11:30:00	12.05
12/13/2023	11:45:00	12.06
12/13/2023	12:00:00	12.07
12/13/2023	12:15:00	12.08
12/13/2023	12:30:00	12.1
12/13/2023	12:45:00	12.11
12/13/2023	13:00:00	12.11
12/13/2023	13:15:00	12.12
12/13/2023	13:30:00	12.12
12/13/2023	13:45:00	12.13
12/13/2023	14:00:00	12.13
12/13/2023	14:15:00	12.14
12/13/2023	15:15:00	12.16
12/13/2023	16:15:00	12.19
12/13/2023	17:15:00	12.2
12/13/2023	18:15:00	12.21
12/13/2023	19:15:00	12.25
12/13/2023	20:15:00	12.25
12/13/2023	21:15:00	12.26
12/13/2023	22:15:00	12.26
12/13/2023	23:15:00	12.26
12/14/2023	0:15:00	12.26
12/14/2023	1:15:00	12.26
12/14/2023	2:15:00	12.26
12/14/2023	3:15:00	12.27
12/14/2023	4:15:00	12.27
12/14/2023	5:15:00	12.27
12/14/2023	6:15:00	12.27
12/14/2023	7:15:00	12.24
12/14/2023	8:15:00	12.24
12/14/2023	9:15:00	12.29
12/14/2023	10:15:00	12.29
12/14/2023	11:15:00	12.29
12/14/2023	12:15:00	12.29
12/14/2023	13:15:00	12.26
12/14/2023	14:15:00	12.27
12/14/2023	15:15:00	12.27
12/14/2023	16:15:00	12.28
12/14/2023	17:15:00	12.29
12/14/2023	18:15:00	12.29
12/14/2023	19:15:00	12.3
12/14/2023	20:15:00	12.3
12/14/2023	21:15:00	12.3



APPENDIX I-1 FIGURE 1
MW-3DR Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
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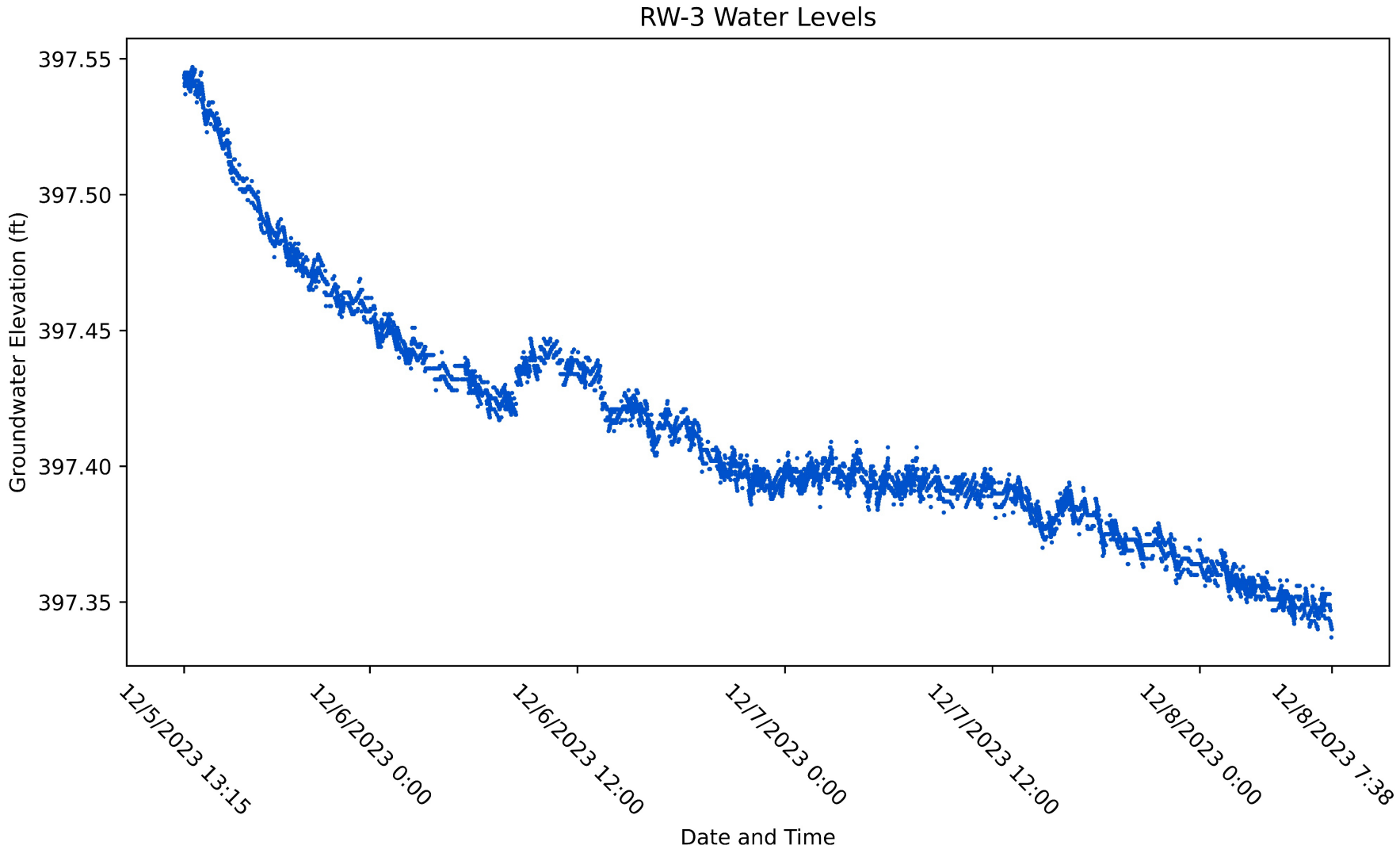
APPENDIX I-1 FIGURE 2

MW-6
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

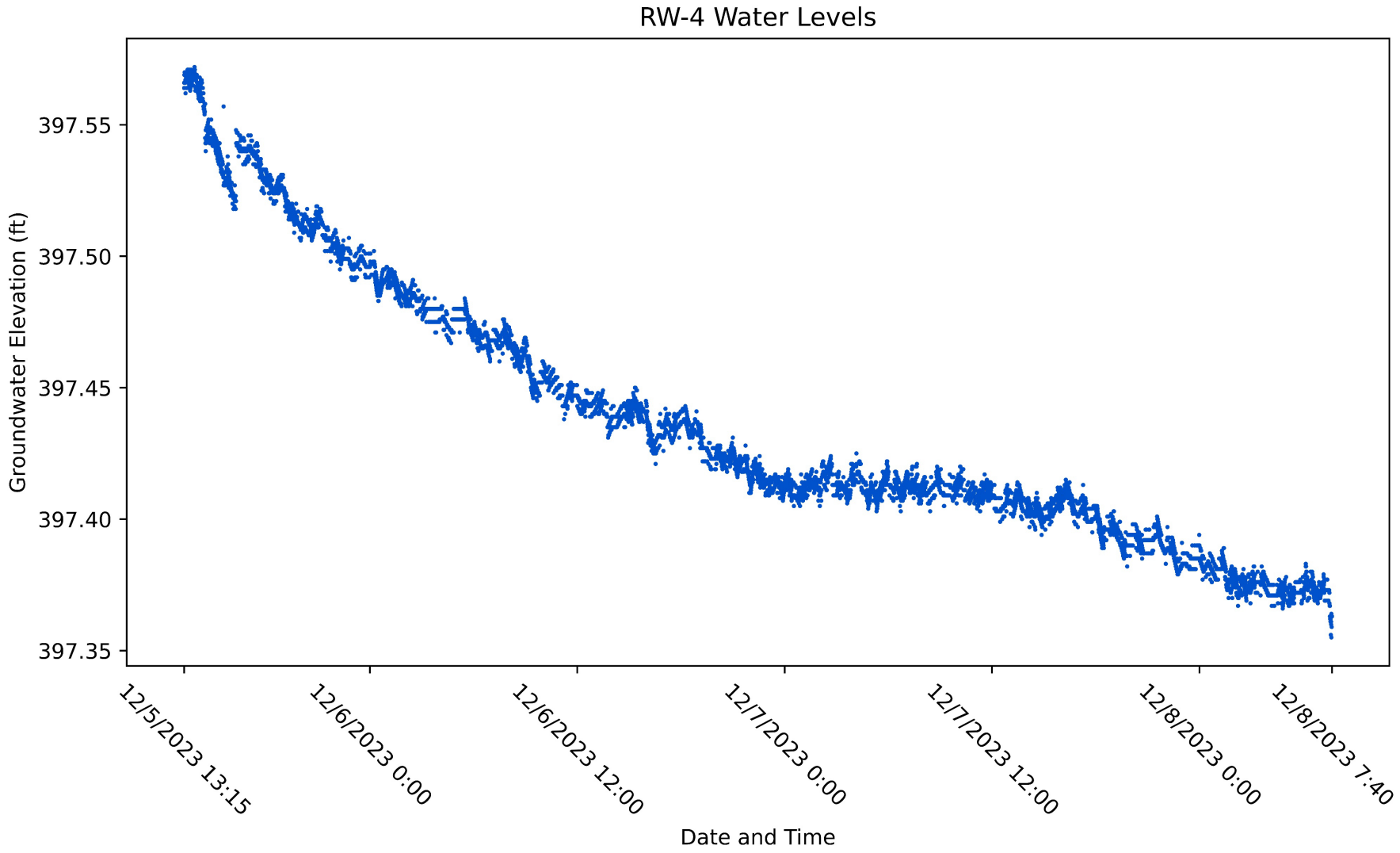
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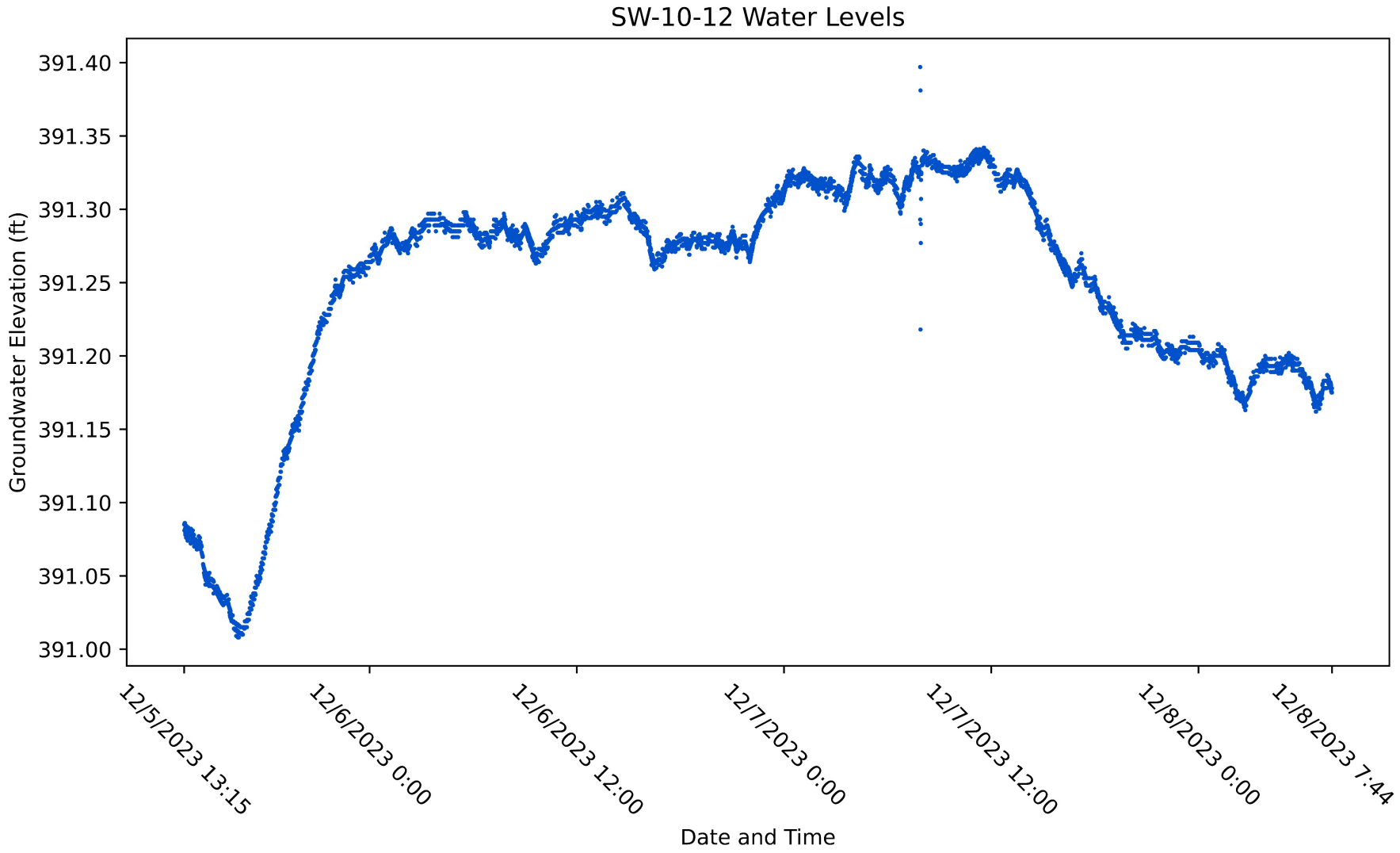
APPENDIX I-1 FIGURE 3
RW-3 Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
PARSONS

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APPENDIX I-1 FIGURE 4
RW-4 Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
PARSONS

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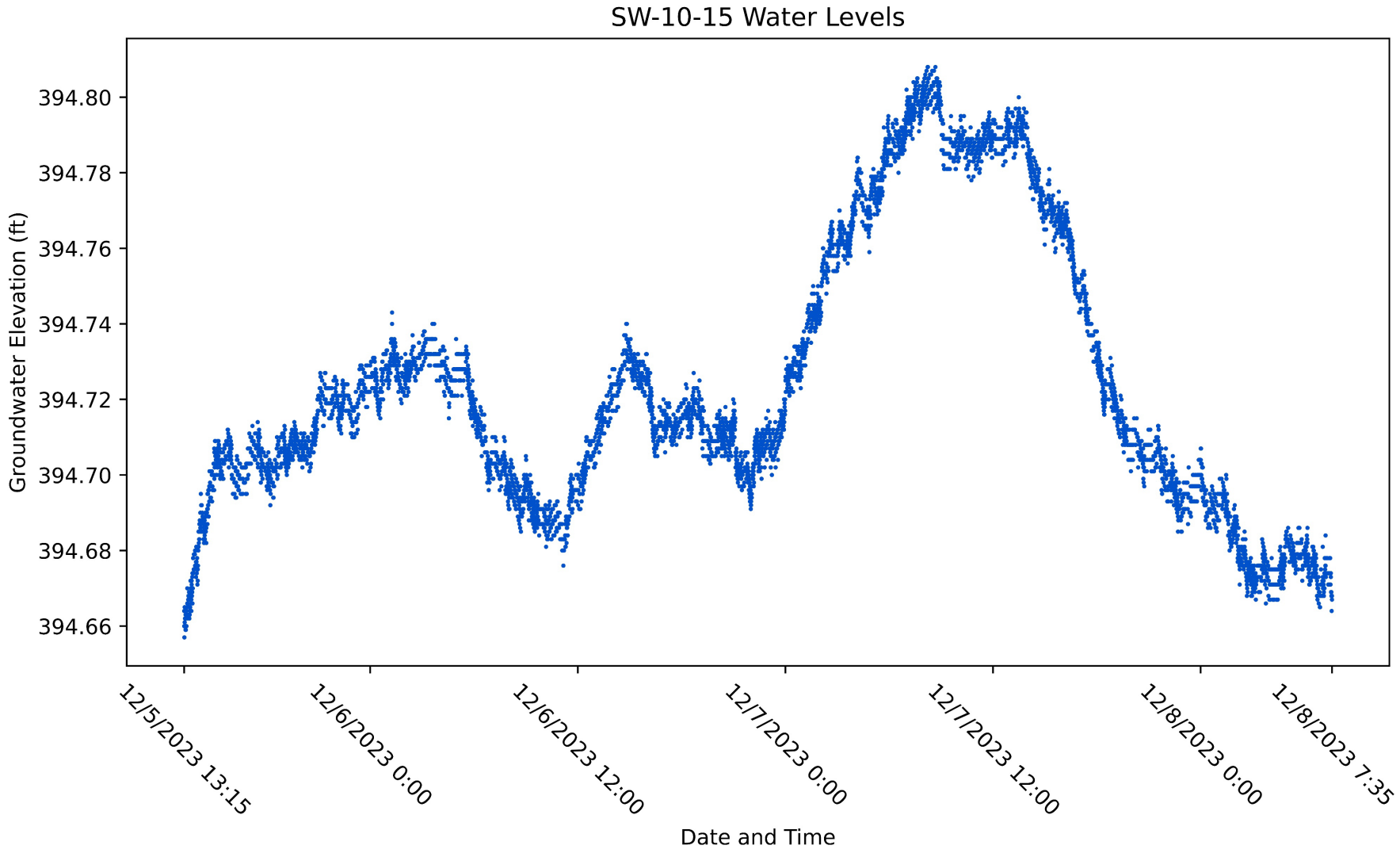
APPENDIX I-1 FIGURE 5

SW-10-12
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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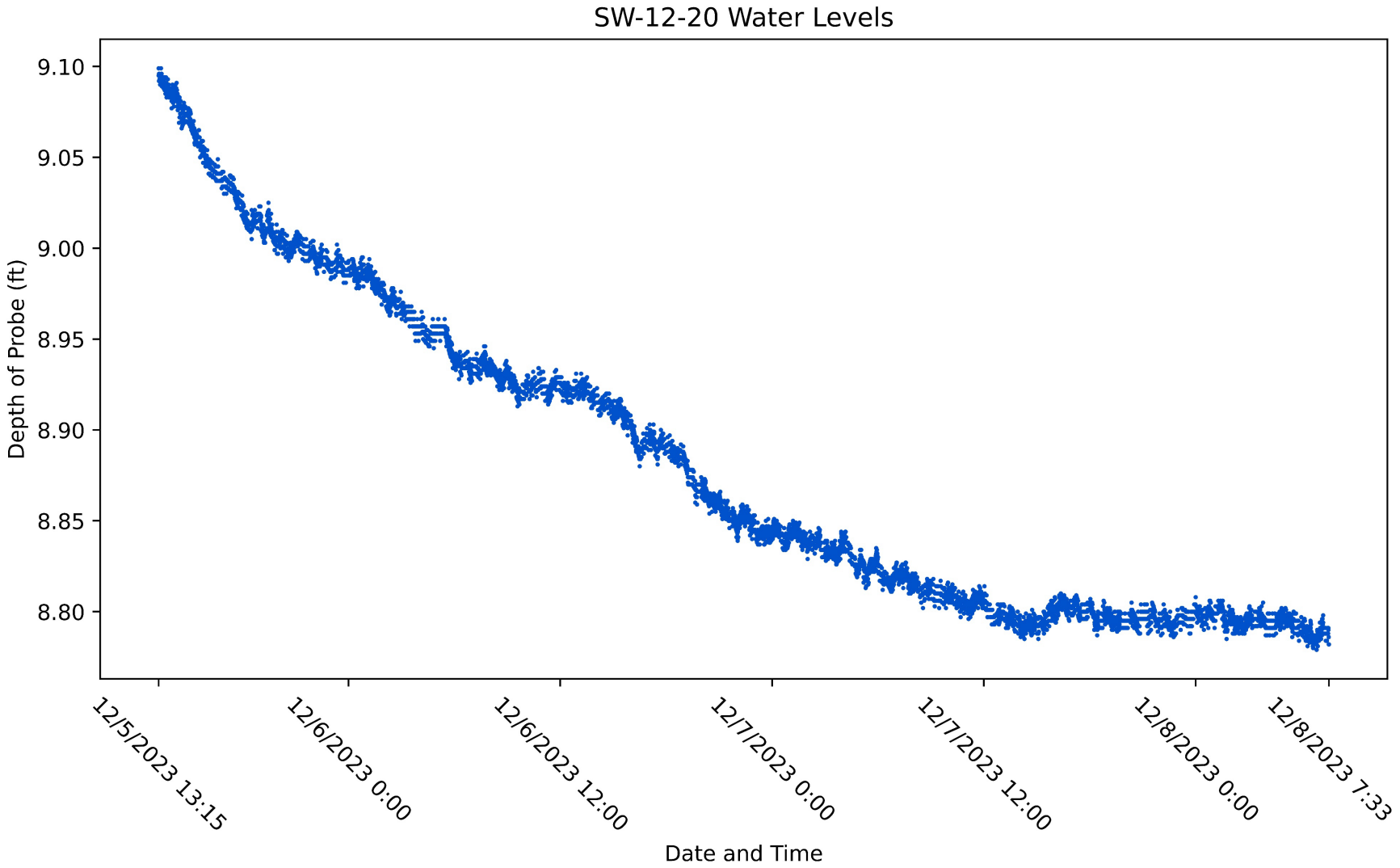
APPENDIX I-1 FIGURE 6

SW-10-15
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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Note: Survey data not available for SW-12-20

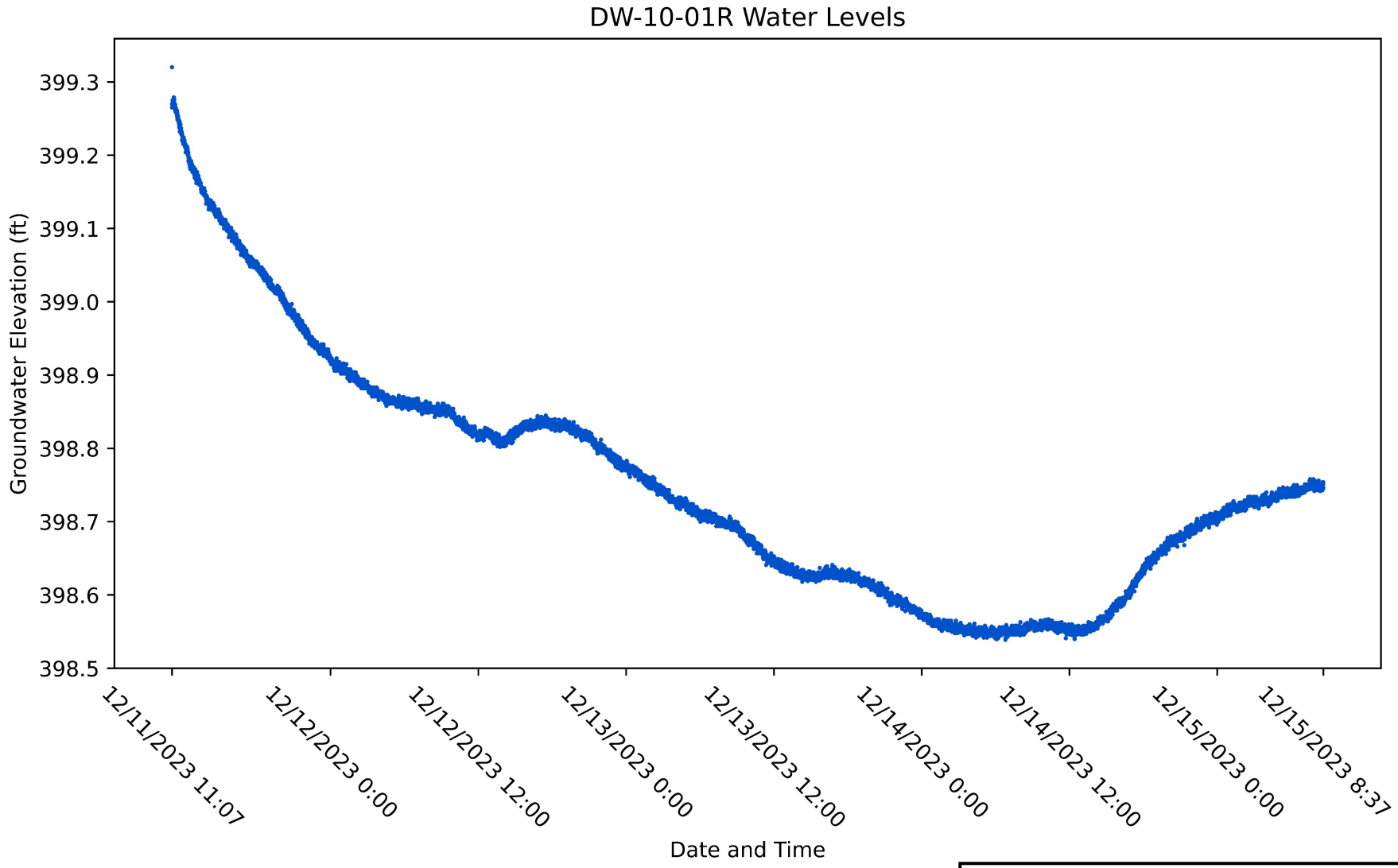
APPENDIX I-1 FIGURE 7

SW-12-20
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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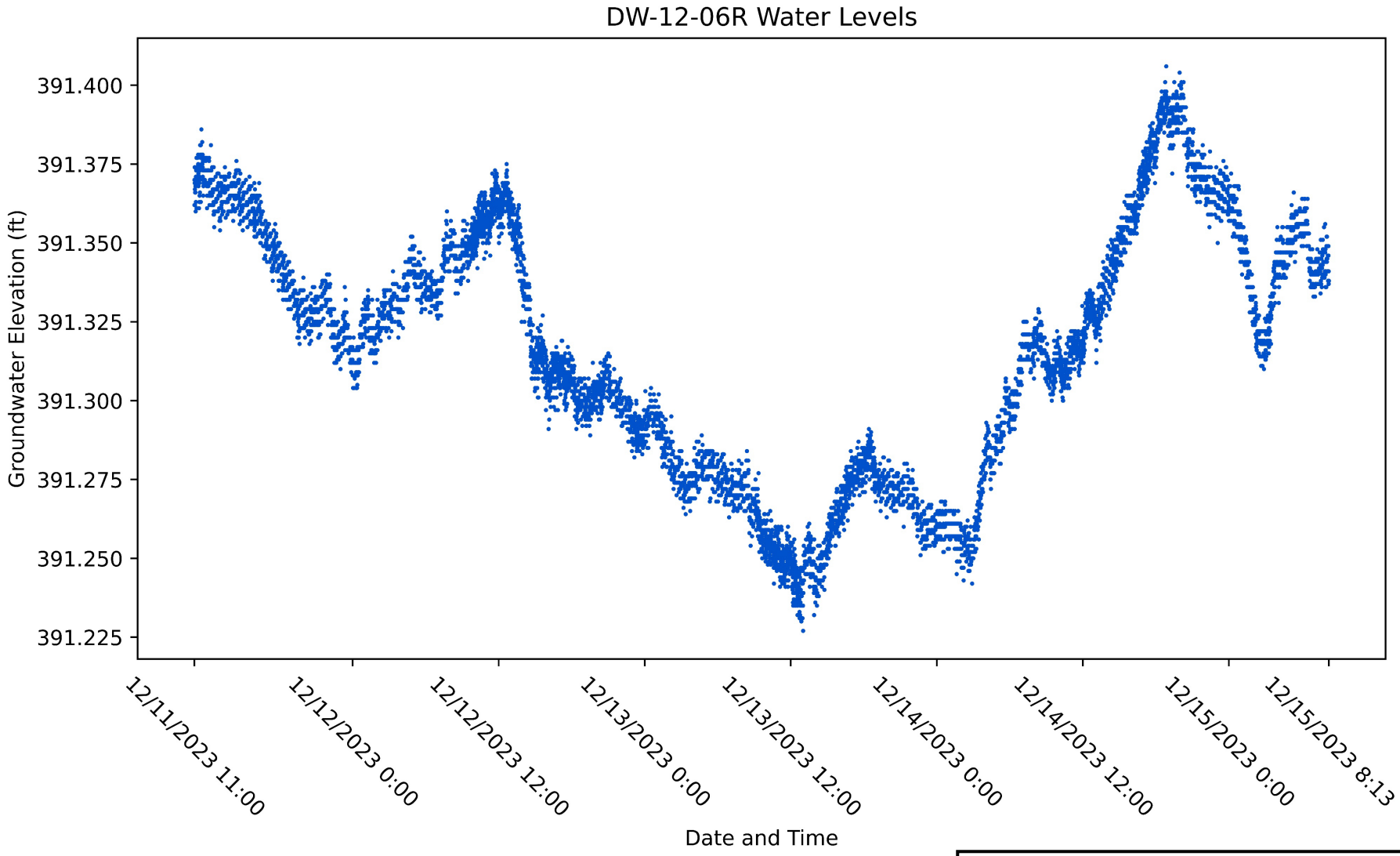
APPENDIX I-1 FIGURE 8

DW-10-01R
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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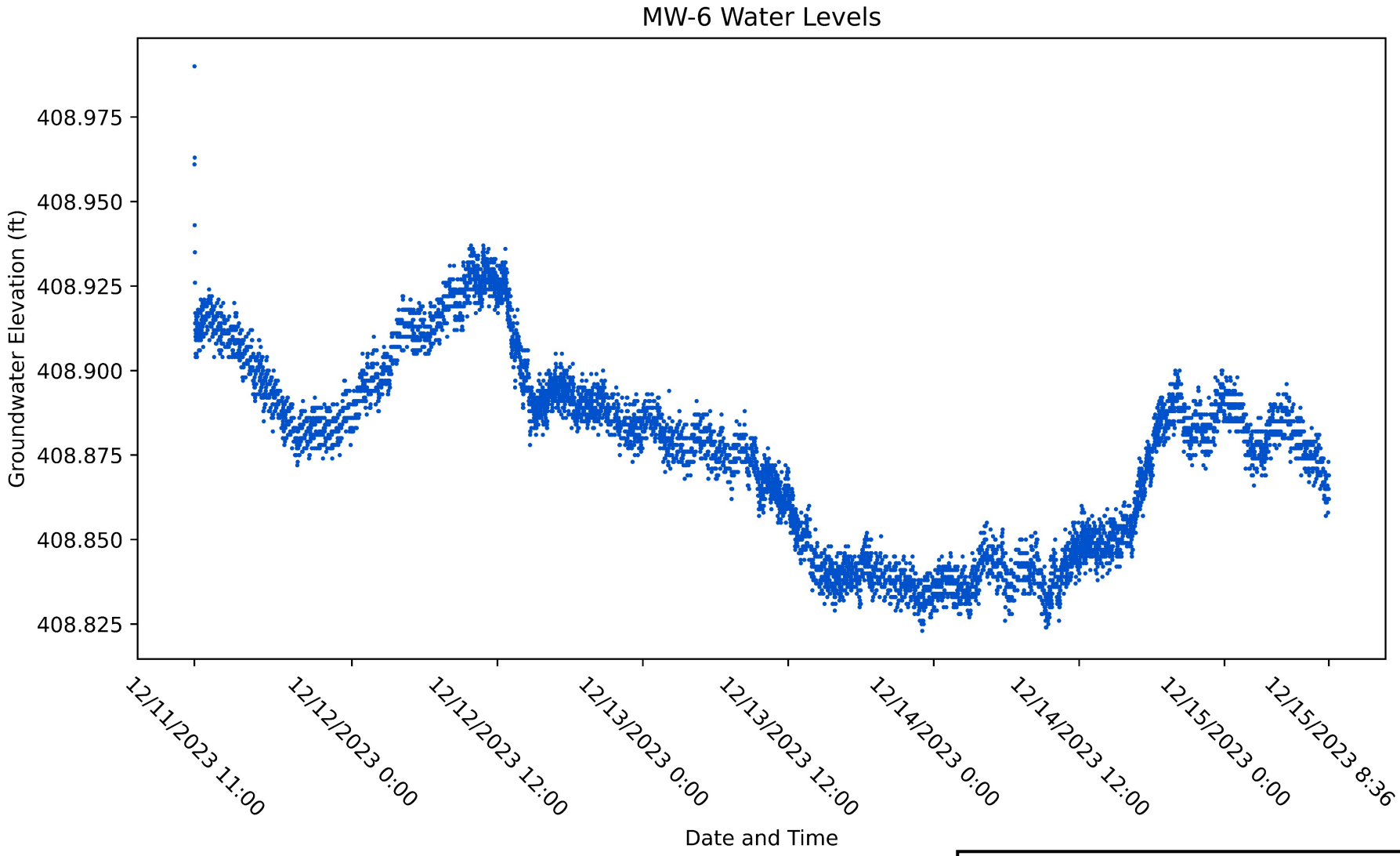
APPENDIX I-1 FIGURE 9

DW-12-06R
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

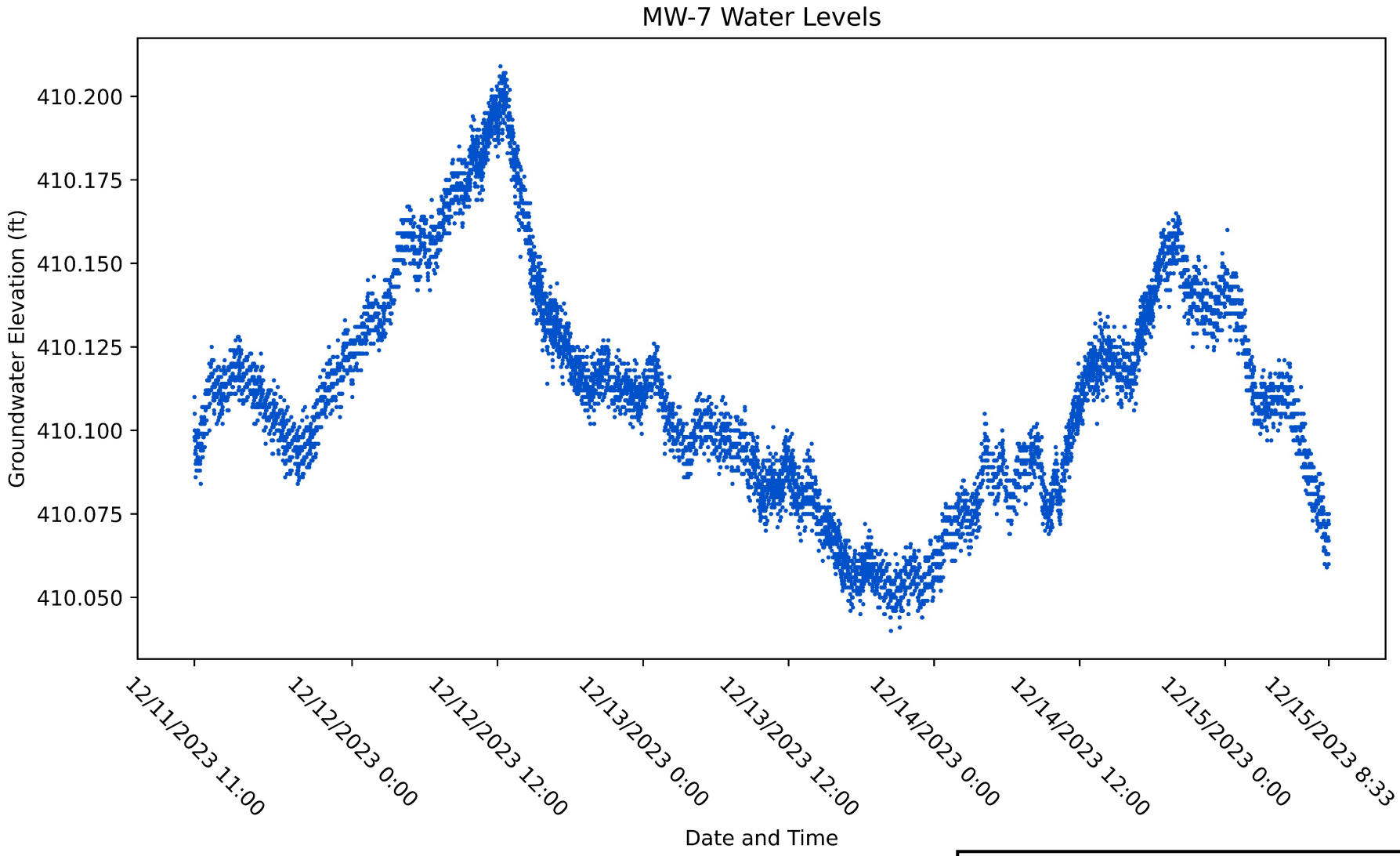
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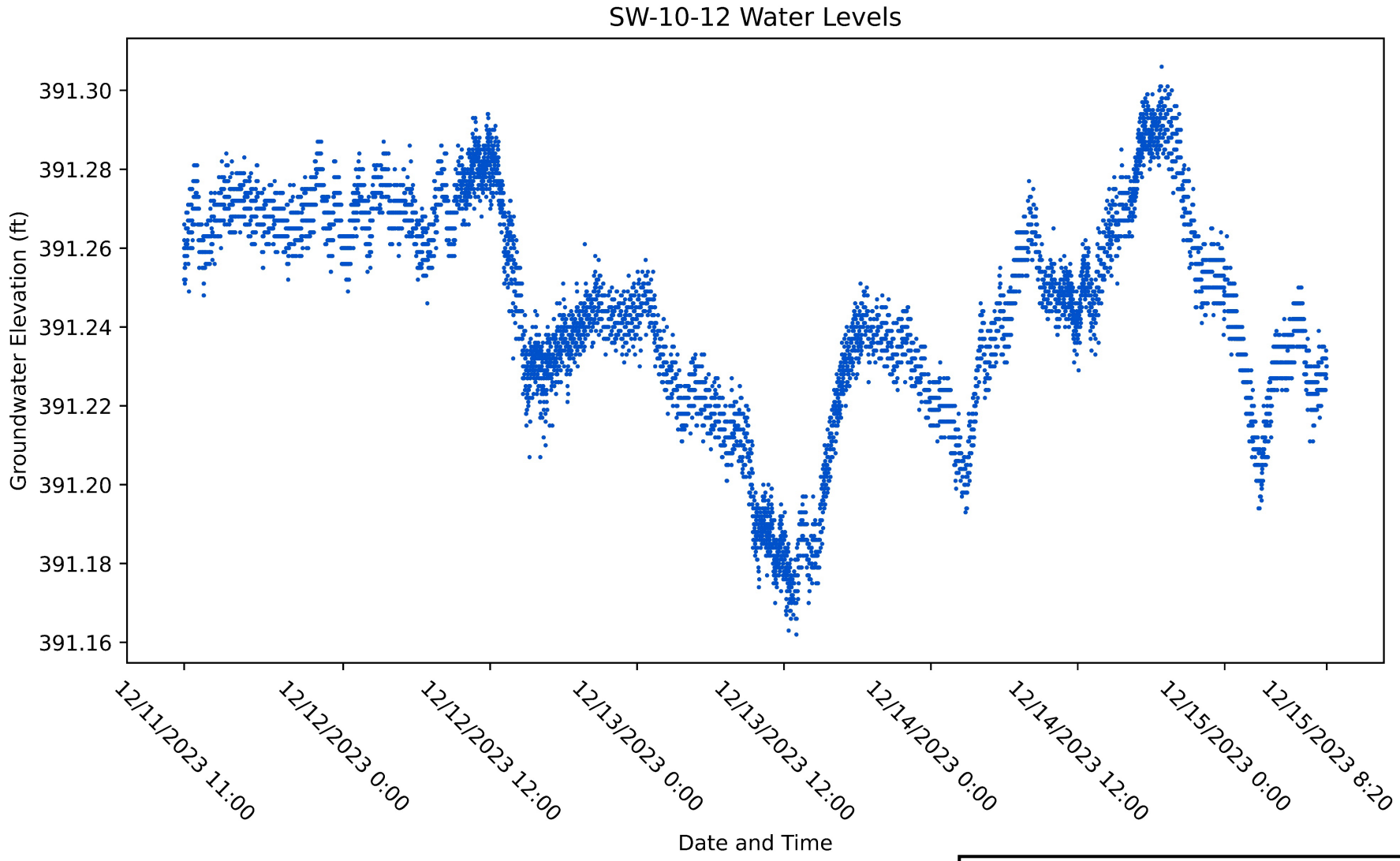
APPENDIX I-1 FIGURE 10
MW-6 Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
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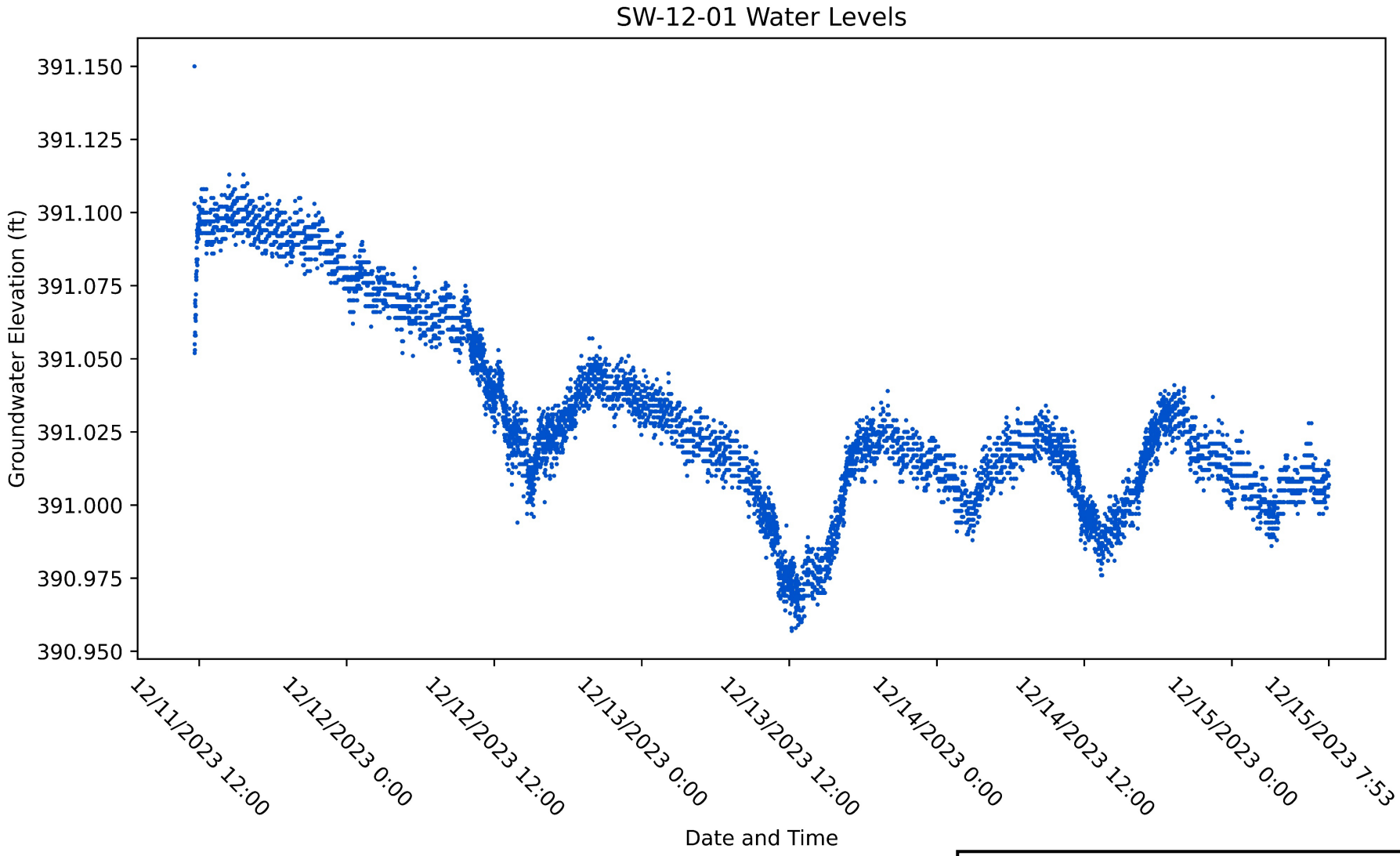
APPENDIX I-1 FIGURE 11
MW-7 Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
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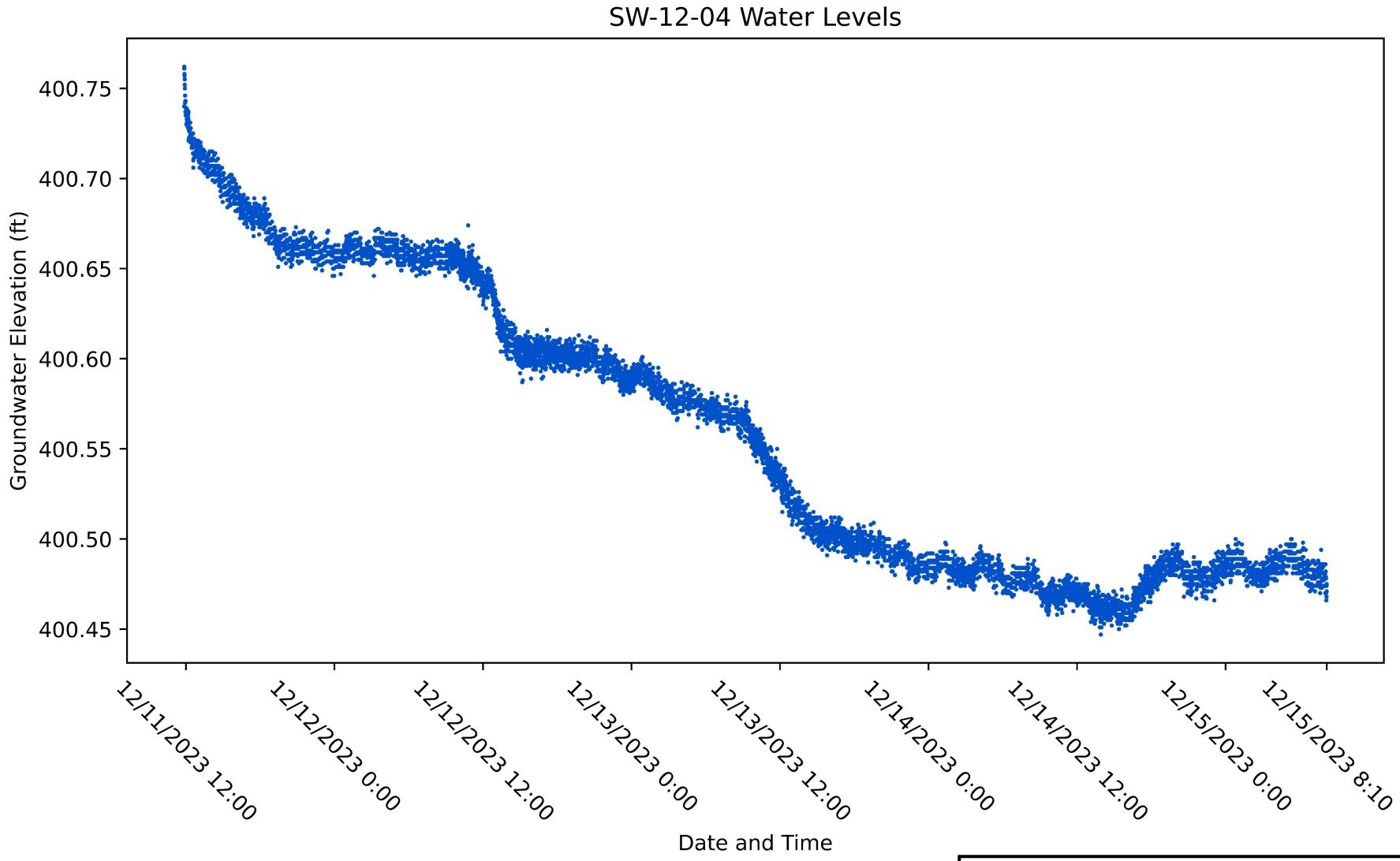
APPENDIX I-1 FIGURE 12
SW-10-12 Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
PARSONS

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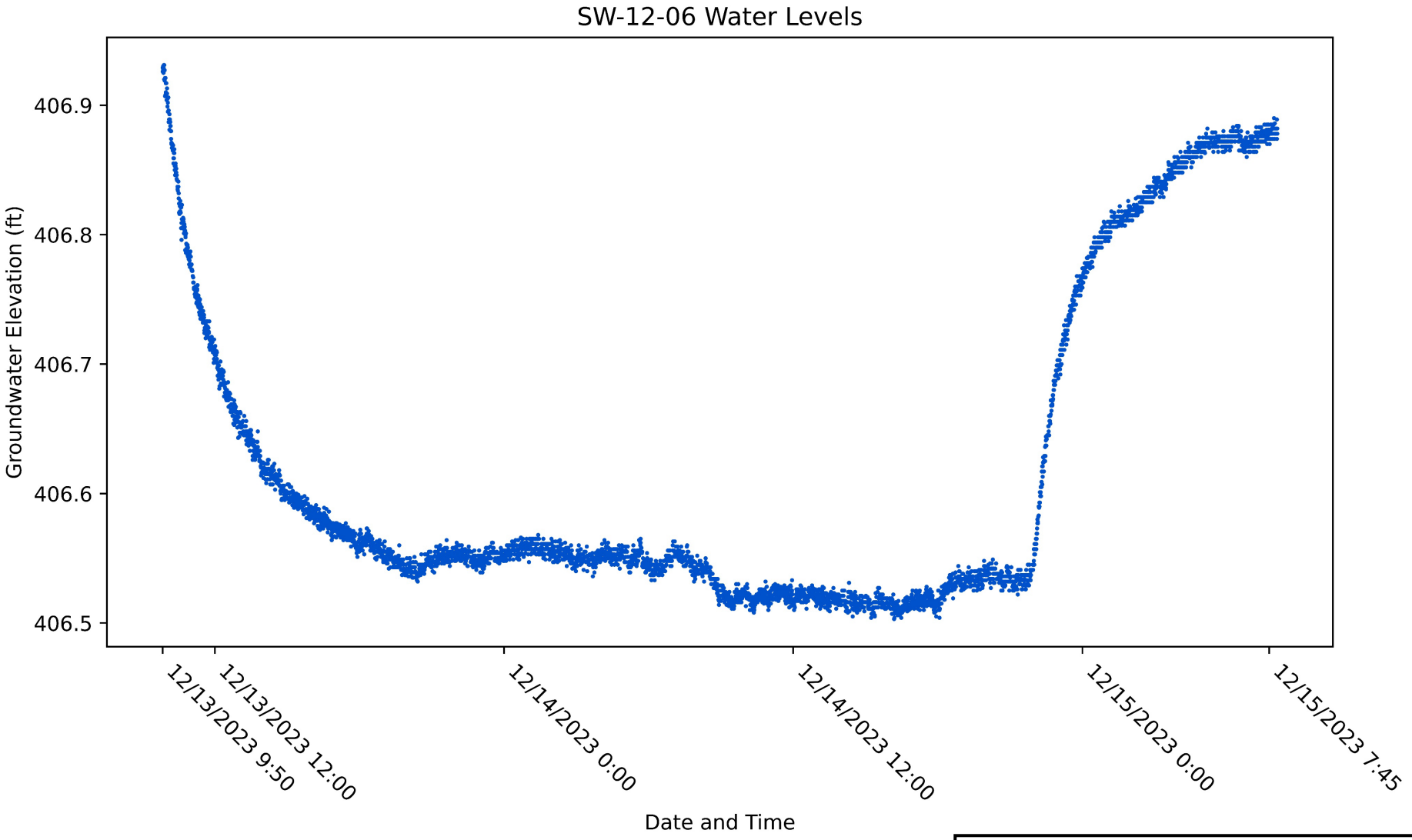
APPENDIX I-1 FIGURE 13
SW-12-01 Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
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APPENDIX I-1 FIGURE 14
SW-12-04 Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
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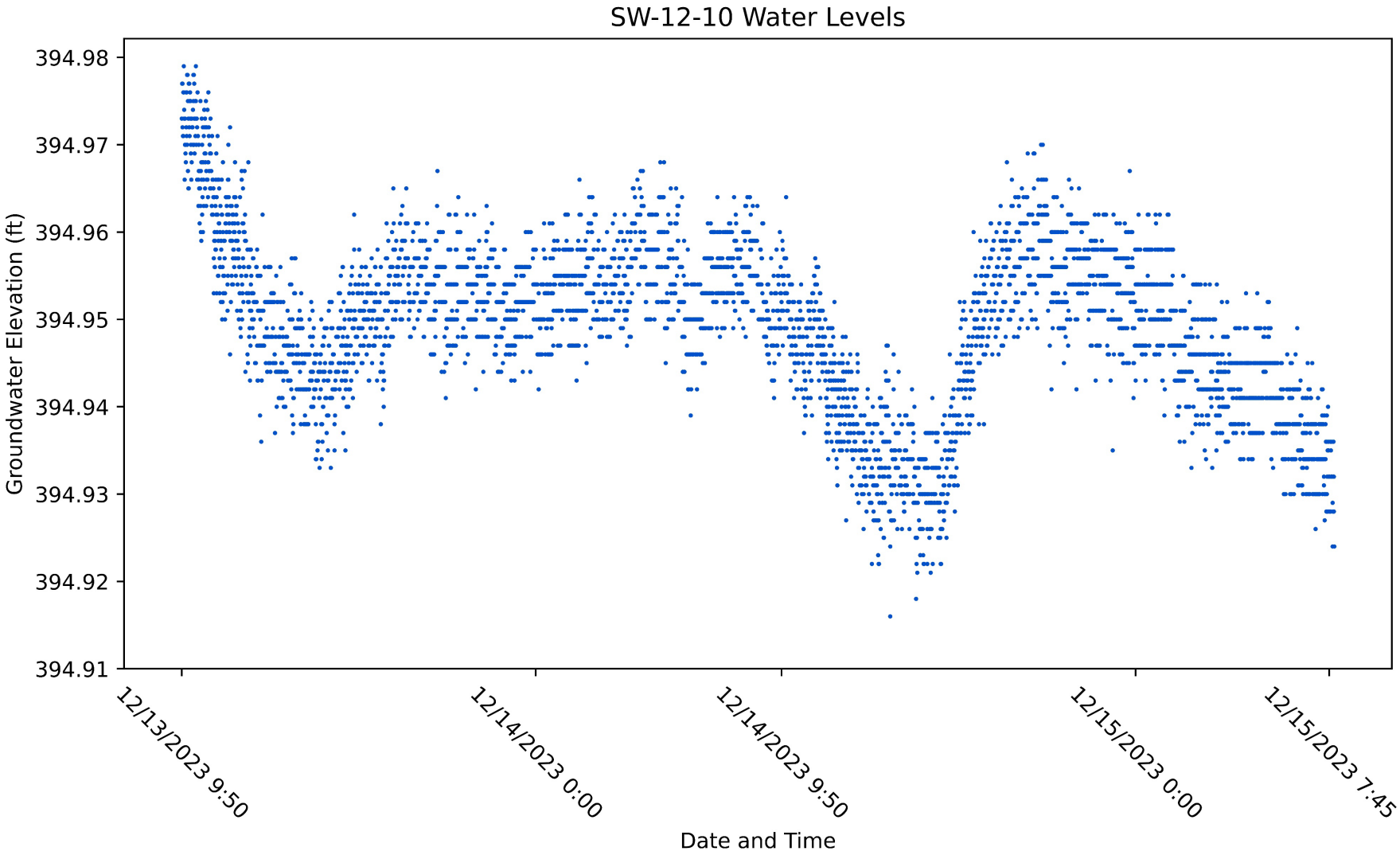
APPENDIX I-1 FIGURE 15

SW-12-06
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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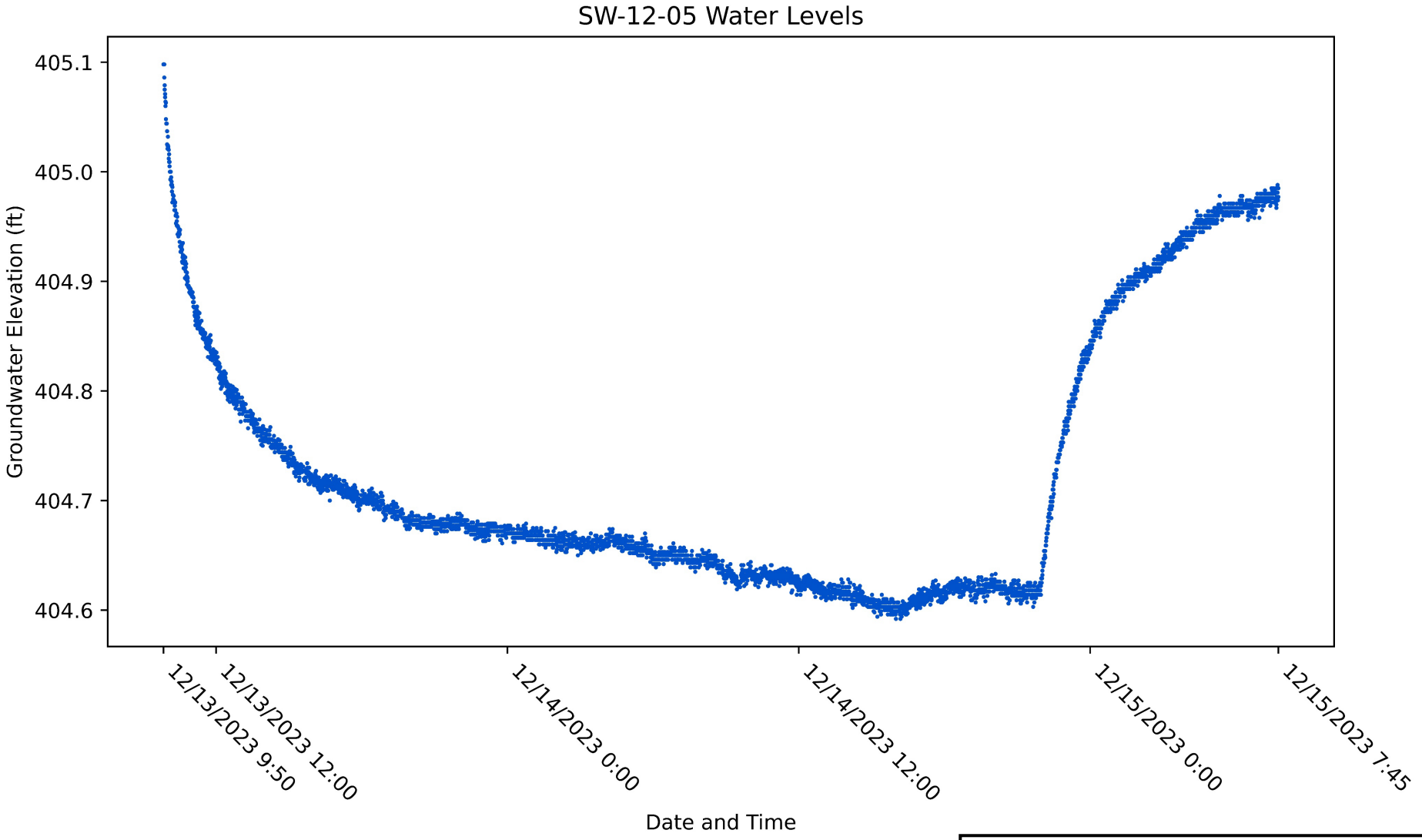
APPENDIX I-1 FIGURE 16

SW-12-10
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

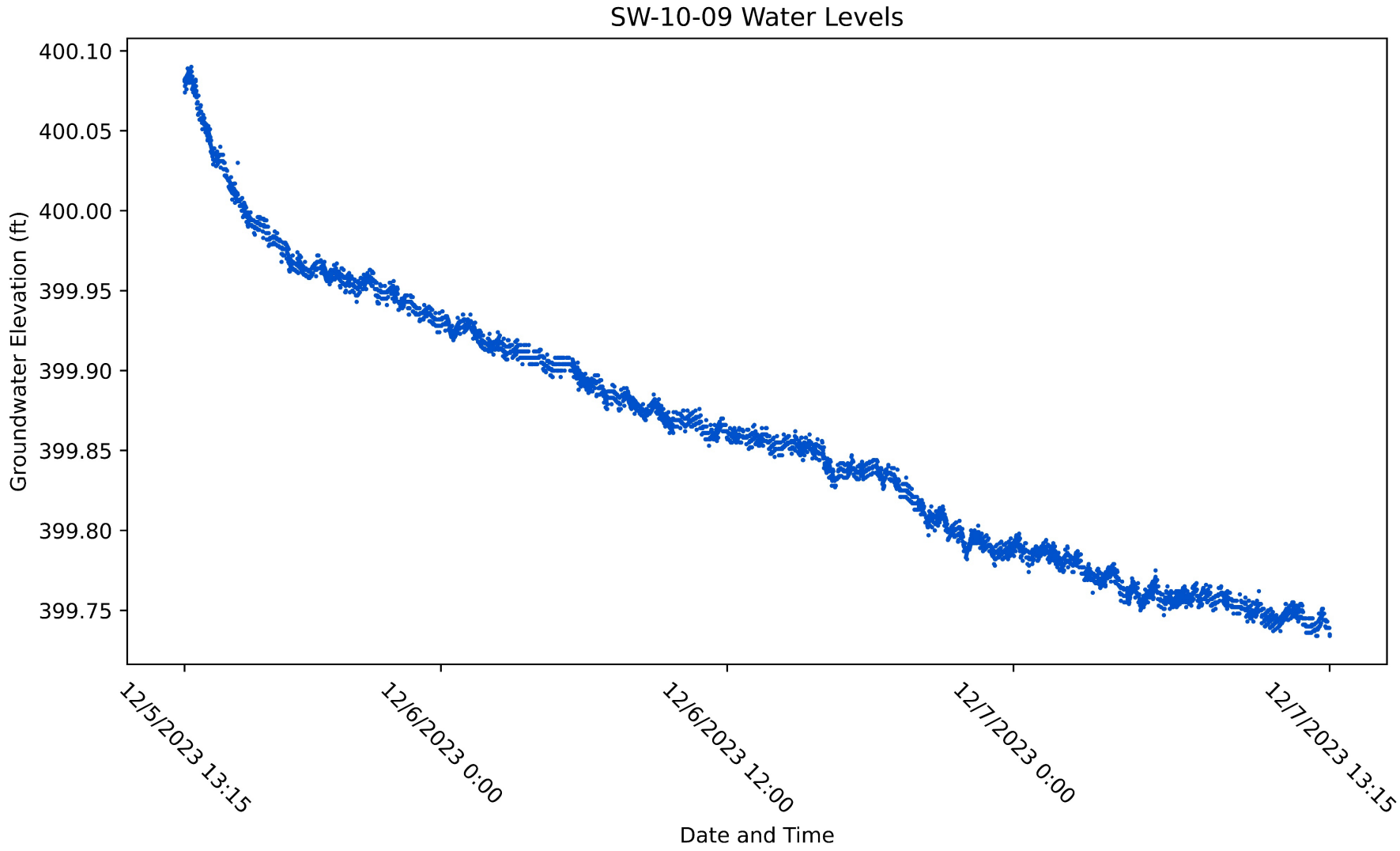
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APPENDIX I-1 FIGURE 17
SW-12-05 Water Levels
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
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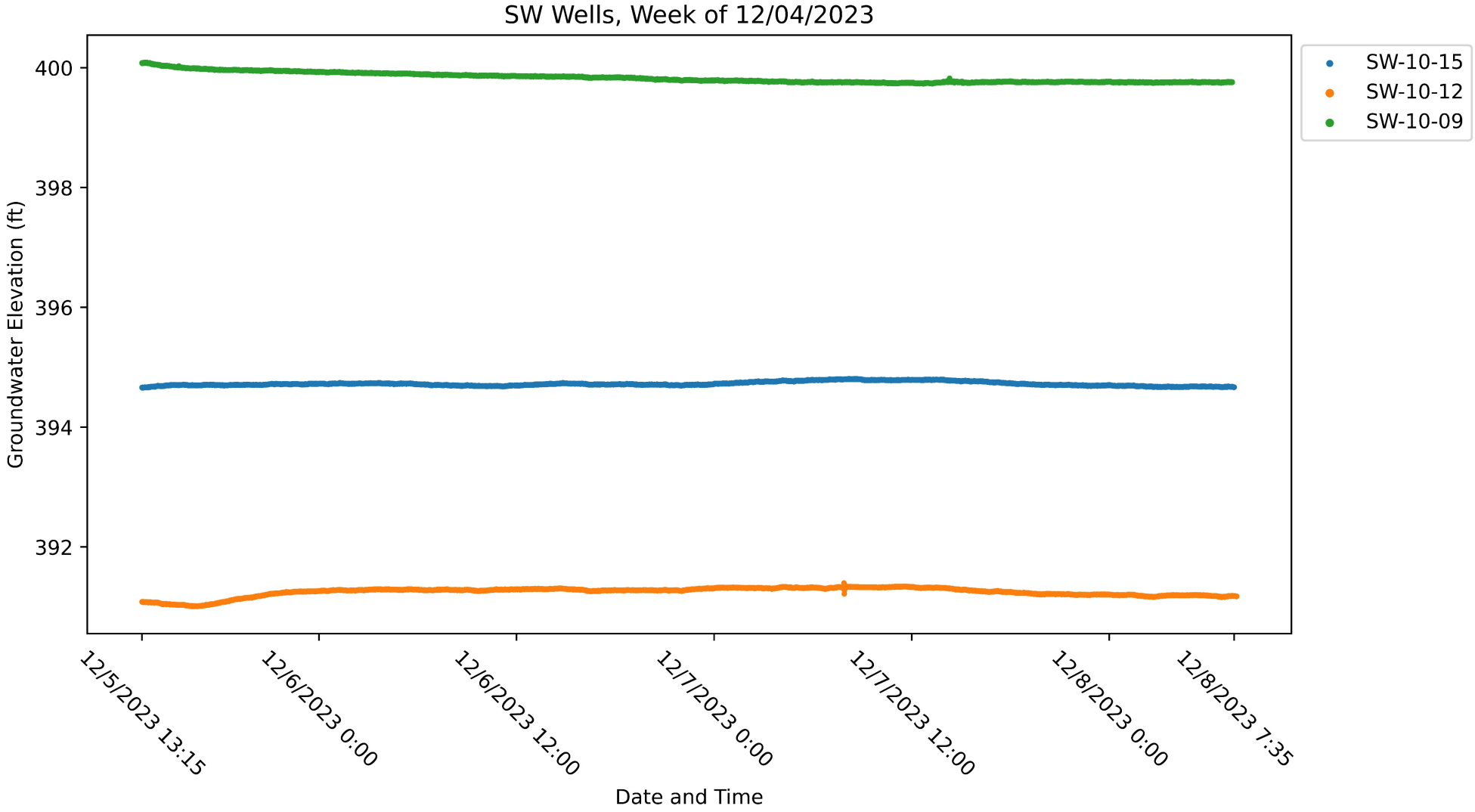
APPENDIX I-1 FIGURE 18

SW-10-09
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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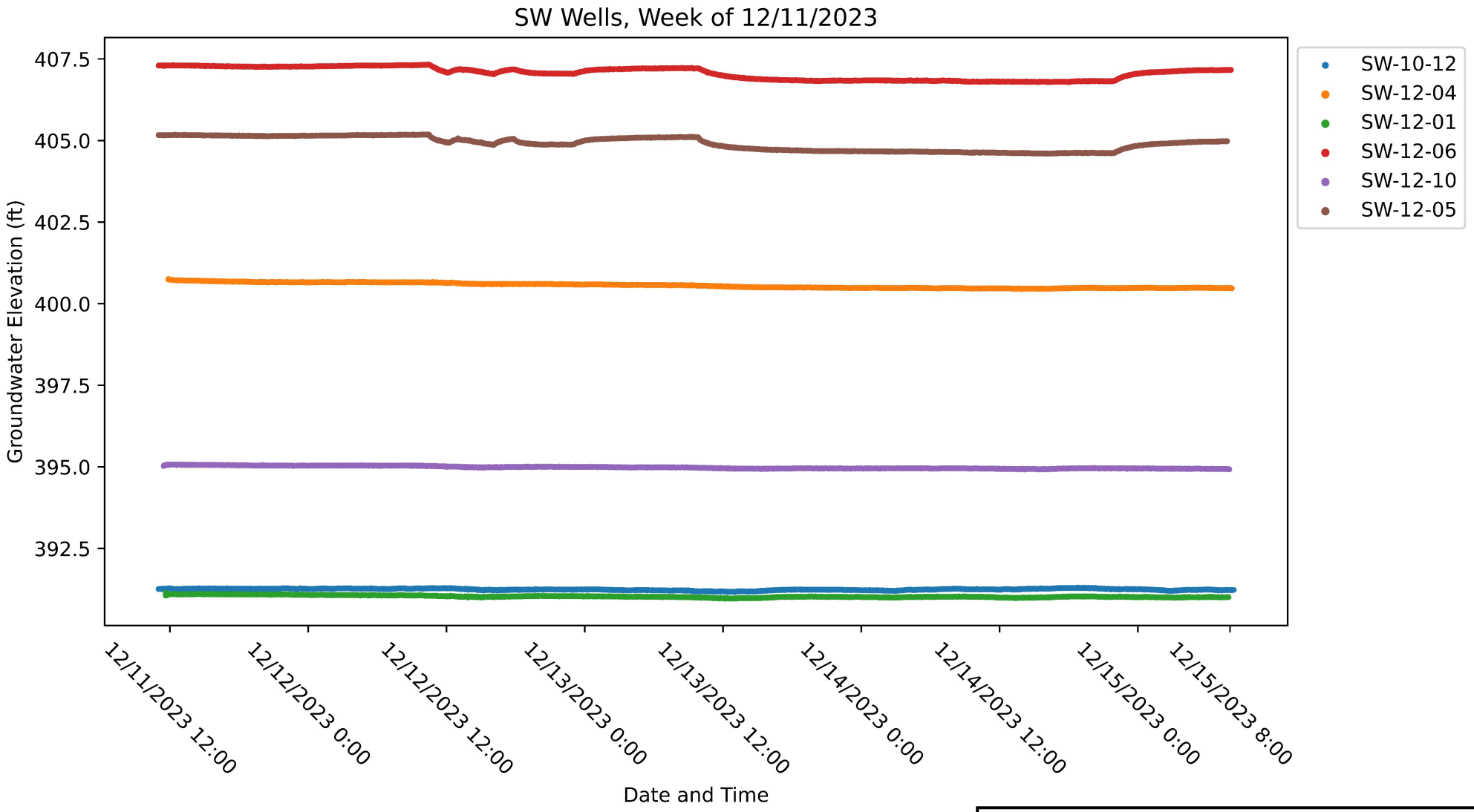
APPENDIX I-1 FIGURE 19

SW Wells, Week of 12/04/2023
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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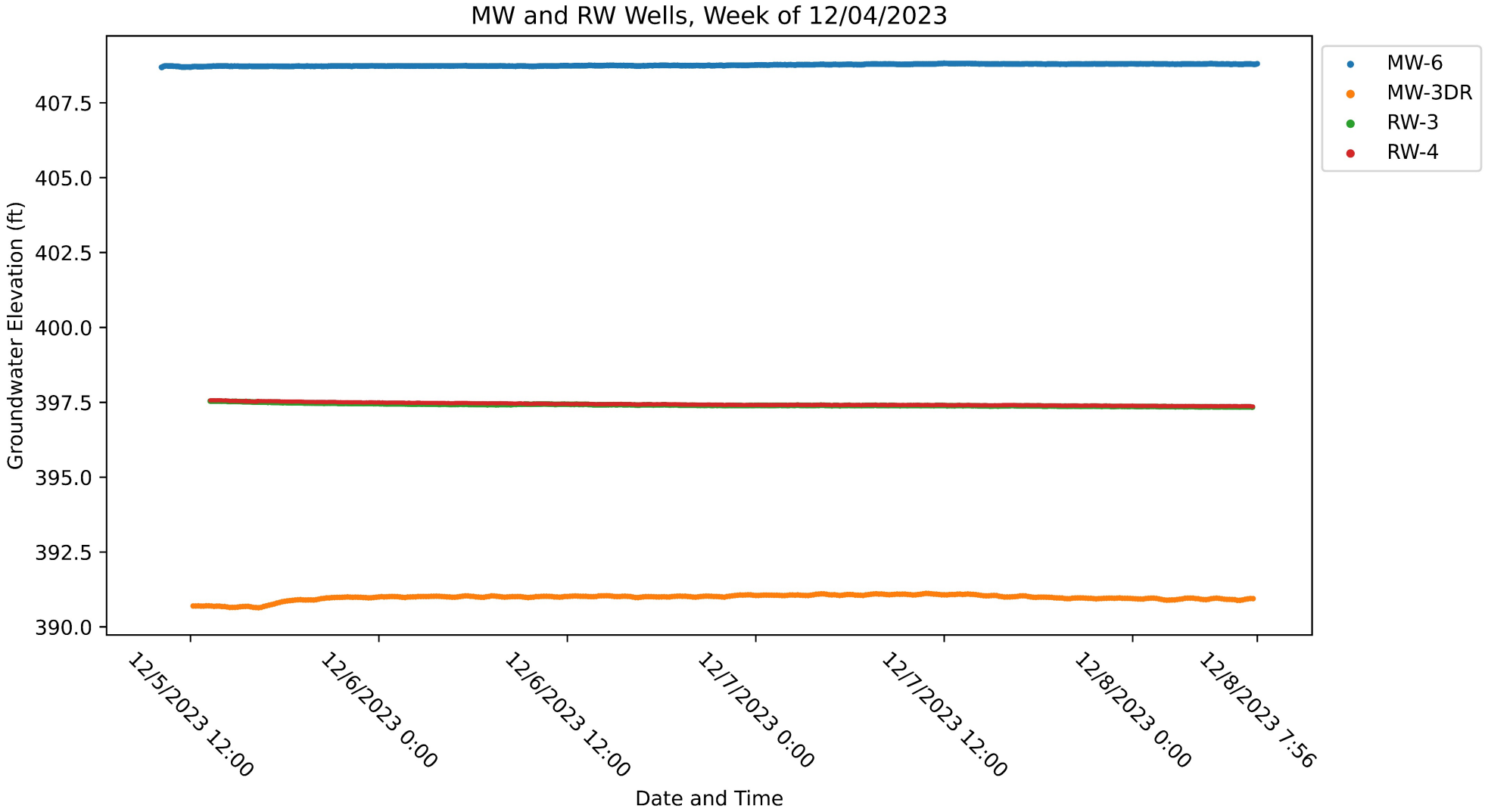
APPENDIX I-1 FIGURE 20

SW Wells, Week of 12/11/2023
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS

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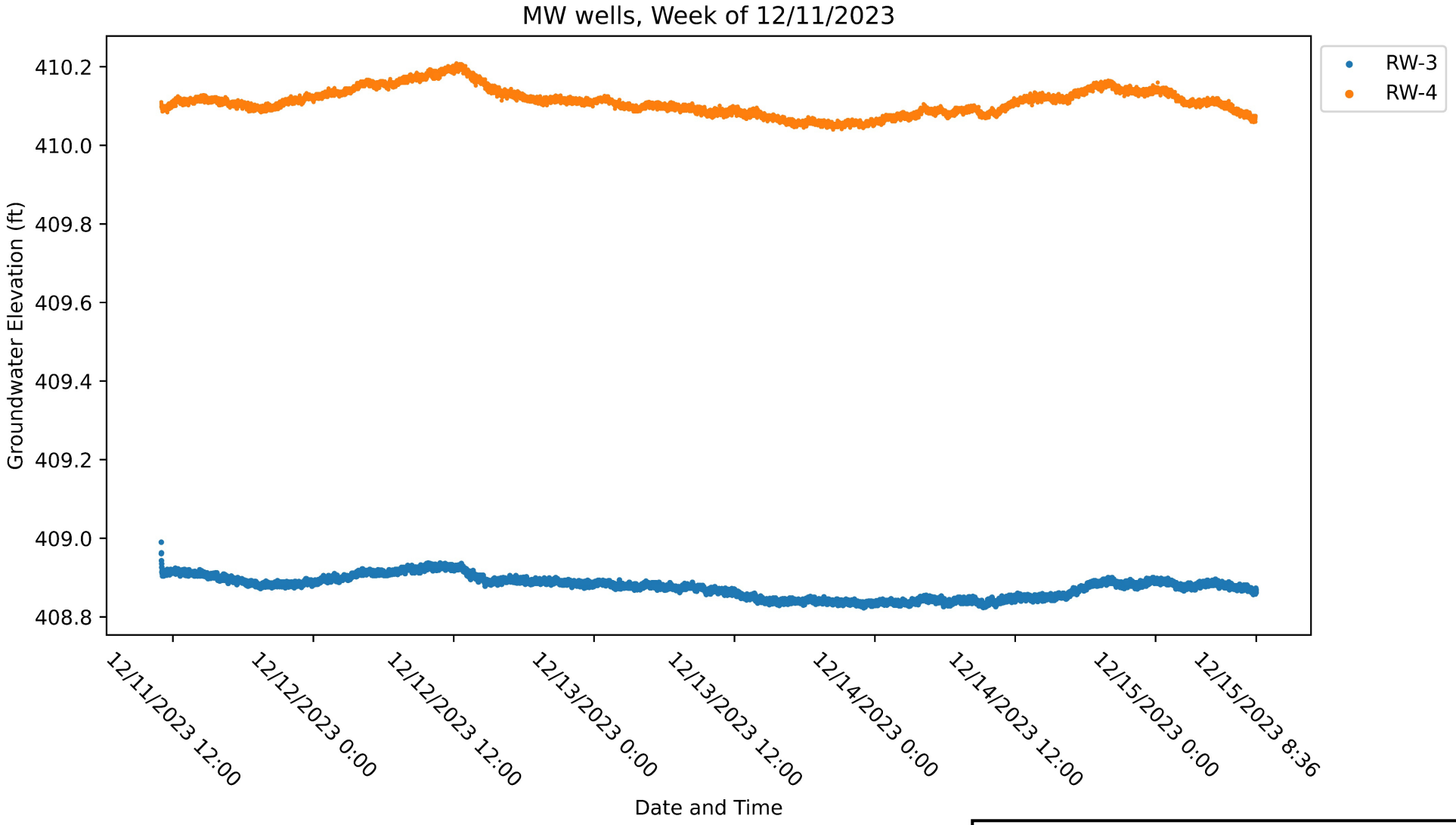
APPENDIX I-1 FIGURE 21

MW and RW Wells, Week of 12/04/2023
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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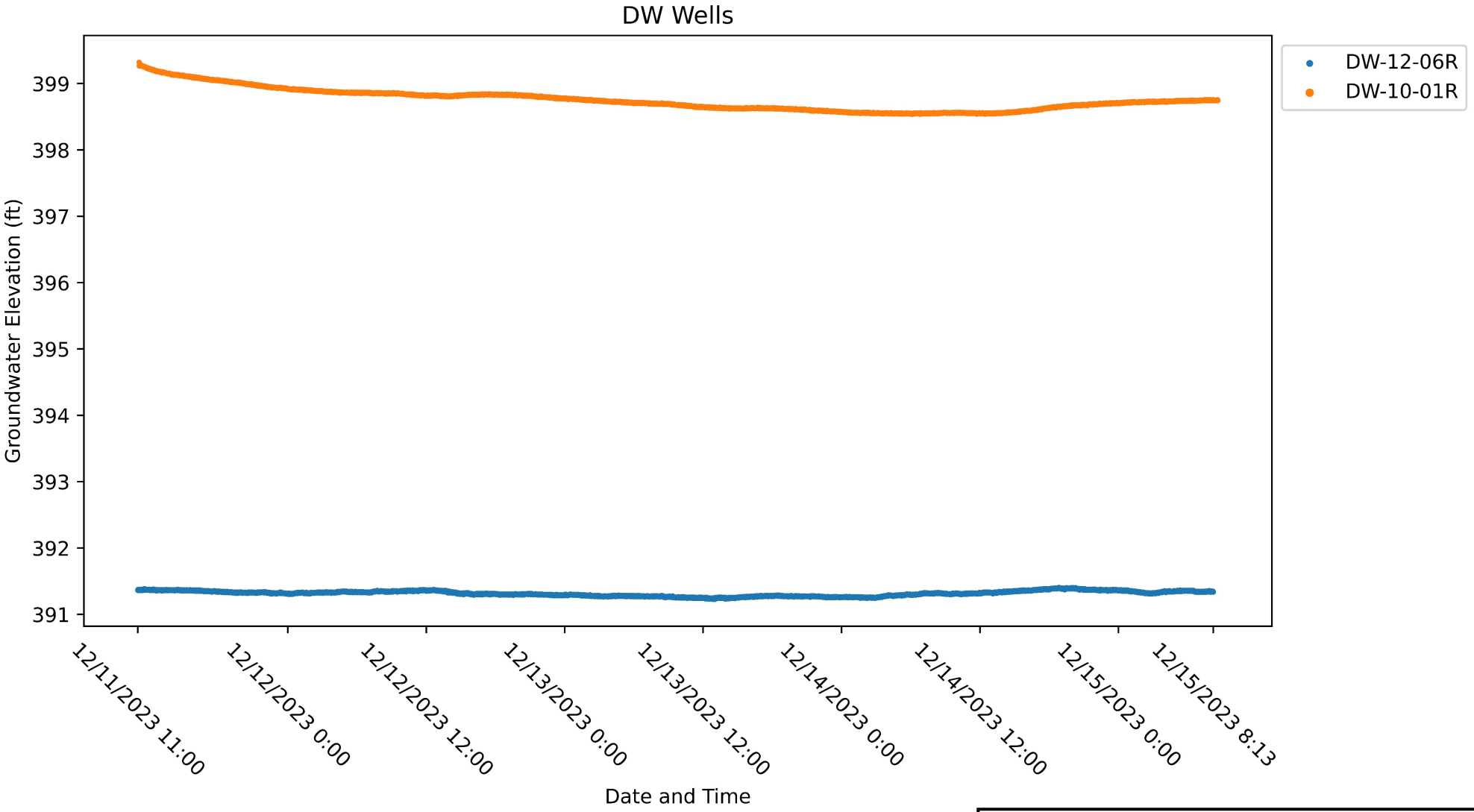
APPENDIX I-1 FIGURE 22

MW Wells, Week of 12/11/2023
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS

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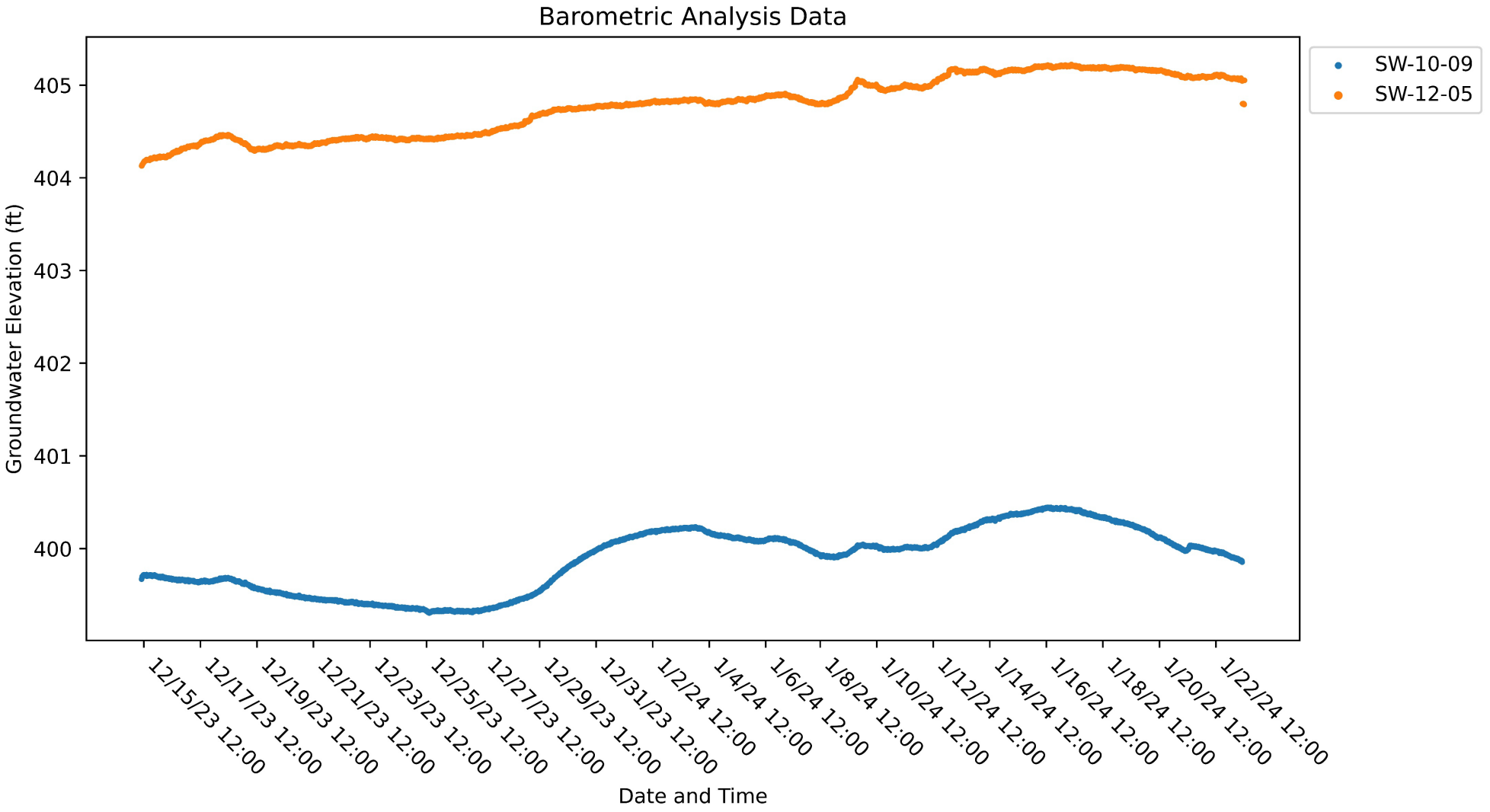
APPENDIX I-1 FIGURE 23

DW Wells, Week of 12/11/2023
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS

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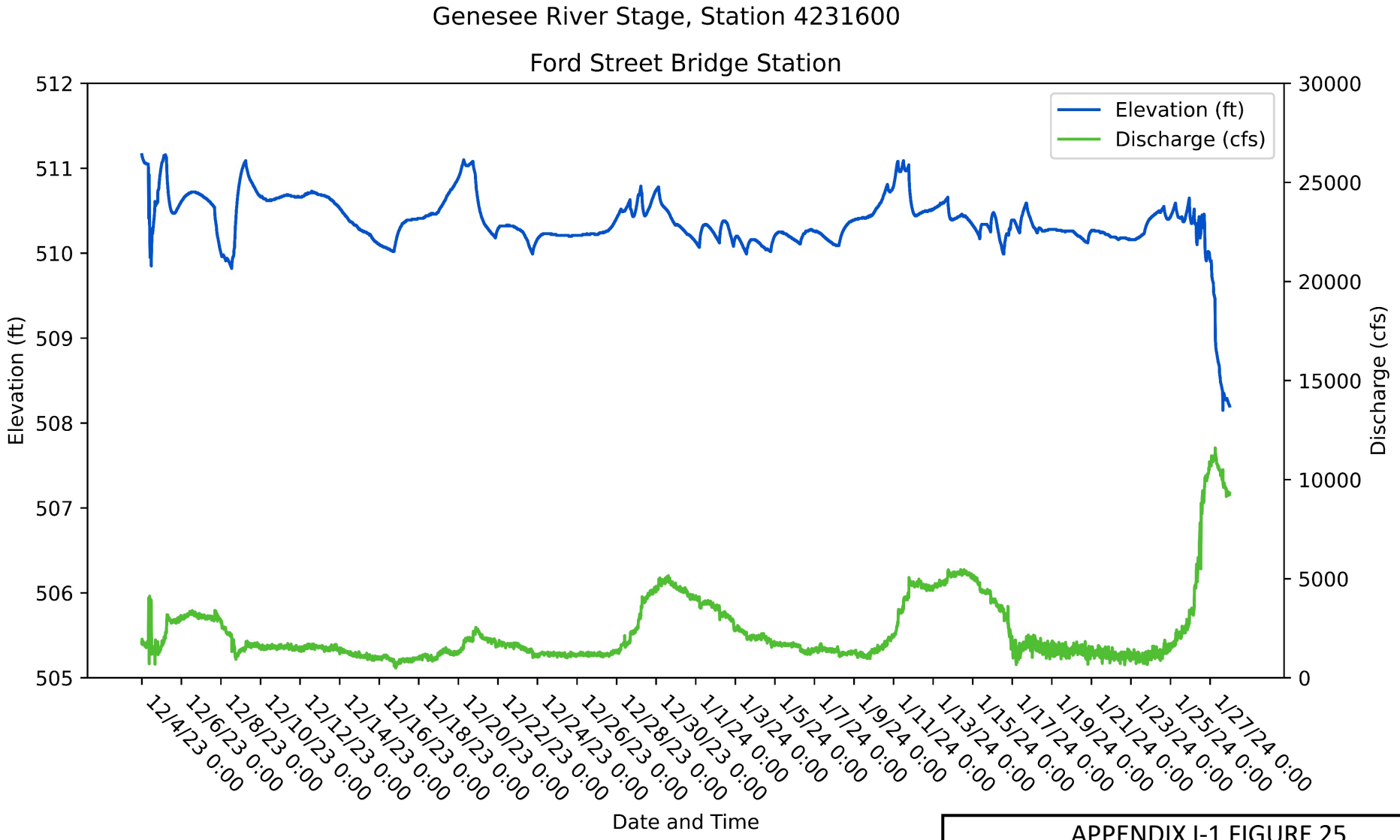
APPENDIX I-1 FIGURE 24

Barometric Data Analysis,
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

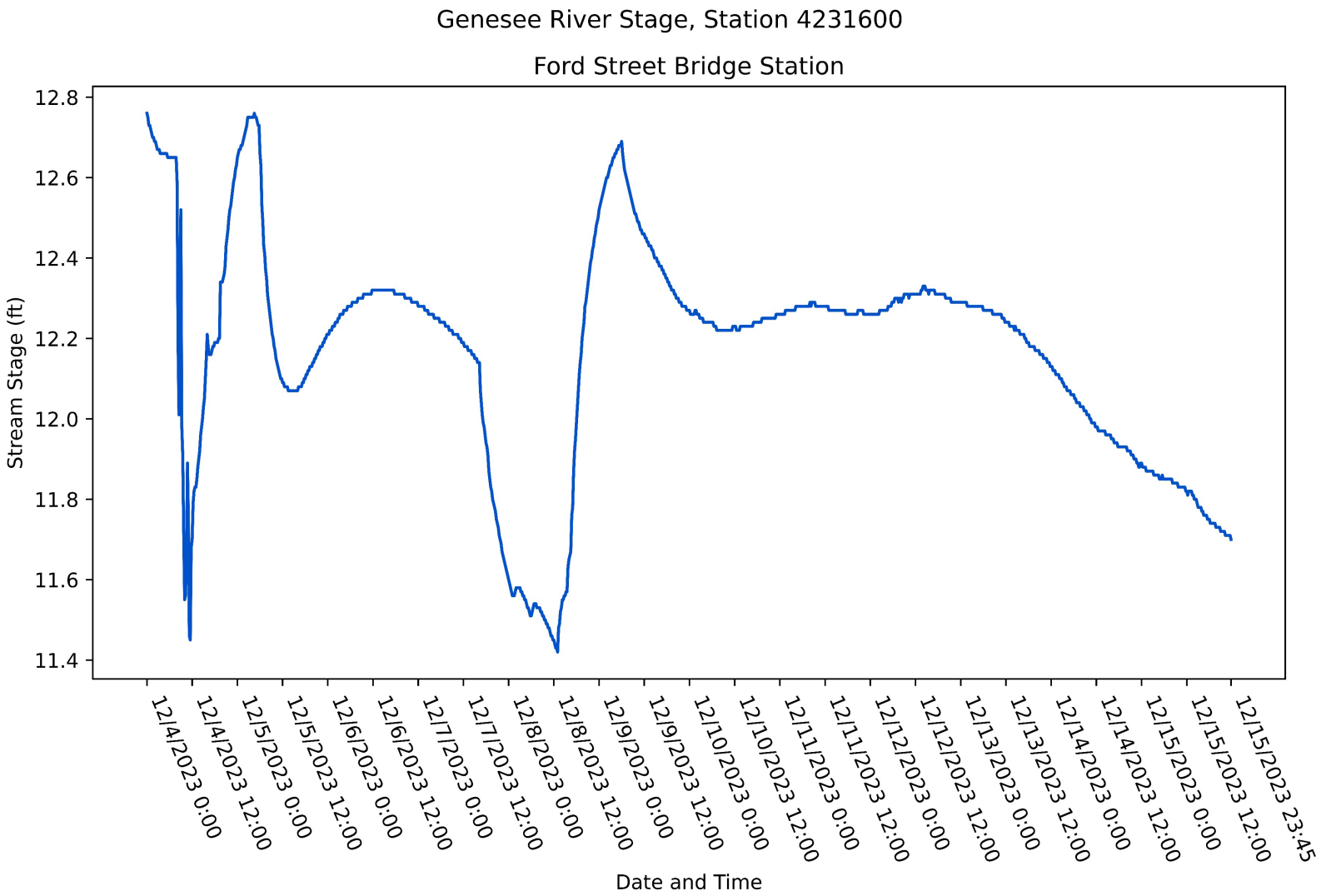
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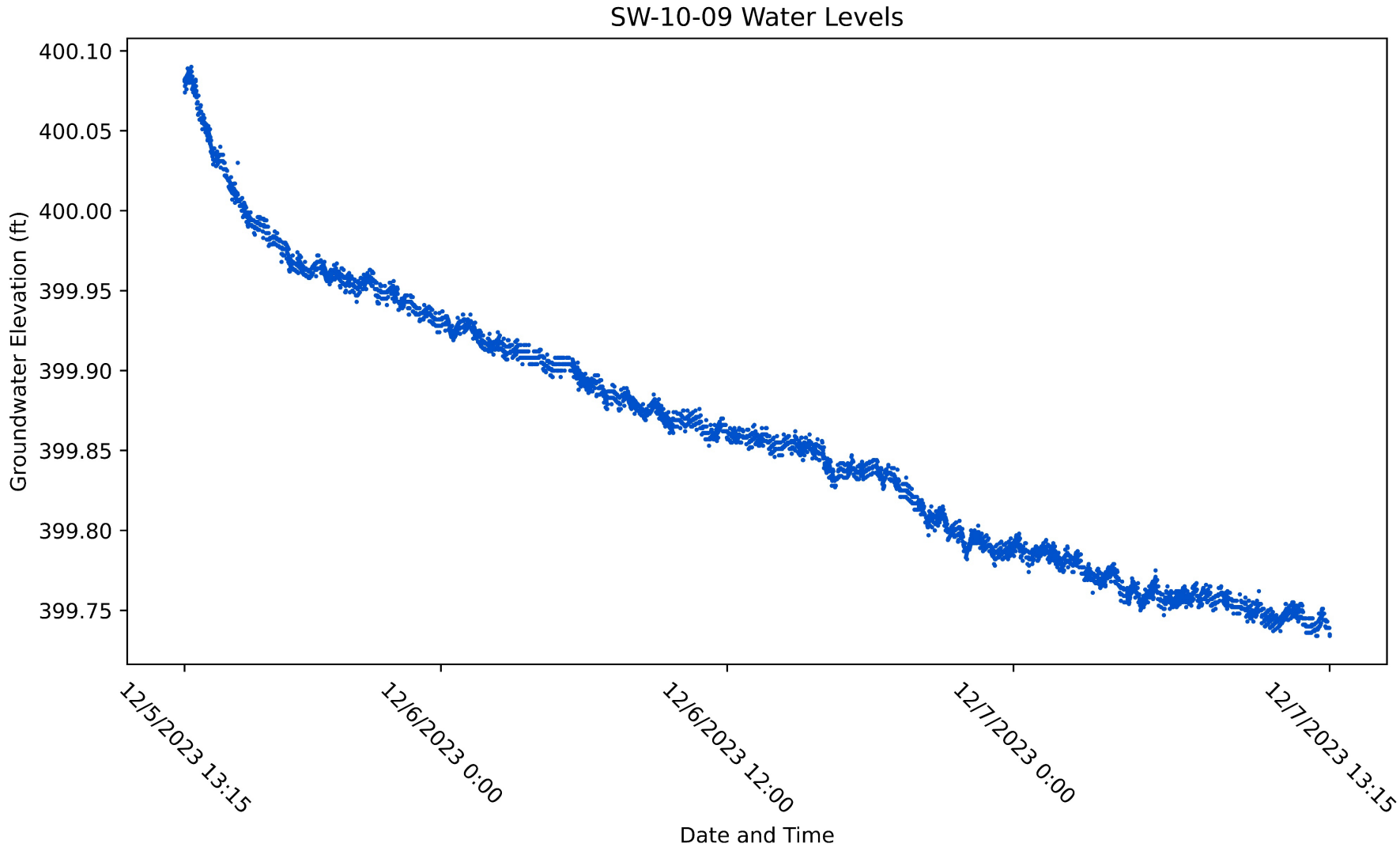


APPENDIX I-1 FIGURE 25
Genesee River Information, Station 4231600 Water levels and Discharge
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
PARSONS

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APPENDIX I-2 FIGURE 1
Ford Street Bridge Stream Stage Gauge Station 4231600
Iberdrola Avangrid – Predesign Investigation Report East Station Pumping Test Analysis March 2024
PARSONS



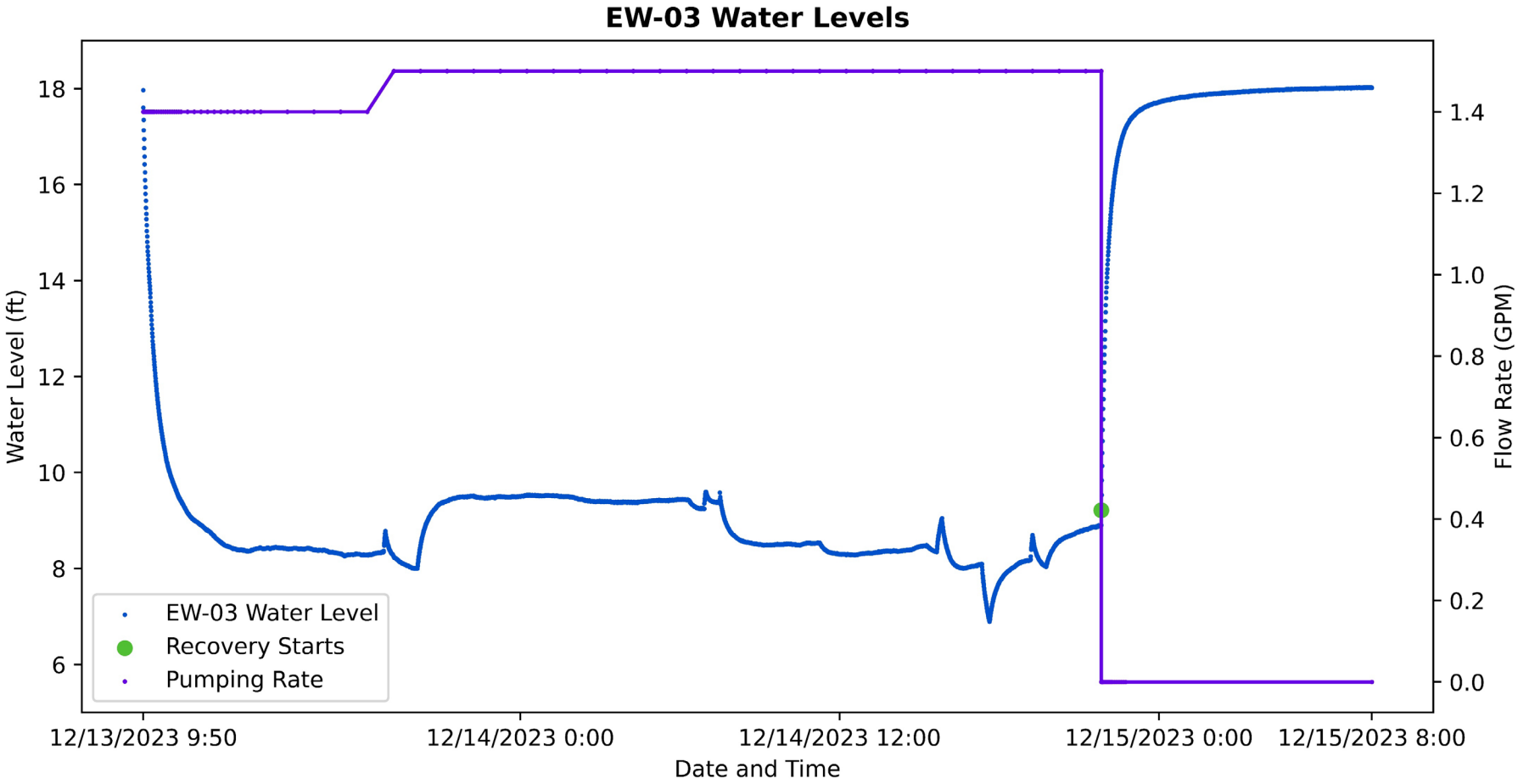
APPENDIX I-2 FIGURE 2

SW-10-09
Water Levels

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

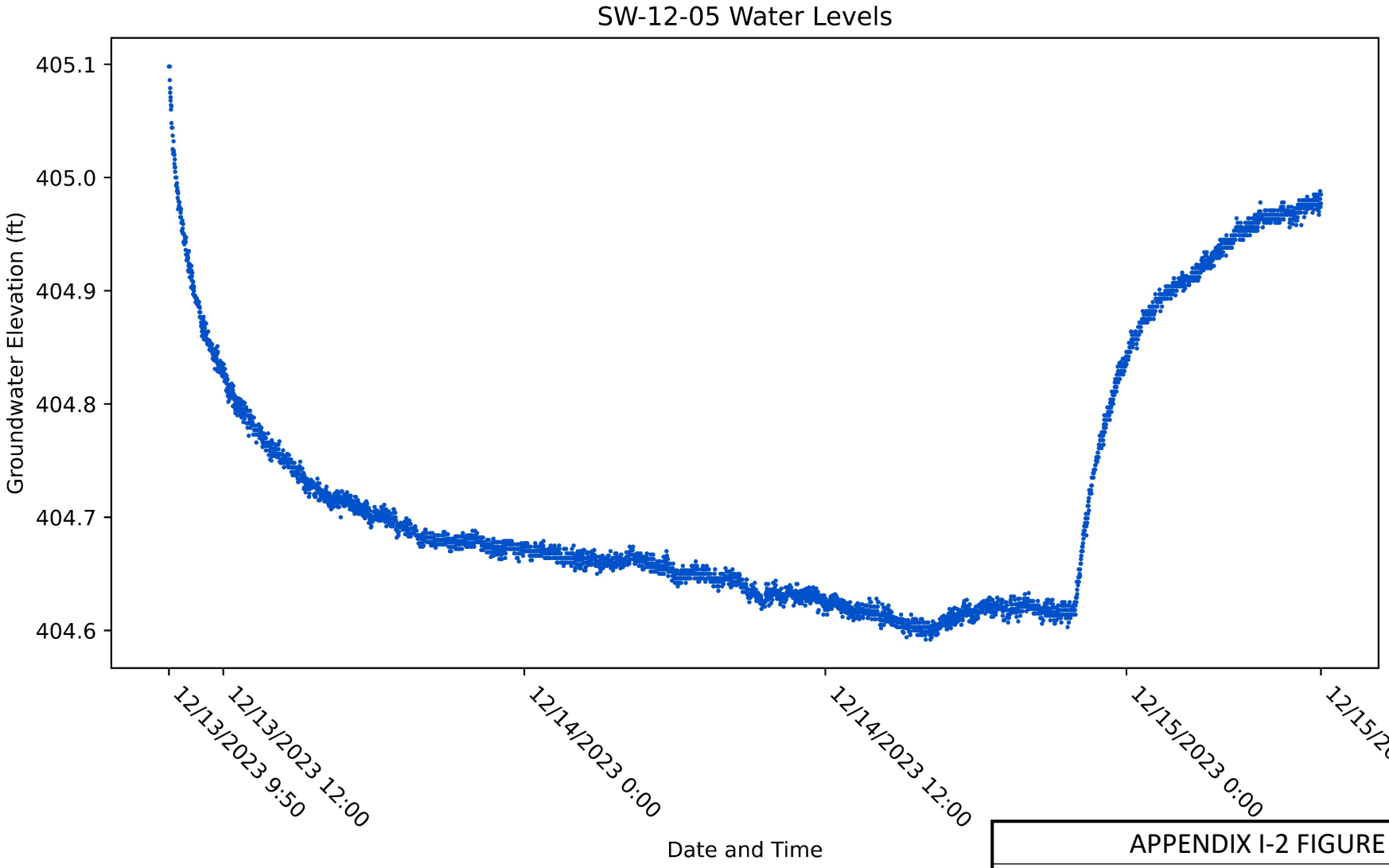
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APPENDIX I-2 FIGURE 3
EW-03 Water Levels Pressure Transducer Barometric Corrected
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
PARSONS

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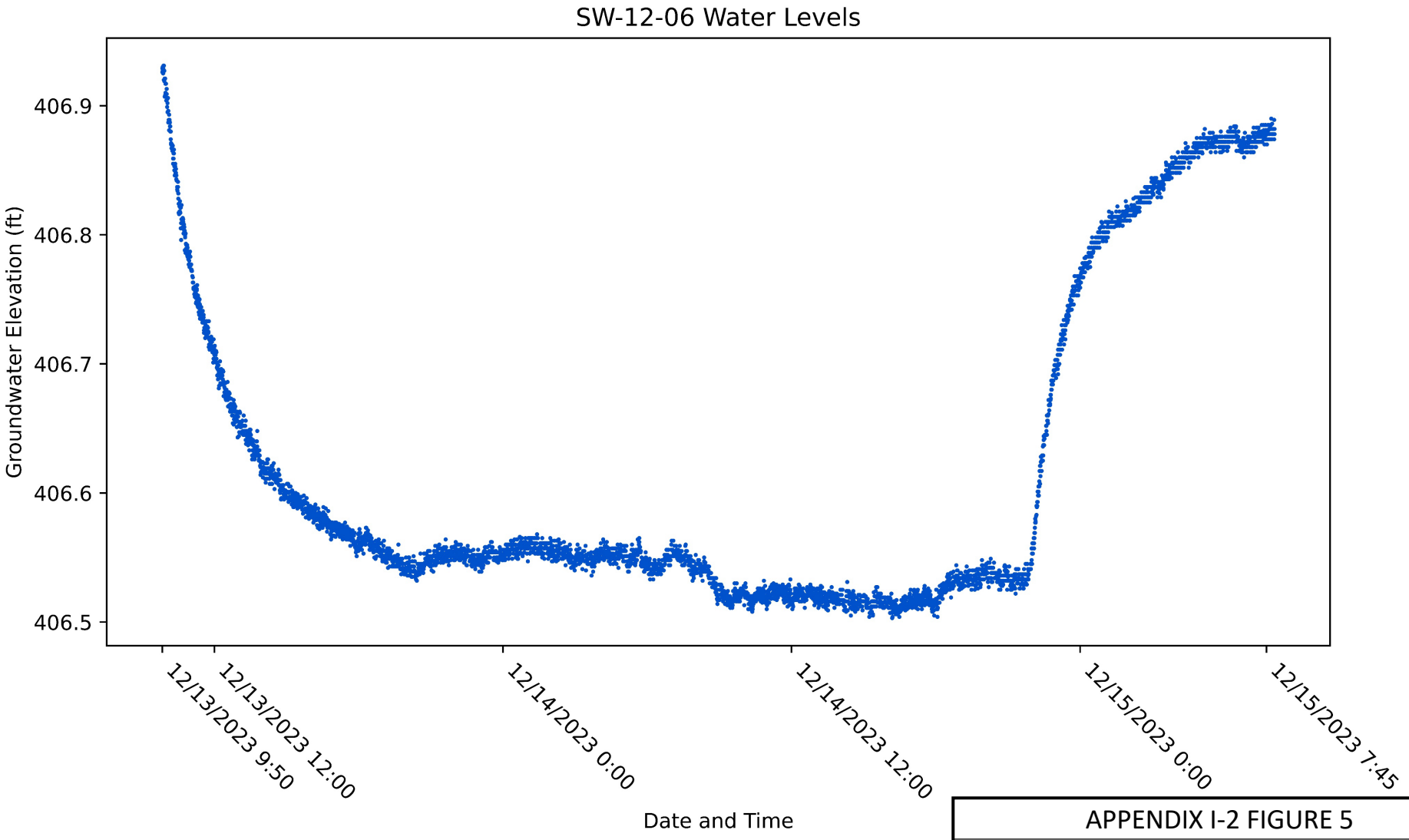
APPENDIX I-2 FIGURE 4

SW-12-05 Water Levels
Pressure Transducer Barometric Corrected

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS

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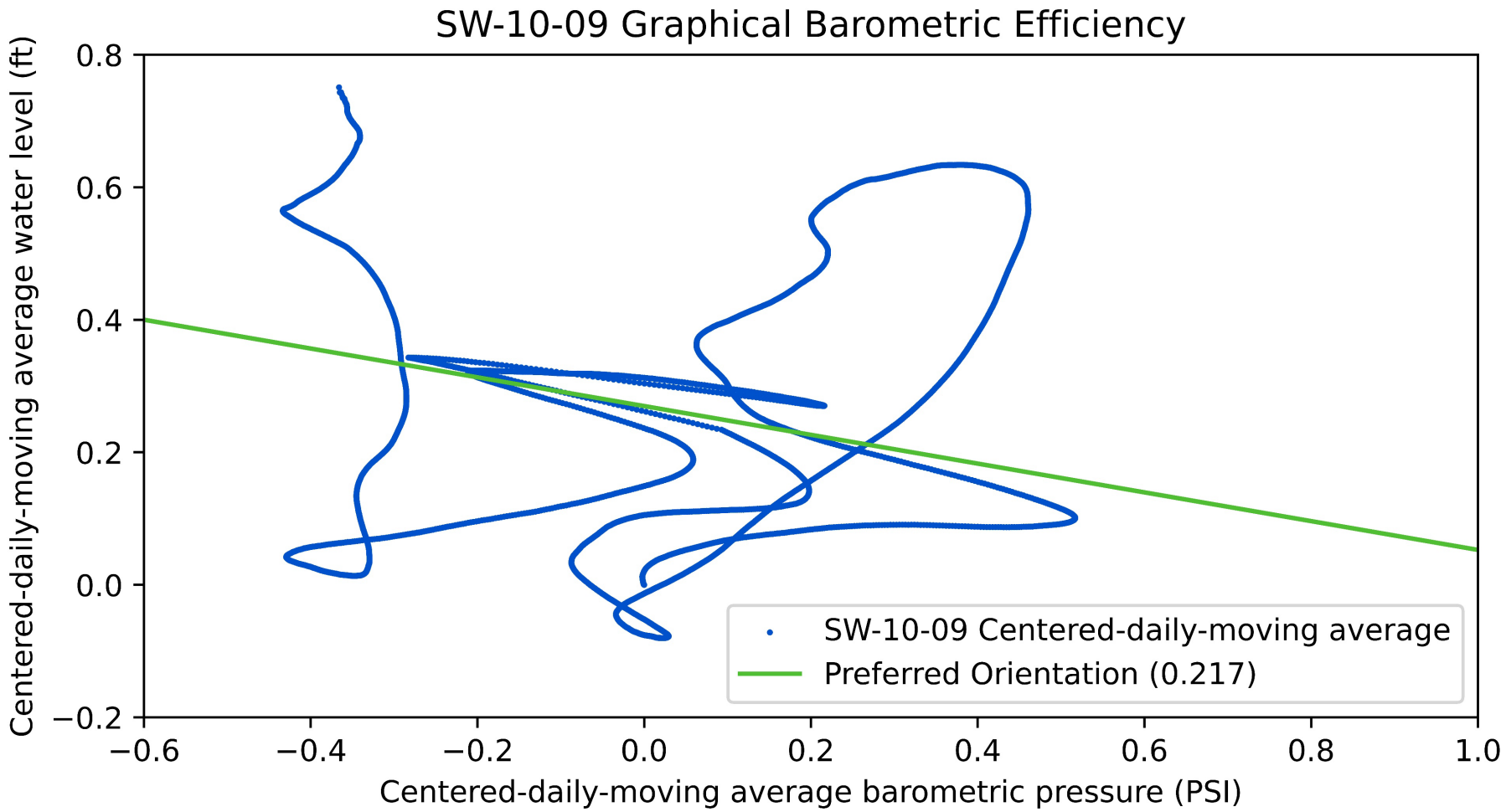
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SW-12-06 Water Levels
Pressure Transducer Barometric Corrected

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

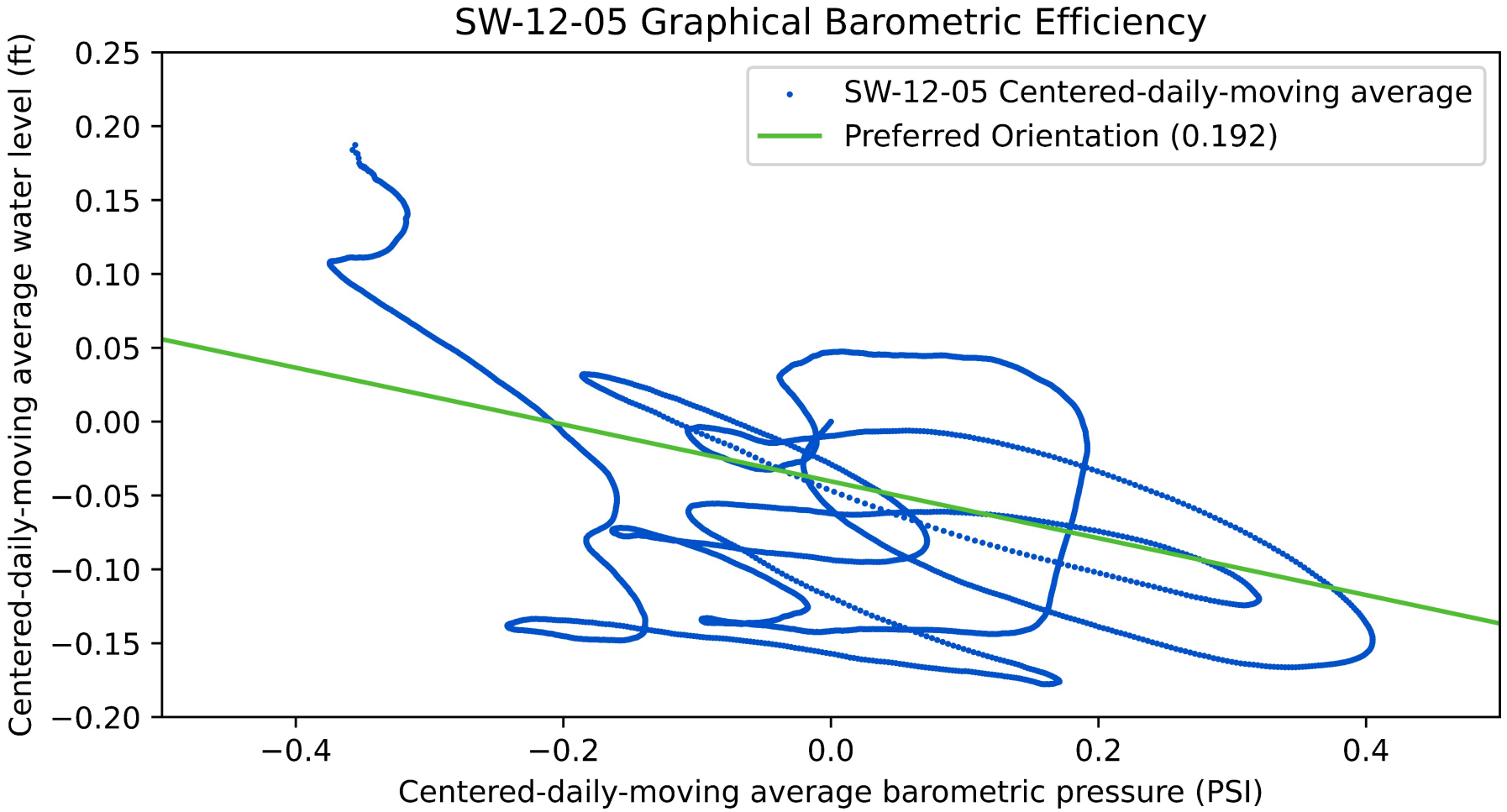
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APPENDIX I-2 FIGURE 6
SW-10-09 Graphical Barometric Efficiency
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
PARSONS

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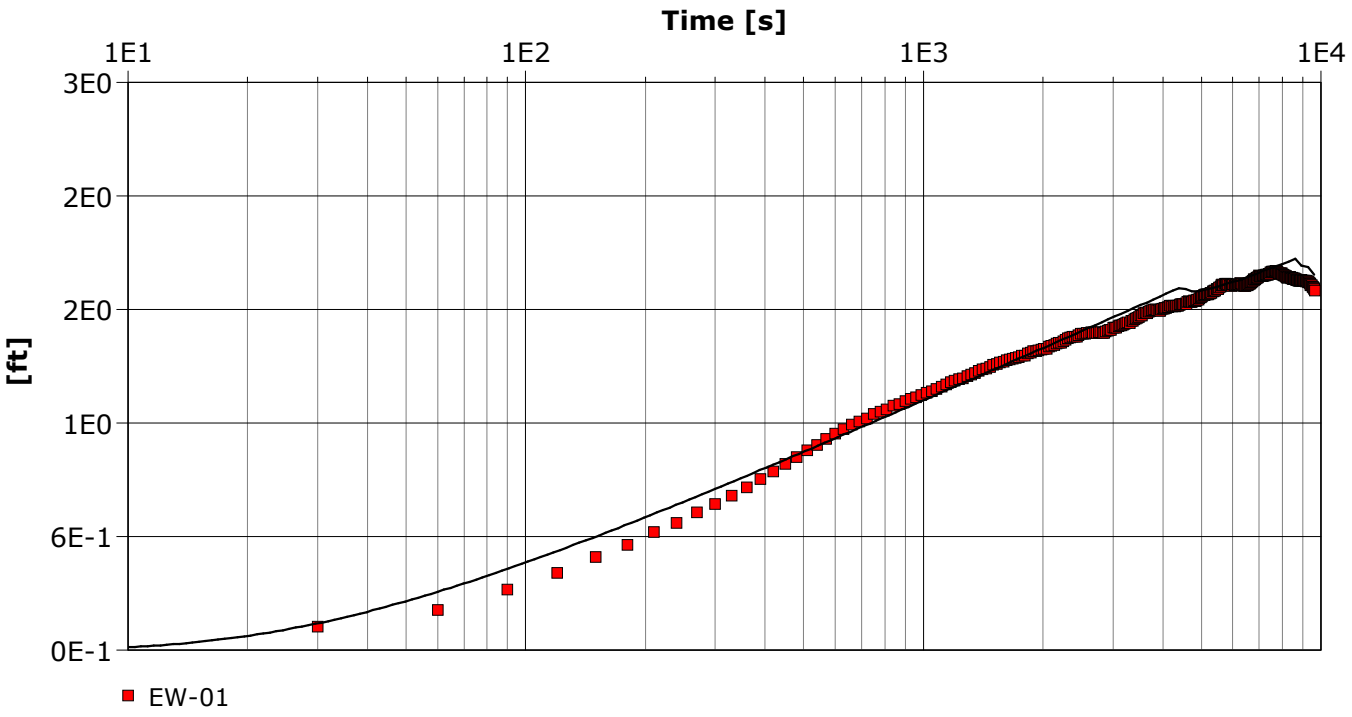


APPENDIX I-2 FIGURE 7
SW-12-05 Graphical Barometric Efficiency
Iberdrola Avangrid East Station Pumping Test Analysis March 2024
PARSONS

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PARSONS®	**Pumping Test Analysis Report**
	Project: East Station Pumping Test Analysis
	Number: 453121
	Client: Iberdrola Avangrid

Location: Rochester, NY	Pumping Test: EW-01 48 Hour Test	Pumping Well: EW-01
Test Conducted by: M. Hambrick, L. Manzella, J. Poulsen, T. Horn		Test Date: 12/4/2023
Analysis Performed by: MH, LM, JS	EW-01 Hantush Leaky	Analysis Date: 3/11/2024
Aquifer Thickness: 19.00 ft	Discharge: variable, average rate 0.9528 [U.S. gal/min]	



Calculation using Hantush

Observation Well	Transmissivit [ft²/d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Ratio K(v)/K(h)	Hydr. resistance [s]	Leakage factor [ft]	Radial Distance to PW [ft]
EW-01	6.05×10^{1}	3.18×10^{0}	9.90×10^{-1}	1.00×10^{-1}	6.21×10^{7}	2.08×10^{2}	0.25

APPENDIX I-2 FIGURE 8

EW-01 48 Hour Test Analysis - Early Data

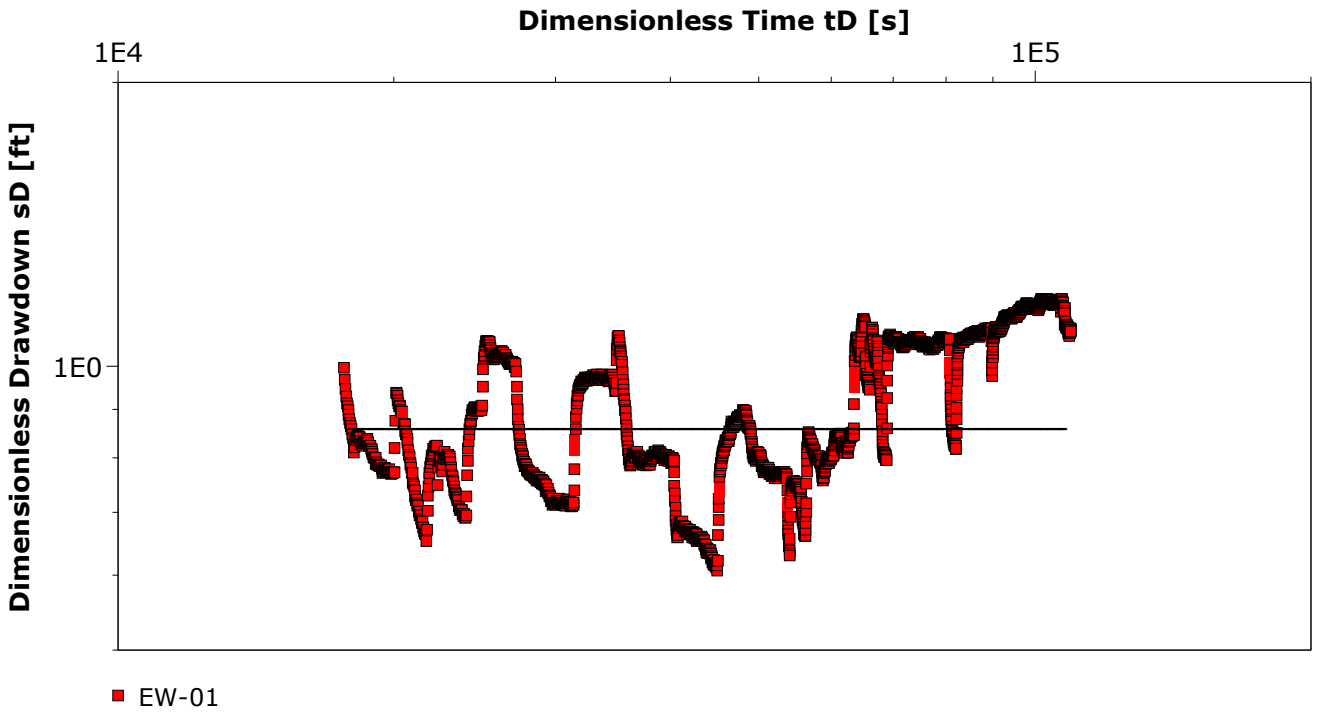
Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS®

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PARSONS®	**Pumping Test Analysis Report**
	Project: East Station Pumping Test Analysis
	Number: 453121
	Client: Iberdrola Avangrid

Location: Rochester, NY	Pumping Test: EW-01 48 Hour Test	Pumping Well: EW-01
Test Conducted by: M. Hambrick, L. Manzella, J. Poulsen, T. Horn		Test Date: 12/4/2023
Analysis Performed by: MH, LM, JS	EW-01 Hantush Leaky	Analysis Date: 3/11/2024
Aquifer Thickness: 19.00 ft	Discharge: variable, average rate 0.9528 [U.S. gal/min]	



Calculation using Hantush

Observation Well	Transmissivit [ft²/d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Ratio K(v)/K(h)	Hydr. resistance [s]	Leakage factor [ft]	Radial Distance to PW [ft]
EW-01	2.25×10^{0}	1.18×10^{-1}	1.00×10^{-3}	1.00×10^{-2}	4.52×10^{2}	1.08×10^{-1}	0.25

APPENDIX I-2 FIGURE 9

EW-01 48 Hour Test Analysis - Late Data

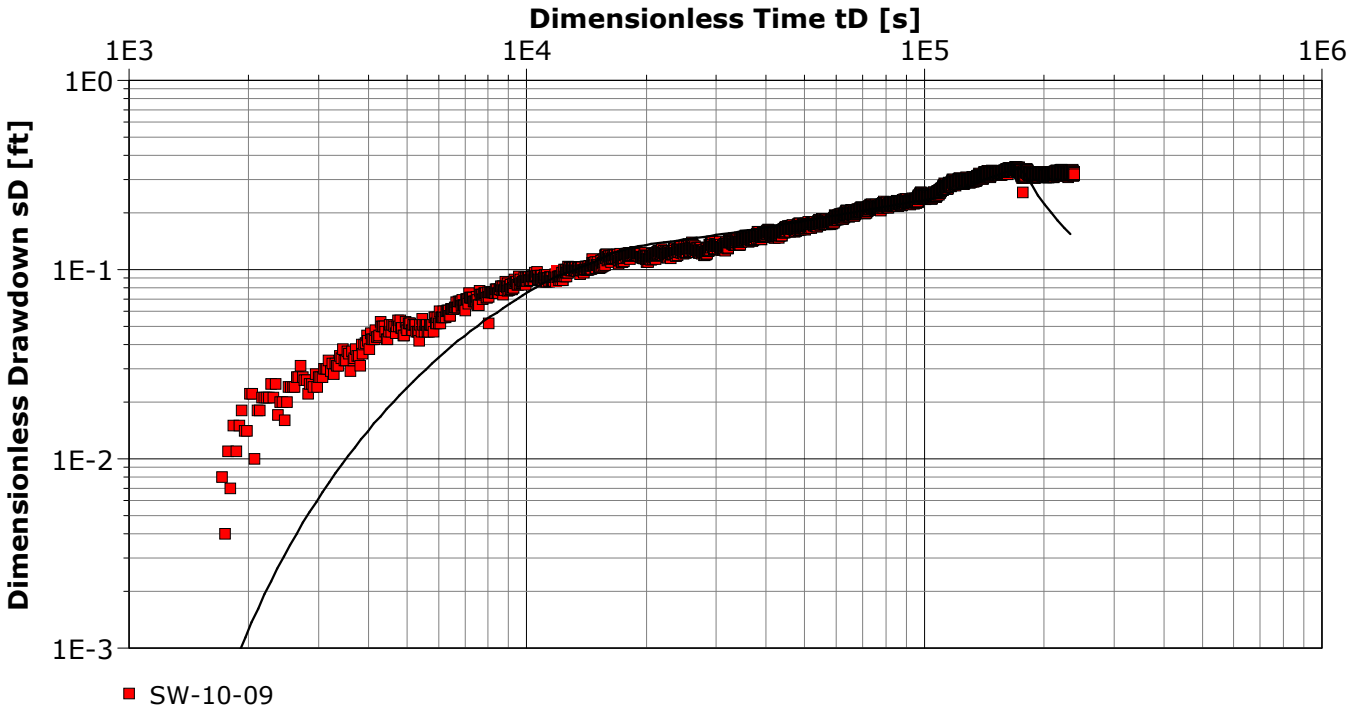
Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS®

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PARSONS®	**Pumping Test Analysis Report**
	Project: East Station Pumping Test Analysis
	Number: 453121
	Client: Iberdrola Avangrid

Location: Rochester, NY	Pumping Test: EW-01 48 Hour Test	Pumping Well: EW-01
Test Conducted by: M. Hambrick, L. Manzella, J. Poulsen, T. Horn		Test Date: 12/4/2023
Analysis Performed by: ALM	SW-10-09 Hantush Leaky	Analysis Date: 3/13/2024
Aquifer Thickness: 19.00 ft	Discharge: variable, average rate 0.9528 [U.S. gal/min]	



Calculation using Hantush

Observation Well	Transmissivit [ft²/d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Ratio K(v)/K(h)	Hydr. resistance [s]	Leakage factor [ft]	Radial Distance to PW [ft]
SW-10-09	1.16×10^{2}	6.11×10^{0}	1.18×10^{-1}	1.00×10^{-2}	1.74×10^{7}	1.53×10^{2}	18.0

APPENDIX I-2 FIGURE 10

SW-10-09 48 Hour Test Analysis

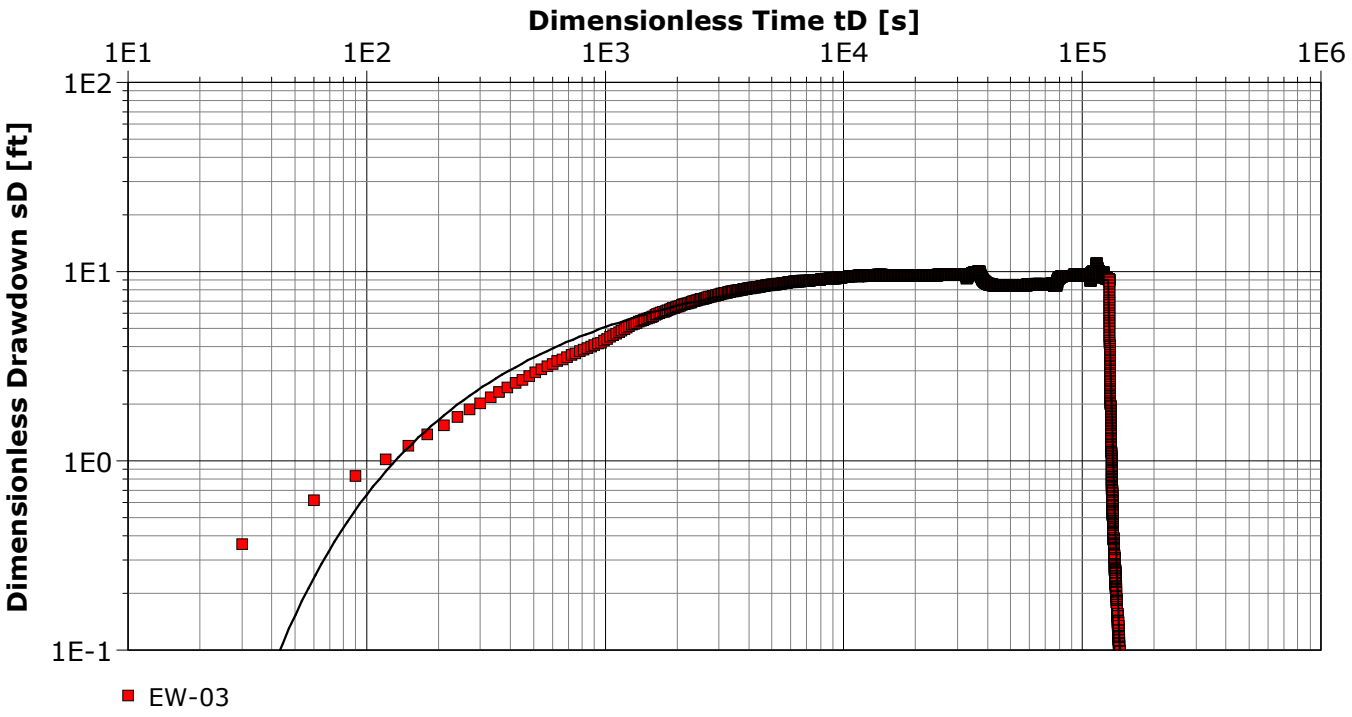
Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS®

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PARSONS®	**Pumping Test Analysis Report**
	Project: East Station PDI
	Number: 453121
	Client: Iberdrola Avangrid

Location: Rochester, NY	Pumping Test: EW-03 36 Hour Test	Pumping Well: EW-03
Test Conducted by: A. Manzella, M. Hambrick, J. Poulsen, and T. Horn		Test Date: 12/13/2023
Analysis Performed by: ALM	EW-03 Hantush Leaky	Analysis Date: 2/12/2024
Aquifer Thickness: 19.00 ft	Discharge: variable, average rate 1.4 [U.S. gal/min]	



Calculation using Hantush

Observation Well	Transmissivit [ft²/d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Ratio K(v)/K(h)	Hydr. resistance [s]	Leakage factor [ft]	Radial Distance to PW [ft]
EW-03	7.28×10^{0}	3.83×10^{-1}	5.30×10^{-1}	1.00×10^{-2}	1.17×10^{4}	9.94×10^{-1}	0.25

APPENDIX I-2 FIGURE 11

EW-03 36 Hour Test Analysis

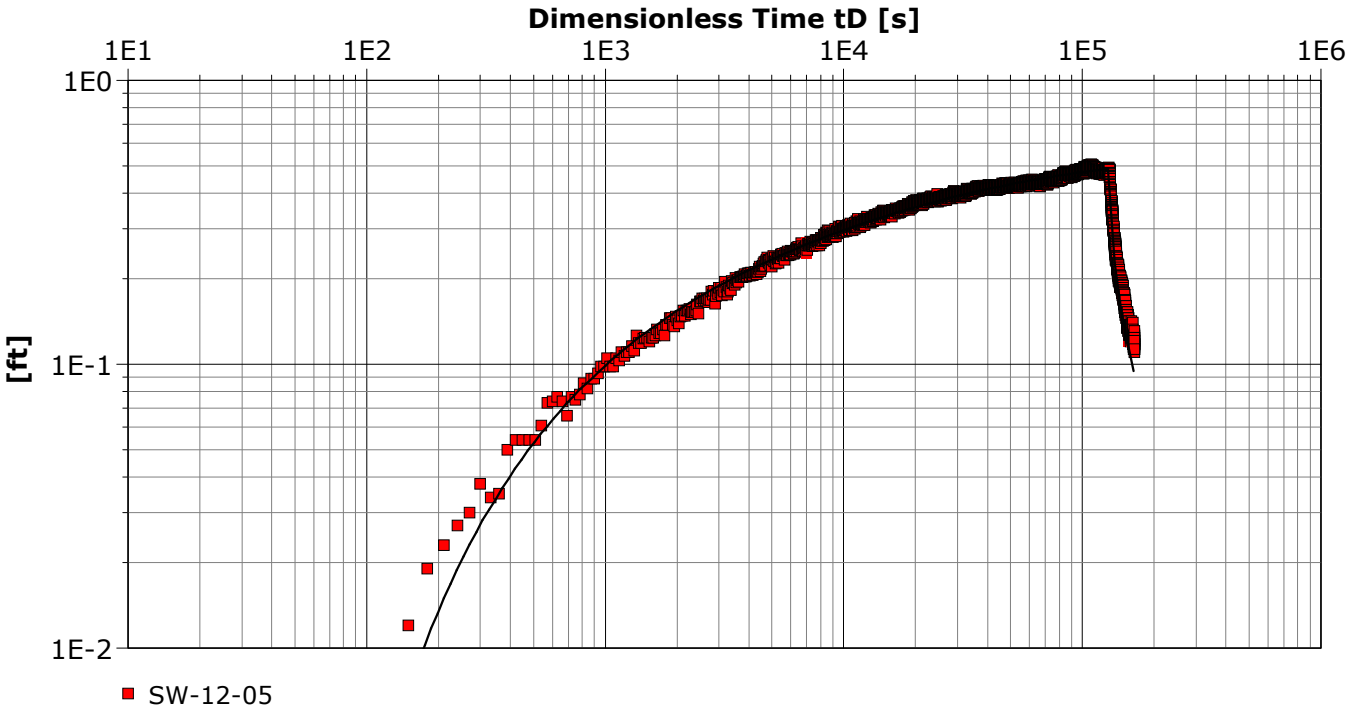
Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS®

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PARSONS®	**Pumping Test Analysis Report**
	Project: East Station PDI
	Number: 453121
	Client: Iberdrola Avangrid

Location: Rochester, NY	Pumping Test: EW-03 36 Hour Test	Pumping Well: EW-03
Test Conducted by: A. Manzella, M. Hambrick, J. Poulsen, and T. Horn		Test Date: 12/13/2023
Analysis Performed by: ALM	SW-12-05 Hantush Leaky	Analysis Date: 3/12/2024
Aquifer Thickness: 19.00 ft	Discharge: variable, average rate 1.4 [U.S. gal/min]	



Calculation using Hantush

Observation Well	Transmissivit [ft²/d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Ratio K(v)/K(h)	Hydr. resistance [s]	Leakage factor [ft]	Radial Distance to PW [ft]
SW-12-05	2.21×10^{2}	1.16×10^{1}	9.61×10^{-2}	1.00×10^{-2}	1.82×10^{6}	6.83×10^{1}	5.23

APPENDIX I-2 FIGURE 12

SW-12-05 36 Hour Test Analysis

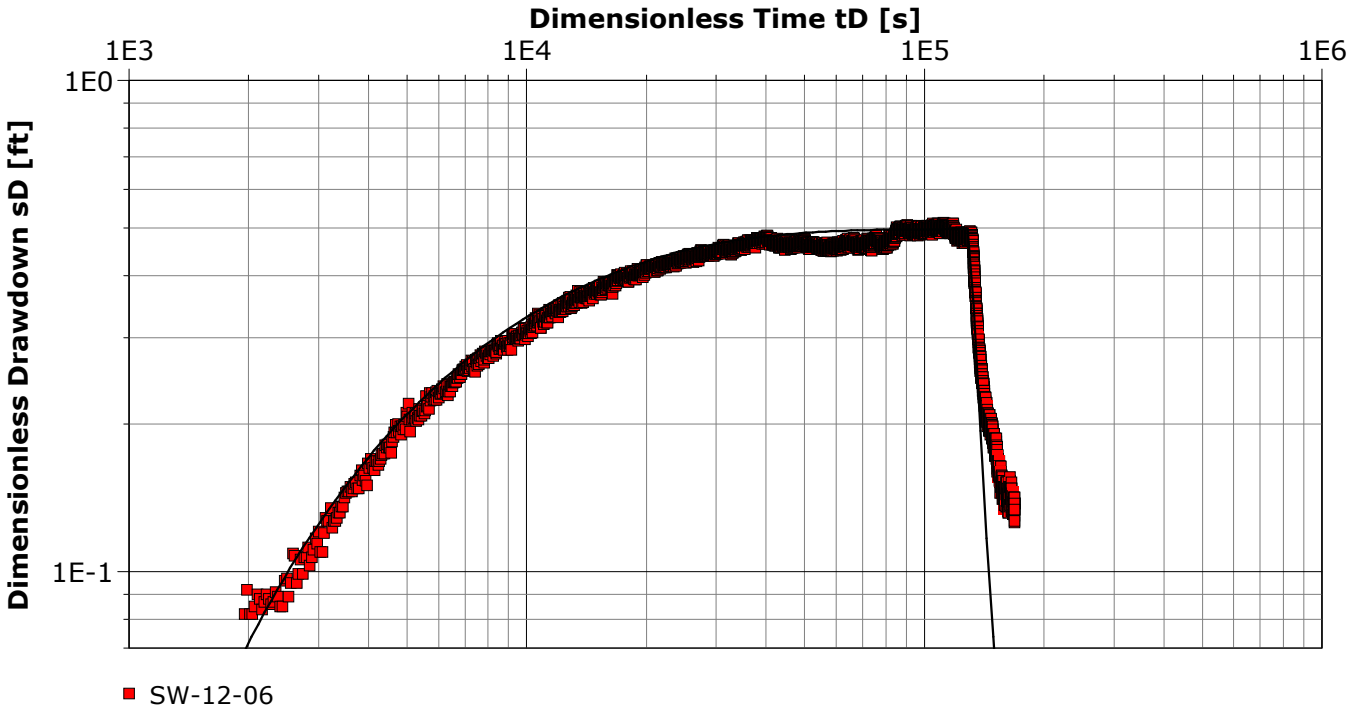
Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

PARSONS®

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PARSONS®	**Pumping Test Analysis Report**
	Project: East Station PDI
	Number: 453121
	Client: Iberdrola Avangrid

Location: Rochester, NY	Pumping Test: EW-03 36 Hour Test	Pumping Well: EW-03
Test Conducted by: A. Manzella, M. Hambrick, J. Poulsen, and T. Horn		Test Date: 12/13/2023
Analysis Performed by: ALM	SW-12-06 Hantush Leaky	Analysis Date: 3/13/2024
Aquifer Thickness: 19.00 ft	Discharge: variable, average rate 1.4 [U.S. gal/min]	



Calculation using Hantush

Observation Well	Transmissivit [ft²/d]	Hydraulic Conductivity [ft/d]	Storage coefficient	Ratio K(v)/K(h)	Hydr. resistance [s]	Leakage factor [ft]	Radial Distance to PW [ft]
SW-12-06	6.51×10^{1}	3.43×10^{0}	7.24×10^{-4}	1.00×10^{-2}	2.81×10^{7}	1.45×10^{2}	89.69

APPENDIX I-2 FIGURE 13

SW-12-06 36 Hour Test Analysis

Iberdrola Avangrid
East Station Pumping Test Analysis
March 2024

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APPENDIX J WETLAND DELINEATION AND HABITAT ASSESSMENT REPORT

WETLAND DELINEATION AND HABITAT ASSESSMENT REPORT FOR THE EAST STATION FORMER MGP SITE - 828204

ROCHESTER, MONROE COUNTY, NEW YORK

Prepared For:

RG&E

Prepared By:

PARSONS

301 Plainfield Road, Suite 350
Syracuse, New York 13212

SEPTEMBER 2024

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Appendix H Plant Observation List

Appendix I Wildlife Observation List

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LIST OF ACRONYMS

ACRONYM	Definition
APT	Antecedent Precipitation Tool
B+L	Bausch and Lomb Incorporated
DBH	Diameter at Breast Height
ECL	Environmental Conservation Law
ECOS	Environmental Conservation Online System
ESA	Endangered Species Act
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FWW	Freshwater Wetland(s)
GPS	Global Positioning System
HUC-12	Hydrologic Unit Code - 12
IPaC	Information for Planning and Conservation
MGP	Manufactured Gas Plant
NAVD88	North American Vertical Datum of 1988
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service
NWI	National Wetland Inventory
NYNHP	New York Natural Heritage Program
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
OHWM	Ordinary High-Water Mark
Parsons	Parsons Environment & Infrastructure Group
R2UBH	Riverine Lower Perennial Unconsolidated Bottom Permanently Flooded
RG&E	Rochester Gas and Electric Corporation
ROW	Right of Way
Section 10	Section 10 of the Rivers and Harbors Appropriation Act of 1899
Section 404	Section 404 of the Clean Water Act
SFHA	Special Flood Hazard Area
TNW	Traditional Navigable Water
Ub	Urban Land
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
W	Water
WOTUS	Waters of the United States
WSS	Web Soil Survey

1.0 INTRODUCTION

The Rochester Gas and Electric Corporation (RG&E) East Station Former Manufactured Gas Plant (MGP) Site (Site) is located in the City of Rochester, Monroe County, New York.

Industrial manufacturing activities including coal carbonization and coal gas manufacturing occurred at the Site from approximately 1872 to 1976. The Site is one of three sites included in a New York State Department of Environmental Conservation (NYSDEC) Multi-Site Order of Consent that became effective June 26, 2018 (Index No, C0-8-20180517-48, Site No. 828204). NYSDEC issued a Record of Decision for the Site in June 2022 (NYSDEC 2022a). In accordance with the Record of Decision, the Site will be remediated and restored.

Parsons Environment & Infrastructure Group (Parsons) has prepared this Wetland Delineation and Habitat Assessment Report for the Site (**Figure 1**). A comprehensive habitat investigation and wetland delineation was conducted by Parsons at the Site from August 14, 2023, to August 17, 2023, to determine the extent of potential impact on State and Federally regulated waters and wildlife habitat in the Site. During the design phase for the Site, the delineated ordinary high-water mark (OHWM) was found to be in inconsistent with previous field surveys and was resurveyed on August 29, 2024. Qualified field biologists performed the field investigation and wetland delineation under the supervision of a registered Professional Wetland Scientist. The field investigation was performed in accordance with the NYSDEC-approved Pre-Design Investigation Work Plan (Parsons 2023). Personnel resumes are provided in **Appendix A**.

2.0 SITE CHARACTERIZATION

2.1 Site Description

The Site is located in Rochester, Monroe County, New York (43.167582531, -77.620444002), at approximate elevation of 400 feet (U.S. survey feet North American Vertical Datum of 1988) (**Figure 2**). The Site includes the RG&E former MGP property, a former Bausch and Lomb Incorporated (B+L) property, and a New York State (NYS)-owned property (**Figure 1**). The RG&E property is 13.15 acres and is located south and west of Suntru Street. The B+L property is 7.82 acres and is located north of the RG&E property and Suntru Street. The NYS-owned property is a 2.25-acre band of the east bank of the Genessee River, along the western boundary of the RG&E property. All three properties will be remediated and restored, in accordance with the Record of Decision. The Site is a mostly flat terrace between the banks of the Genessee River to the west and the Genesee River gorge wall to the east. The Site is bordered to south by the Bausch Memorial Bridge and to the north by an abandoned railroad bridge that crosses the Genessee River. Four small buildings remain on the RG&E property, where Suntru Street ends. The remaining buildings are no longer occupied.

The banks of the Genessee River are a mix of steep, unconsolidated slopes and concrete retaining walls, dominated by non-native trees. South of Suntru Street, the Site is composed of old field vegetation communities and urban forest stands, with a system of unimproved, overgrown roads and vegetated swales that drain toward the Genessee River. North of Suntru Street, the aboveground structures on the B+L property have been removed, but a large field of ground-level concrete slabs remain. Holes and crevices are found throughout, through which non-native and weedy trees are growing. At the time of the assessment, there were no barriers to public access north of Suntru Street, so apparent unauthorized dumping sites are present throughout[1].

2.1 Soils

According to the Natural Resource Conservation Services (NRCS) online websoil survey (WSS), which was assessed on December 5, 2023, one soil type occurs within the Site (**Figure 3**) (United States Department of Agriculture [USDA] 2023). The review of the WSS indicated that this soil type found within the Site is not classified as a hydric soil. The WSS map information is provided in **Table 1**.

Table 1 Soil Characterization

Soil Symbol	Soil Name	Hydric
Ub	Urban Land	No
W	Water	N/A

[1] An access gate was installed on Suntru Street in December 2023 to prevent unauthorized public access.

2.2 Hydrology

The Site borders the Main Stem of the Lower Genesee River, between the High Falls and the Lower Falls. The Lower Genesee River flows north, and is approximately 12 miles long, from the outlet of the river at Lake Ontario to the intersection with the Erie Canal (NYSDEC 2023a).

The Main Stem of the Lower Genesee River fall within the Hydrologic Unit Code-12 (HUC-12) watershed code 041300030704, which encompasses approximately 2,373 acres within New York (NYSDEC 2023b).

According to National Oceanic and Atmospheric Administration (NOAA) records, the Genesee River watershed and Monroe County overall do not often experience flooding events. NOAA records indicate that Monroe County annual precipitation averaged 35.46 inches from 2000 to 2023 (NOAA 2023).

3.0 METHODOLOGY

3.1 Agency Consultation

Federal and state agencies were consulted to determine what, if any, critical habitats and/or state or federally protected species exist within the Site. The desktop analysis was used to develop a habitat investigation plan.

3.1.1 United States Fish and Wildlife Service

The United States Fish and Wildlife Services (USFWS) Environmental Conservation Online System (ECOS) Information for Planning and Conservation (IPaC) webpage was accessed on May 1, 2023 (USFWS 2023a). This tool was utilized to determine which federally protected species and critical habitats, if any, were potentially present within the Site.

3.1.2 New York State Department of Environmental Conservation

An information request was submitted to the New York Natural Heritage Program (NYNHP) on April 25, 2023. This tool was utilized to determine which state protected species and significant natural communities, if any, were potentially present within the Site.

3.2 Aquatic Resources

3.2.1 Wetlands

The wetland delineation was conducted in accordance with the *1987 United States Army Corps of Engineers (USACE) Wetland Delineation Manual*, as well as the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual for the Northeastern and Northcentral Region*, Version 2.0 (Environmental Laboratory 1987, USACE 2012). The indicator status of each plant species was identified within the wetland determination plots using the National Wetland Plant List for Northeast and Northcentral (Lichvar et. al. 2016). Wetlands were classified according to the Cowardin Code (Cowardin et al. 1979). The USACE Antecedent Precipitation Tool (APT) was used to determine whether field data was collected under normal climatic conditions. Wetland determination plots were performed in areas with the highest likelihood of developing wetland indicators (e.g., low areas, areas with wetland indicator species).

3.2.2 Woodland Pools

Woodland pools are small, isolated, ephemerally flooded wetlands that provide critical habitat to many frog, toad, turtle, and salamander species. These pools are flooded for a sufficient period of time to develop hydric soil characteristics and the primary and secondary indicators of wetland hydrology (NYNHP 2022a). As such, woodland pools were delineated in the same manner as wetlands discussed in Section 3.2.1. Woodland pool boundaries, if occurring within the Site, were field delineated.

3.2.3 Streams

Other aquatic environments include water bodies that do not have characteristics (e.g., wetland hydrology and soil, and hydrophytic vegetation) to be delineated as a wetland. Such environments include streams (perennial, intermittent, and ephemeral), rivers, and some ponds. Streams were preliminarily identified in the vicinity of the Site by review of United States Geological Survey (USGS) topographic maps (**Figure 2**), aerial photographs, and existing Federal Emergency Management Agency (FEMA)/ Flood Insurance Rate Maps (FIRM) floodplain maps (**Figure 4**), NYSDEC Environmental Resources maps (**Figure 5**), and USFWS National Wetland Inventory (NWI) maps (**Figure 6**). During the field investigation, The OHWM of identified streams was determined primarily using physical evidence (i.e., shelving, scouring, wracking, deposition, etc.) as outlined in the *USACE Regulatory Guidance Letter 05-05* (USACE 2005), and the *National Ordinary High Water Mark Field Delineation Manual for Rivers and Streams: Interim Version* (USACE 2022).

3.2.4 Floodplains

Special Flood Hazard Areas (SFHAs) are defined by FEMA as areas having special flood, mudflow, or flood-related erosion hazards. SFHAs are presented on FEMA/FIRM floodplain maps. SFHAs within the Site were identified in a desktop analysis by producing a FEMA/FIRM Floodplain Map (**Figure 4**).

3.2.5 Culverts, Ditches, and Swales

Because of landscape changes due to urbanization, additional waterways exhibiting a defined bed and bank, such as ditches, swales, and culverts, if occurring within the Site, were identified during field investigation and classified as either ephemeral, intermittent, or perennial. Culverts, ditches, and swales were identified using aerial imagery, historical construction information, and data from Site reconnaissance. During the field investigation, culvert diameter, length, and location were recorded. Data on vegetation, soils, and hydrology were collected using the same methodology described in Section 3.2.1.

3.3 Habitat and Endangered, Threatened, and Rare Species Assessment

3.3.1 Habitat Surveys

The goals of the habitat investigation were to describe ecological community types, fish and wildlife resource requirements and value, and invasive species presence, as well as to identify potential impacts to the identified fish and wildlife resources in the commission of the work. Vegetation types and land-use cover types were initially reviewed using agency resource maps and aerial imagery, and further identified in the field by compiling vegetation lists for distinct areas and identifying areas of significant invasive species cover. Direct field observation in conjunction with review of associated species and habitat preference was used to assess fish and wildlife resources.

3.3.2 Tree Survey

A tree survey was performed on trees and shrubs greater than three inches in diameter at breast height (DBH) within the Site. Data collected for each tree included location recorded with a global positioning system (GPS), estimated height, DBH, condition of the tree, and visual inspection of potential roosting bat habitat (i.e.,

exfoliating bark, fissures, holes, cracks, or any other suitable bat habitat). Collected data were recorded on the attached Potential Bat Roost Survey Datasheet. Trees that were determined to provide potential roost habitat were flagged with blue and pink ribbon.

3.3.3 Milkweed Abundance and Diversity

Significant populations of common milkweed, swamp milkweed (*Asclepias incarnata*), and/or butterfly weed (*Asclepias tuberosa*) were identified, delineated, and mapped within the Site using a GPS. A significant population of milkweed is defined as being equal to or more than 50 stems per acre and was mapped with a GPS. Observations of the Monarch Butterfly were reported under the wildlife observation list.

3.3.4 Nuisance and Invasive Species

Moderate to significant stands of nuisance and/or invasive species were identified within the Site. A moderate stand is defined as equal to or more than 25 stems per acre, while a significant stand is defined as equal to or more than 50 stems per acre. Areas of overlapping invasive species were identified and located with a GPS.

4.0 RESULTS

4.1 Agency Results

4.1.1 United States Fish and Wildlife Service

On May 1, 2023, Parsons generated a USFWS IPaC Trust Resource Report for the Site (**Appendix B**). The results of the report are summarized below:

Proposed, Candidate, Threatened, and Endangered Species

The report suggests that the Site may be inhabited by a total of one federally protected species: the Northern Long-eared Bat. Additionally, the report suggests that one candidate species, the Monarch Butterfly, may inhabit the Site.

Critical Habitats

According to the USFWS IPaC Trust Resource Report, the Site does not contain any critical habitat areas.

Migratory Birds

According to the USFWS IPaC Trust Resource Report, a total of 15 migratory bird species of conservation concern may inhabit the Site, including the Bald Eagle (*Haliaeetus leucocephalus*), Belted Kingfisher (*Megaceryle alcyon*), Black-billed Cuckoo (*Coccyzus erythropthalmus*), Bobolink (*Dolichonyx oryzivorus*), Canada Warbler (*Cardellina canadensis*), Cerulean Warbler (*Dendroica cerulea*), Chimney Swift (*Chaetura pelagica*), Evening Grosbeak (*Coccothraustes vespertinus*), Golden Eagle (*Aquila chrysaetos*), Golden-winged Warbler (*Vermivora chrysoptera*), Lesser Yellowlegs (*Tringa flavipes*), Pectoral Sandpiper (*Calidris melanotos*), Prairie Warbler (*Dendroica discolor*), Red-headed Woodpecker (*Melanerpes erythrocephalus*), and Wood Thrush (*Hylocichla mustelina*).

4.1.2 New York State Department of Environmental Conservation

4.1.2.2 New York Natural Heritage Program

On June 8, 2023, Parsons received a response from the NYNHP information request (**Appendix C**). The results of the report are summarized below:

Rare or State-listed Plant Species

According to the NYNHP report, there are no rare or State-listed plant species occurrences within the Site or within one mile of the Site.

Natural Heritage Priority Sites

According to the NYNHP report, there are no Natural Heritage Priority Sites within the Site or within one mile of the Site.

Rare or State-listed Wildlife Species

According to the NYNHP report, the Site does not include habitat for any rare or state-listed wildlife species. However, the state endangered Peregrine Falcon (*Falco peregrinus*) has been documented nesting within 1/2 mile of the Site.

4.1.2.3 NYSDEC Environmental Resource Mapper

The NYSDEC Environmental Resource Mapper was accessed on May 1, 2023 to assess additional rare or imperiled species. Results indicated the Genesee River as an imperiled mussel screening stream, meaning it is known to contain mussel species that are rare, threatened, or endangered in New York State.

4.2 Aquatic Resources

During the course of the field investigation, no wetlands or woodland pools were identified within the Site. The Genessee River, which borders the Site along its western boundary, was surveyed for OHWM (**Appendix D**). A total of four wetland determination plots were sampled in representative areas of the Site. The USACE datasheets are presented in **Appendix E**. Photographic documentation for each feature may be found in **Appendix F**. A wetland and stream delineation map is presented in **Figure 7**.

4.2.1 Wetlands

No mapped wetlands are present within the Site as identified on NYSDEC Environmental Resources maps (**Figure 5**) or USFWS NWI maps (**Figure 6**). No wetlands were identified during the course of the field investigation. A total of four USACE wetland determination plots were surveyed throughout the Site to characterize hydrology, soils, and vegetation. None of the plots were determined to be wetlands. Wetland determination datasheets can be found in **Appendix E**. The output from the USACE APT is presented in **Appendix G.** The results from the APT show that data for plots 1U, 2U, and 3U were collected under normal climatic conditions on August 14, 2023, and that data for plot 4U was collected under "wetter than normal" conditions on August 16, 2023. Wetter than normal conditions may impact hydrologic indicators (saturation, water table depth), favoring a false positive for wetland hydrology. However, since plot 4U showed no signs of wetland hydrology, the wetter climatic conditions had no impact on the determination.

All areas throughout the Site, with the exception of portions of the Genesee River bank, consist of unconsolidated urban fill materials that are up to 20 feet deep. Much of the Site consists of impervious surfaces including asphalt, concrete, and hard-packed gravel. The remainder of the Site consists of old fields, stands of weedy or invasive trees, and the steep, forested banks of the Genesee River and its gorge walls. No wetland fringe was present above the OHWM. Four wetland determination plots were performed in areas with plausible wetland characteristics (swales, low areas). Plots 1U, 2U, and 4U displayed no indicators of wetland hydrology, hydrophytic vegetation, or hydric soils. Plot 3U displayed wetland hydrology and hydrophytic vegetation but did not have hydric soils. Plot 3U is located in a common reed-dominated area along a drainage swale, where the vegetated swale meets a rock-lined outlet to the Genesee River. Although the common reed-dominated area has some wetland characteristics, it is not poorly drained enough to develop indicators of hydric soil. Because soils are non-native, they are inconsistent, but generally consisted of silt and sand loams, often underlain by coarse aggregates. No soil cores displayed prominent redox features or other indicators of hydric soil.

4.2.2 Woodland Pools

No woodland pools were identified during the field reconnaissance.

4.2.3 Streams and Rivers

The Genessee River borders the Site to the west for approximately 1,600 feet. The Genesee River is listed on USFWS NWI maps as riverine lower perennial unconsolidated bottom permanently flooded (R2UBH). At the Site, the Genesee River is approximately 200 feet wide. Flow conditions are highly variable, but water depths within the channel range from approximately six to 20 feet in the reach of the Genesee River adjacent to the Project Area. The western bank of the Genessee River along this reach consists of steep slopes and cliffs rising above the water. The eastern bank of the Genesee River at the Site are steep, ranging from 10 to 20 feet above the water, and consisting of slopes of hard fill (rock, brick, debris) and concrete retaining walls. The banks of the Genesee River have been colonized by non-native or weedy trees including tree of heaven (*Ailanthus altissima*), Norway maple (*Acer platanoides*), and box elder (*Acer negundo*). The man-made banks of the Genesee River have resulted in a discrete OHWM, and no fringe wetlands were identified above the OHWM.

As previously indicated, the OHWM of the Genesee River along the Site boundary was delineated in August 2023. However, after review of the collected data, it was determined that the identified OHWM was inconsistent with available hydrological data and data from nearby OHWM determinations (i.e., RG&E West Station Former MGP Site - 828205). A verification of the OHWM was performed on August 29, 2024 to investigate the discrepancy and it was determined that the August 2023 OHWM delineation (average 396 U.S. survey feet of North American Vertical Datum of 1988 [NAVD88]) was inaccurate. The OHWM was re-delineated during the August 2024 field effort. The average elevation of the August 2024 delineated OHWM along this reach of the Genesee River was 391 U.S. survey feet NAVD88. The updated OHWM is shown in **Figure 7**, and photographs showing diagnostic evidence (i.e., shelving, scouring, wracking, deposition, etc.) of the OHWM is shown in **Appendix F**, Photographs 32 through 35.

4.2.4 Floodplains

According to the FEMA/FIRM Floodplain Map (Panel Number 36055C0211G, eff. 8/28/2018), the banks of the Genessee River, and the western edge of the Site, are within a SFHA Regulatory Floodway (**Figure 4**).

4.2.5 Culverts, Ditches and Swales

Several unmaintained drainage swales are present in the southern half of the Site (**Figure 8**). The drainage swales travel west and north through the Site, draining the RG&E property south of Suntru Street, and terminating at a rock-lined outlet into the Genesee River. Herbaceous vegetation is the main cover throughout the swales, with occasional clumps of clonal trees. Sampling wells are present throughout the drainage swales. Three wetland determination plots were performed throughout the drainage swales (**Appendix E**, plots 1U, 2U, and 3U) to characterize the hydrology, vegetation, and soils in the swales. As described in Section 4.2.1, no wetlands were identified within the drainage swales. The drainage swales were dry throughout, and showed no signs of prolonged inundation, indicating that they are likely ephemeral and transport stormwater only during rainfall events. No culverts, ditches, or swales were identified north of Suntru Street.

4.3 Habitat and Endangered, Threatened, and Rare Species Assessment

4.3.1 Habitat Surveys

The following subsections describe present land uses within the Site (i.e., ecological community types) (**Figure 8**). A list of plant species encountered in each ecological community can be found in **Appendix H**. Wildlife species encountered can be found in **Appendix I**.

Impervious Surface (**Appendix F**, Photographs 2, 4, 5, 6, 9, 10, 14, 16, and 18)

The Site contains large swaths of impervious surface throughout. Suntru Street, several structures, and paved parking lots bisect the north and south halves of the Site. South of Suntru Street, large areas of the RG&E property consist of hard-packed gravel surfaces, access roads, and the foundations of former structures. North of Suntru Street, the aboveground structures on the B+L property have been removed, however a large area with ground-level concrete slabs remains. Impervious surfaces occupy approximately 40 percent of the Site. The impervious surface areas have no dominant vegetation and are largely bare. In the B+L concrete slab area, cracks and holes in the concrete allow weedy and invasive trees to grow including tree of heaven, and black locust (*Robinia pseudoacacia*).

Old Field (**Appendix F**, Photographs 7, 13, 19, and 23)

The Site contains several areas of old field vegetation. The old fields occupy approximately 35 percent of the Site. The dominant vegetation type in the old fields is herbaceous, including common timothy (*Phleum pratense*), black knapweed (*Centaurea nigra*), tufted vetch (*Vicia cracca*), mugwort (*Artemisia vulgaris*), and turf grasses (*Poa* sp.). Other common herbs in the old fields include common bird's foot trefoil (*Lotus corniculatus*), black medic (*Medicago lupulina*), and Queen Anne's lace (*Daucus carota*). Notably, several stands of common milkweed (*Asclepias syriaca*), the obligate larval host of the Monarch Butterfly, are present throughout the old field areas south of Suntru Street. Although uncommon, several weedy tree species also occur throughout the old field areas including tree of heaven and black locust.

Urban Forest (**Appendix F**, Photograph 15)

The Site contains two stands of urban forest dominated by invasive clonal trees and early successional trees. Urban forest occupies 10 percent of the Site. The urban forest tree layer is dominated by tree of heaven, black locust, and box elder. The shrub layer is dominated by many saplings and root suckers of tree of heaven. The herb layer is dominated by common white snakeroot (*Ageratina altissima*). Subdominant tree species include northern catalpa (*Catalpa speciosa*), Norway maple (*Acer platanoides*), and eastern cottonwood (*Populus deltoides*). These urban forests have very little native vegetation, and the most common species is tree of heaven. The forest floor is composed of a thin soil layer over fill material, with litter and debris scattered throughout.

Drainage Swale (**Appendix F**, Photographs 12, 17, and 22)

South of Suntru Street, several connected drainage swales drain the RG&E property, ultimately to the Genesee River via a rock-lined outlet. Drainage swale occupies five percent of the Site. The dominant cover type is herbaceous, composed of grasses such as common timothy and turf grasses, and forbs such as Queen Anne's lace and Canada thistle (*Cirsium arvense*). In low areas, occasional stands of common reed (*Phragmites australis*) have become established. Soils are composed of inconsistent silt and sand loams over a layer of hard fill or rock. Sampling wells are located throughout the drainage swale that runs north/south toward the rock-lined outlet.

Confined River (**Appendix F**, Photographs 3 and 20)

The Genessee River borders the Site to the west for approximately 1,600 feet. Along the reach that borders the Site, the Genesee River is a large, confined river within the Genesee River gorge. The confined river area includes the river and banks below the delineated OHWM. At the Site, the Genesee River is approximately 200 feet in width, with channel depths ranging from approximately six to 20 feet. The confined river area occupies approximately three percent of the Site. The western bank of the Genessee River along this reach consists of the steep slopes and cliffs of the gorge wall. Along the western edge of the NYS-owned property, south of Suntru Street, the banks of the river are steep, consisting of hard fill (rock, brick, debris). In this southern half of the reach, tree of heaven, Norway maple, and box elder are the dominant tree species, with vines including riverbank grape (*Vitis riparia*), oriental bittersweet (*Celastrus orbiculatus*), and poison ivy (*Toxicodendron radicans*). Along the B+L property, a vertical concrete retaining wall is the flagged OHWM. Below the retaining wall, a flat strip of vegetated streambank is dominated by box elder and crack willow (*Salix* x *fragilis*), often blanketed with riverbank grape and oriental bittersweet. The herbaceous layer in the northern half of the reach contains patches of reed canary grass (*Phalaris arundinacea*), green-fruited clearweed (*Pilea pumila*), hybrid cattail (*Typha x glauca*) and rice cut grass (*Leersia orzyoides*).

Municipal Right of Way (ROW) (**Appendix F**, Photograph 23)

A strip of municipal ROW is located at the southern edge of the Site beneath the Bausch Memorial Bridge. The municipal ROW occupies approximately three percent of the Site. The area beneath the bridge is mostly bare, composed of rock fill and debris. Occasional invasive and non-native weedy trees are present including black locust and tree of heaven. Patches of weedy herbs are also present including mugwort, butter and eggs (*Linaria vulgaris*), common bird's foot trefoil, and black medic.

Forested Riparian (**Appendix F**, Photographs 3, 20, and 21)

The western boundary of the Site borders the Genesee River. The steep banks of the river are dominated by riparian tree species and vines. The forested riparian area occupies four percent of the Site. The composition of species in the forested riparian area is mostly non-native, invasive, or weedy early-successional species. The dominant tree species in the forested riparian area is tree of heaven, Norway maple, and box elder. Throughout the forested riparian area, vines including riverbank grape, oriental bittersweet, and eastern poison ivy are found climbing trees and blanketing dead snags. In some areas, black swallowwort (*Vincotoxicum nigrum*) blankets forest floor. The banks of the Genesee River along this reach are man-made, consisting of slopes of hard fill (rock, brick, debris) and concrete retaining walls.

Ecological community type, associated dominant plant species, and representative percentage of Site are summarized in **Table 2.**

Table 2 Land Use

Ecological Community Type	Dominant Plant Species	Percentage of Site
Impervious Surface	None	~40%
Old Field	Mugwort (*Artemisia vulgaris*) Black knapweed (*Centaurea nigra*) Common Timothy (*Phleum pratense*) Turf grass (*Poa* sp.) Tufted vetch (*Vicia cracca*)	~35%
Urban Forest	Tree of heaven (Ailanthus altissima) Boxelder (*Acer negundo*) Black locust (*Robinia psuedoacacia*) White snakeroot (*Ageratina altissima*)	~10%

Ecological Community Type	Dominant Plant Species	Percentage of Site
Drainage Swale	Common Timothy (*Phleum pratense*) Turf grass (*Poa* sp.) Queen Anne's lace (*Daucus carota*) Canada thistle (*Cirsium arvense*) Common reed (*Phragmites australis*)	~5%
Confined River	Tree of heaven (*Ailanthus altissima*) Boxelder (*Acer negundo*) Norway maple (*Acer platanoides*) Hybrid crack willow (*Salix* x *fragilis*) Eastern poison ivy (*Toxicodendron radicans*) Oriental bittersweet (*Celastrus orbiculatus*) Riverbank grape (*Vitis riparia*)	~3%
Municipal ROW	None	~3%
Forested Riparian	Tree of heaven (*Ailanthus altissima*) Norway maple (*Acer platanoides*) Boxelder (*Acer negundo*) Oriental bittersweet (*Celastrus orbiculatus*) Riverbank grape (*Vitis riparia*) Eastern poison ivy (*Toxicodendron radicans*)	~4%

4.3.2 Tree Survey

A total of 358 trees were identified within the Site on August 15 and 16, 2023. In total, 23 species were identified during the survey, with the most common species being box elder (94 trees), tree of heaven (93 trees), and eastern cottonwood (55 trees). The survey identified 260 trees in excellent condition, 59 in good condition, 10 in fair condition, 19 in poor condition, and 10 dead. A total of nine trees were considered suitable for bat roosting habitat due to the presence of exfoliated bark or nesting holes (**Appendix J**).

4.3.3 Milkweed Abundance and Diversity

Several stands of milkweed, constituting greater than 50 stems per acre, were identified within the Site during the habitat investigation. Waypoints of the milkweed stands are presented on **Figure 8**.

4.3.4 Nuisance and Invasive Species

Two herbaceous invasive species were noted in significant amounts throughout the Site during the habitat investigation. Additionally, three invasive tree species were identified throughout the Site in dominant clusters and along the Genesee River. Approximately 40% of the Site contained invasive species (**Figure 9**).

Common Reed

Common reed was observed in three significant stands in the southern portion of the Site. All stands were located in an old field area near drainage ditches. Locations of common reed are identified on **Figure 9**.

Mugwort

Mugwort was observed dominating an old field area in the northeast corner of the Site. Significant stands of mugwort were mixed with piles of debris throughout the area. The location of mugwort is presented on **Figure 9**.

Invasive Trees and Vines

The invasive tree species tree of heaven and Norway maple were identified throughout the Site. Additionally, the invasive trees were often accompanied by the invasive vine oriental bittersweet. Invasive trees and vines dominated the B+L property, the banks of the Genesee River, and the urban forest areas.

5.0 DISCUSSION

5.1 Jurisdiction

Based on the evaluations conducted to determine the extent of potential impact on existing wetlands, streams, or other water bodies in the Site, the Genessee River is the only identified feature in the Site that is jurisdictional. A discussion of the jurisdiction of the Genessee River and associated features is provided in the following subsections.

5.1.1 Federal Jurisdiction

Section 404 of the Clean Water Act (Section 404) establishes a program to regulate the discharge of dredged or fill material into Waters of the United States (WOTUS), including wetlands. Activities under this program include fill for development, water resource projects (such as dams and levees), infrastructure development, and mining projects. Section 404 requires a permit before dredged or fill material may be discharged into WOTUS, unless the activity is exempt from Section 404 regulation (e.g., certain farming and forestry activities).

Although the Genesee River has several nearby waterfalls, the Genesee's large size likely categorizes it as a Traditional Navigable Water (TNW). No wetlands were identified in the Site.

Since the Genesee River is a WOTUS (i.e., TNW), and work is proposed below the OHWM (the average elevation across field-delineated OHWM flags was 396 U.S. survey feet North American Vertical Datum of 1988), the USACE has jurisdiction to regulate the proposed project activities under Section 404.

Section 10 of the Rivers and Harbors Appropriation Act of 1899 (Section 10) prohibits the obstruction, excavating or filling, or in any manner altering or modifying the course, location, condition, or capacity of any navigable WOTUS. Although not all recognized waters are navigable throughout their entire length, the entire length of these waters are still regulated by Section 10. The Buffalo District of USACE considers the Genesee River to be navigable from its mouth at Lake Ontario to Black Creek, approximately 120 miles upstream of the mouth (USACE 1999). Therefore, the USACE has jurisdiction to regulate the proposed project under Section 10.

5.1.2 State Jurisdiction

The Freshwater Wetlands Act, Article 24 of the Environmental Conservation Law (ECL) of the New York Consolidated Laws, regulates the use and development of freshwater wetlands (FWWs) located in the State of New York. Use and development activities are subject to regulation within FWWs and within the 100-foot adjacent area of FWWs (ECL § 24-0701). The Freshwater Wetlands Act defines FWWs as lands and waters of the state as shown on the FWWs map (as promulgated by the NYSDEC) and, among others, as lands containing aquatic or semi-aquatic vegetation (i.e., hydrophytic vegetation) or submerged lands containing remnants of dead not aquatic or semi-aquatic vegetation (ECL § 24-0107).

No portions of the Site are located within mapped areas of FWWs, or their 100-foot adjacent areas (**Figure 5**), and no FWWs were identified in the Site at the time of the field investigation.

Title 5 of Article 15 of the ECL of the New York Consolidated Laws regulates activities that may adversely affect water resources of the State of New York (ECL § 15-0105). Waters include "lakes, bays, sounds, ponds, impounding reservoirs, springs, wells, rivers, streams, creeks, estuaries, marshes, inlets, canals, the Atlantic Ocean within the territorial limits of the state of New York, and all other bodies of surface or underground water,

natural or artificial, inland or coastal, fresh or salt, public or private…" (ECL § 15-0107). Among others, the NYSDEC under the Protection of Waters Program regulates:

- The disturbance of the bed or banks of a protected stream or other watercourse, as identified by a classification of AA, A or B, or with a classification of C with a standard of (T) or (TS) (NYSDEC 2022c).
- The excavation or placement of fill in navigable waters of the state (lakes, rivers and other waterways and water bodies on which water vessels with a capacity of one or more persons are operated or can be operated) and their adjacent and contiguous marshes and wetlands (NYSDEC 2022c).
- The issuance of a water quality certification for placing fill or undertaking activities resulting in a discharge to WOTUS, most commonly required when a project also requires a permit from the USACE under Section 404 for the placement of fill in WOTUS (NYSDEC 2022c).

Activities that disturb the bed or banks of the Genesee River are regulated under the Protection of Waters Program since the Genesee River is a navigable water of the state and is a classification B watercourse. Because the Site is being remediated under the New York State Superfund Program, formal Protection of Waters authorization is not required to complete the work; however, the substantive requirements of the Protection of Waters Program must still be met.

5.2 Habitat and Endangered, Threatened, and Rare Species Assessment

One federally-listed species (Northern Long-eared Bat), one state listed species (Peregrine Falcon), and one federal candidate species (Monarch Butterfly) were identified in the USFWS IPaC Trust Resource Report and/or the NYNHP report as having the potential to utilize habitat in or near the Site. Additionally, the USFWS IPaC Trust Resource Report identified 15 migratory bird species (Bald Eagle, Belted Kingfisher, Black-billed Cuckoo, Bobolink, Canada Warbler, Cerulean Warbler, Chimney Swift, Evening Grosbeak, Golden Eagle, Golden-winged Warbler, Lesser Yellowlegs, Pectoral Sandpiper, Prairie Warbler, Red-headed Woodpecker, and Wood Thrush) with the potential for habitat use within the Site. Following a review of habitat preferences for each species, the Site was examined during the habitat assessment for potential nesting or foraging sites for each species.

The Site contains potential habitat for the Northern Long-eared Bat, Peregrine Falcon, Monarch Butterfly, and nine of the migratory bird species, however, of the identified species, only the Monarch Butterfly was observed during the habitat assessment. Additional migratory bird species and all wildlife observations are described in **Appendix I**.

5.2.1 Northern Long-eared Bat

The USFWS IPaC Trust Resource Report suggests that the Site has the potential to be inhabited by the Northern Long-eared Bat. On November 29, 2022, the USFWS issued a final rule to reclassify the Northern Long-eared Bat as endangered under the Endangered Species Act (ESA); the rule took effect on March 31, 2023. Breeding occurs during late summer/early autumn utilizing large trees with cavities or loose bark for roosting (USFWS 2023b). This species undergoes delayed fertilization, and females do not give birth until the following summer, from May to July, in small colonies within forested habitat (USFWS 2023b). Northern Long-eared Bats feed after dusk on insects, utilizing forest understory as foraging habitat (USFWS 2023b). The Northern Long-eared Bat hibernates in caves during the winter and summer habitat includes forested areas (USFWS 2023b). There is no critical habitat listed in the Site for the Northern Long-eared Bat (**Appendix B**).

A total of nine trees present at the Site were noted as having suitable features for roosting. Therefore, utilization of the Site for roosting by Northern Long-eared Bats is possible, however no direct evidence of bat utilization was noted.

5.2.2 Monarch Butterfly

The USFWS IPaC Trust Resource Report suggests that the Site has the potential to be inhabited by the Monarch Butterfly. The Monarch Butterfly is a candidate species for listing under the ESA. Monarch Butterfly habitat includes meadows and other cleared areas, and the species depends on milkweed species as an obligate host during the Monarch's year-round breeding season (USFWS 2023c). Suitable Monarch Butterfly habitat is typically characterized by open meadows and fields and must contain significant stands of milkweed. Multiple stands of milkweed were observed during the assessment, making it likely for Monarchs to be utilizing the Site. Two Monarch Butterfly individuals were visually observed during the habitat assessment.

5.2.3 Migratory Birds

Bald Eagle

The Bald Eagle is federally delisted due to recovery; however, it is federally protected by the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act (USFWS 2023d; USFWS 2023e). In New York, the Bald Eagle is listed as threatened, however it is not considered a Bird of Conservation Concern (NYSDEC 2023c). Bald Eagles breed between September 1 and August 31 and breed and winter in forested areas near large bodies of water utilizing large, super-canopy roost trees (USFWS 2023f). Bald Eagles typically are found in undisturbed areas near large lakes and reservoirs, marshes, and swamps, or along rivers (NYSDEC 2023c). Food habits of Bald Eagles are highly varied and are based on prey species availability (Audubon 2024).

The Site is located along the Genesee River however it is lacking appropriate roost trees for Bald Eagles, so it is unlikely that the Site supports potential breeding or nesting sites for Bald Eagles.

Belted Kingfisher

The Belted Kingfisher is not listed federally or in New York State, however it is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in Bird Conservation Regions in the continental United States (USFWS 2024d; USFWS 2021). No critical habitat is listed for Belted Kingfishers at the Site. Belted Kingfishers breed between March 15 and July 25, utilizing long horizontal tunnels dug in sandy soil for nesting (Audubon 2024). Food habits of Belted Kingfishers consist of mainly small fish and some crayfish, frogs, and aquatic insects (Audubon 2024).

Belted Kingfishers are typically found near streams, lakes, bays, and coasts, and in the winter or during migration can utilize most waterside habitat (Audubon 2024). The Site is located near the Genesee River, making habitat use by Belted Kingfishers possible, but more likely to occur in the winter.

Black-billed Cuckoo

The Black-billed Cuckoo is not listed federally or in New York State but is considered a Species of Greatest Conservation Need in New York (NYSDEC 2015). The Black-billed Cuckoo is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States and Alaska (USFWS 2021). No critical habitat is listed for Black-billed Cuckoos in the Site. Black-billed Cuckoos breed between May 15 and October 10, utilizing concealed nesting trees. Food habits of Black-billed Cuckoos include large insects seasonally and fruit and seeds during the winter (USFWS 2023g).

Black-billed Cuckoos are typically found near marshes, rivers, or young deciduous/coniferous woods (USFWS 2023g). The Site is located along the Genesee River, making Black-billed Cuckoos utilization of the Site possible.

Bobolink

The Bobolink is not listed federally or in New York State, however, the Bobolink is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States and Alaska (USFWS 2021). They can be found throughout northern United States and migrate to southeastern United States and South America (USFWS 2023a). No critical habitat is listed for the Bobolink at the Site. Bobolinks breed between May 20 and July 31 utilizing open grasslands (NYSDEC 2023d). Food habits of Bobolinks include insects, seeds, and grains.

Bobolinks are typically found in open grasslands or former hayfields with only medium-tall grasses or small shrubs. The Site does contain old-field areas, so there is potential for Bobolinks to utilize the Site.

Canada Warbler

The Canada Warbler is not listed federally but is considered a Species of Greatest Conservation Need in New York (NYSDEC 2015). The Canada Warbler is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States and Alaska (USFWS 2021). Canada Warblers can be found in northeastern United States and into Canada and migrate into northern South America (USFWS 2021). No critical habitat is listed for the Canada Warbler in the Site. Canada Warblers breed between May 20 and August 10 utilizing dense shrubs, and food habits of Canada Warblers include insects and spiders, and occasionally fruits.

Canada Warblers are typically found in moist, mixed deciduous-coniferous forests with dense shrub understories (NYSDEC 2014). Because the Site does not contain an area of well-developed shrub understory, it is unlikely for Canada Warblers to utilize the Site.

Cerulean Warbler

The Cerulean Warbler is not listed federally but is a Species of Special Concern in New York (NYSDEC 2015). The Cerulean Warbler is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern wherever found (USFWS 2021). No critical habitat is listed for the Cerulean Warbler at the Site. Cerulean Warblers are present in southern New York during their breeding season, between April 27 and July 20. Two principal breeding areas for the Cerulean Warbler remain in New York: the Finger Lakes highlands and the lowland plain south of Lake Ontario (NYSDEC 2023e). They utilize mature hardwoods either in uplands or along streams to breed. They forage in high trees, and feed on insects.

Cerulean Warblers are typically found in large deciduous forest tracts, particularly in river valleys (Audubon 2024). The Site contain areas of deciduous trees along the Genesee River, however these tracts are not large, so it is unlikely that Cerulean Warblers inhabit the Site.

Chimney Swift

The Chimney Swift is not listed federally or in New York State. The Chimney Swift is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States and Alaska (USFWS 2021). No critical habitat is listed for Chimney Swift at the Site. Chimney Swifts breed between March 15 and August 10, utilizing chimneys and other structures for nesting. Food habits of Chimney Swifts include a variety of insects and spiders (Audubon 2024).

Chimney Swifts are typically found in open skies over cities or towns (Audubon 2024). The Site is located near a suburban area, however there are no adequate structures for nesting in the Site, making Chimney Swift nesting within the Site possible but unlikely.

Evening Grosbeak

The Evening Grosbeak is not listed federally or in New York State. The Evening Grosbeak is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States and Alaska (USFWS 2021). No critical habitat is listed for Evening Grosbeak in the Site. Evening Grosbeaks breed between March 15 and August 25, utilizing horizontal branches or vertical forks in trees anywhere from 10 to 100 feet above ground. Food habits of Evening Grosbeaks include mostly seeds and some berries, insects, and tree buds (Audubon 2024).

Evening Grosbeaks are typically found in conifer forests or mixed forests, and in the winter or during migration found in deciduous groves and semi-open areas (Audubon 2024). The Site does deciduous trees and open area, making utilization of the Site by Evening Grosbeaks possible in the winter, if at all.

Golden Eagle

The Golden Eagle is not listed federally but is listed as endangered in New York State and is federally protected by the Bald and Golden Eagle Protection Act (USFWS 2023e). Golden Eagles are not known to breed in New York, however there is a potential for habitat use in winter (Audubon 2024). Golden Eagles typically utilize cliff ledges and large trees for nesting (Audubon 2024). Food habits of Golden Eagles include small mammals, gamebirds, snakes, and occasionally carrion (Audubon 2024).

Golden Eagles are typically found in open terrain such as open mountains, foothills, and plains (Audubon 2024). The Site does contain open areas, however there is a lack of sufficient nesting trees, making habitat use unlikely.

Golden-winged Warbler

The Golden-winged Warbler is not listed federally but is considered a Species of Special Concern in New York (NYSDEC 2015). The Golden-winged Warbler is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States (USFWS 2021). Golden-winged Warblers can be found in eastern United States and into Canada. No critical habitat is listed for the Golden-winged Warbler in the Site. Golden-winged Warblers breed between May 1 and July 20 utilizing early successional fields with a combination of shrubby and open areas. Food habits of Golden-winged Warblers consist of mainly insects.

Golden-winged Warblers are typically found in early succession abandoned farmlands and scrub/shrub wetlands (NYSDEC 2023f). The Site does contain a mixture of open areas however it does not contain the necessary shrub cover, making breeding and nesting of Golden-winged Warblers unlikely.

Lesser Yellowlegs

The Lesser Yellowlegs is not listed federally or in New York State, however it is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States (USFWS 2023h; USFWS 2021). No critical habitat is listed for the Lesser Yellowlegs at the Site (**Appendix B**). Lesser Yellowlegs spend winters on the eastern coast before moving north into Canada for the breeding season (Audubon 2024). Lesser Yellowlegs utilize dry, open areas for ground nesting and the food habits of Lesser Yellowlegs consist of insects, small fish, and crustaceans (Audubon 2024).

Lesser Yellowlegs are typically found in marshes and ponds, or in the summer found in open boreal woods (Audubon 2024). The Site is not the species primary breeding habitat; however, it does border the Genesee River and contains a dry, open area, providing potential but unlikely winter nesting habitat.

Pectoral Sandpiper

The Pectoral Sandpiper is not listed federally or in New York State, however it is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States (USFWS 2023a; USFWS 2021). No critical habitat is listed for the Pectoral Sandpiper at the Site. Pectoral Sandpipers breed in

northern Canada and Alaska but may utilize habitats in New York during migration (Audubon 2024). Pectoral Sandpipers utilize ground nests hidden in grass and the food habits of Pectoral Sandpipers consists of mainly insects and occasionally amphipods and seeds (Audubon 2024).

During migration, Pectoral Sandpipers are typically found in prairie pools, muddy shores, or near marshes, favoring grassy places along shores or occasionally dry prairies (Audubon 2024). The Site does not contain the muddy or grassy shores, marshes, or pools typically utilized, making usage by Pectoral Sandpipers during migration unlikely.

Peregrine Falcon

The Peregrine Falcon is not listed federally but is listed as endangered in New York State (NYSDEC 2015). The Peregrine Falcon is federally protected under the Migratory Bird Treaty Act (USFWS 2023d). Peregrine Falcons can be found in western United States and northern Canada during breeding, but can be found throughout the United States and Canada during migration (Audubon 2024). No critical habitat is listed for the Peregrine Falcon at the Site. Peregrine Falcons utilize cliff edges and hilltops for nesting and occasionally use ledges of buildings or bridges (Audubon 2024). Food habits of Peregrine Falcons consist mostly of birds and occasionally small mammals (Audubon 2024).

Peregrine Falcons are typically found in open country near cliffs, and sometimes in cities depending on prey availability (Audubon 2024). The Site is not in the typical range for Peregrine Falcons, however it is in a suburban area with bridges adjacent to the Site, making utilization of the Site possible during migration.

Prairie Warbler

The Prairie Warbler is not listed federally or in New York State but is considered a Species of Special Concern in New York (NYSDEC 2015). The Prairie Warbler is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States and Alaska (USFWS 2023a; USFWS 2021). Prairie Warblers can be found in eastern and south-central United States. No critical habitat is listed for the Prairie Warbler at the Site. Prairie Warblers breed from May 1 to July 31 utilizing shrub/scrub areas and food habits of Prairie Warblers consist of mainly insects (Audubon 2024).

Prairie Warblers are typically found in dry upland early successional forests, overgrown fields, and upland shrub habitats (Audubon 2024). The Site does contain overgrown areas of herbaceous vegetation, making breeding and nesting possible.

Red-headed Woodpecker

The Red-headed Woodpecker is not listed federally but is considered a Species of Special Concern in New York (NYSDEC 2015). The Red-headed Woodpecker is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States and Alaska (USFWS 2023a; USFWS 2021). Red-headed Woodpeckers can be found from central to eastern United States (Audubon 2024). No critical habitat is listed for the Red-headed Woodpecker in the Site. Red-headed Woodpeckers breed from May 10 to September 10 utilizing roosting cavities in dead trees from slightly above ground to 65 feet or taller (Audubon 2024). Food habits of Red-headed Woodpeckers consist of a wide variety of insects, nuts, seeds, berries, and sometimes small rodents or the eggs of other birds (Audubon 2024).

Red-headed Woodpeckers are typically found in groves, open country, and forest edges (Audubon 2024). The Site does contain areas of trees which could be utilized by Red-headed Woodpeckers, making habitat use possible.

Wood Thrush

The Wood Thrush is not listed federally or in New York State but is considered a Species of Greatest Conservation Need in New York State (NYSDEC 2015). The Wood Thrush is federally protected under the Migratory Bird Treaty Act and is a Bird of Conservation Concern in the continental United States and Alaska and can be found from central to eastern United States (USFWS 2023a; USFWS 2021; Audubon 2024). No critical habitat is listed for the Wood Thrush in the Site. Wood Thrushes breed from May 10 to August 31 utilizing woody understories and food habits of Wood Thrushes consist of insects and berries (Audubon 2024).

Wood Thrushes are typically found in damp deciduous woodlands with sub-canopy shrub layers, occasionally nesting in suburban areas with large trees (Audubon 2024). The Site does not contain damp, deciduous woodlands. Although unlikely, due to the presence of occasional large trees and old fields, it is possible that Wood Thrushes utilize the Site.

5.2.4 Imperiled Freshwater Mussels

Although there is mussel occurrence information upstream and downstream of the project Site, little is known about mussel occurrence in this section of the Genesee River. Thirteen species of mussels considered imperiled in New York (**Table 3**) (mussel species ranked as S1[2] or S2[3] by the NYNHP) are known to inhabit the Genesee River basin, although many occur in habitats that are not present in the Genesee River gorge.

To ensure that populations of imperiled mussel species are not impacted or harmed by the proposed work, a mussel survey will be conducted in accordance with the *New York State Freshwater Mussel Survey Guidelines for Waterbody Disturbance Projects* (NYSDEC 2022b) to determine if any imperiled mussel species are present at the Site. As part of the 90 percent Remedial Design, and once in-water limits of disturbance have been established, a mussel survey plan will be developed and submitted to NYSDEC, Region 8 for review/approval for issuance of a License to Collect and Possess for Freshwater Mussels. If the survey identifies the presence of imperiled mussel species, a relocation site survey will be conducted, and a relocation plan developed. The relocation effort would be conducted to move imperiled mussel species to a safe location before in-water work is started.

Table 3 Summary of Imperiled Freshwater Mussel Species Known to Inhabit the Genesee River Basin.

Species		Listing			Habitat
Common Name	Scientific Name	State	State	Federal	
Green Floater	*Lasmigona subviridis*	S1S2	THR	-	Inhabits small to medium size streams and rivers. Found in a variety of different flowing-water systems but is more likely to be found where there are stable, fine substrate particles including gravel, sand, and silt. It is intolerant of strong currents and often is found in slow runs and eddies with gravel and sand substrate, often near stream margins.
Fragile Papershell	*Leptodea fragilis*	S2S3	-	-	Inhabits large streams, rivers, and lakes and uses a wide range of substrates from sandy mud to cobble.

[2] Critically imperiled in the state because of extreme rarity (often five or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the state.

[3] Imperiled in the state because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the state.

Species		Listing			Habitat
Common Name	Scientific Name	State	State	Federal	
Deertoe	*Truncilla truncata*	S1	-	-	Prefers habitats within rivers with moderately swift current and firm mud, sand, and gravel; occasionally found in small streams.
Lilliput	*Toxolasma parvum*	S1	-	-	Found in backwater areas of lower reaches of rivers, lakes, ponds and slower moving areas of streams and medium rivers. Typically found in sandy and muddy substrates or fine gravel.
Paper Pondshell	*Utterbackia imbecillis*	S1	-	-	Usually found in ponds, lakes, or mud-bottomed pools and backwater areas of creeks and rivers.
Threeridge	*Amblema plicata*	S1	-	-	Found in small to large rivers with a wide variety of substrates including mud, sand, and gravel.
Wabash Pigtoe	*Fusconaia flava*	S2	-	-	Prefers creeks, streams, and rivers with moderate current up to depths of 15 feet. Prefers stable, firm bottoms consisting of mud, coarse sand, and gravel but tolerates a variety of substrates.
Black Sandshell	*Ligumia recta*	S2	-	-	Found in large streams, rivers, and lakes. In rivers and streams, usually in fast current areas including riffles and raceways. Preferred substrates include sandy mud, firm mud, coarse sand and gravel, and cobble.
Eastern Pondmussel	*Ligumia nasuta*	S2	-	-	Usually found in protected areas of lakes and ponds, in slackwater areas of rivers, slow moving streams, and in canals over a wide range of substrates but seems to prefer fine sand and mud. Usually found in depths ranging from one to15 feet.
Pink Heelsplitter	*Potamilus alatus*	S2	-	-	Inhabits medium to large rivers and lakes and is often found in mud, sand, and gravel substrates.
Plain Pocketbook	*Lampsilis cardium*	S2S3	-	-	Found in flowing waters with moderate to strong current, and stable substrates of mud, silt, sand, or gravel.
Rainbow	*Villosa iris*	S2S3	-	-	May occur in a broad range of habitats with substrates ranging from gravel to soft silt or clay in areas of low to strong current velocity. Is sometimes found along the edges of emergent vegetation beds
Yellow Lampmussel	*Lampsilis cardium*	S2S3	-	-	Occurs in small to large rivers, especially in or near riffles. Uses clean, firm substrates of gravel, fine gravel, and sand, often in combination with cobble

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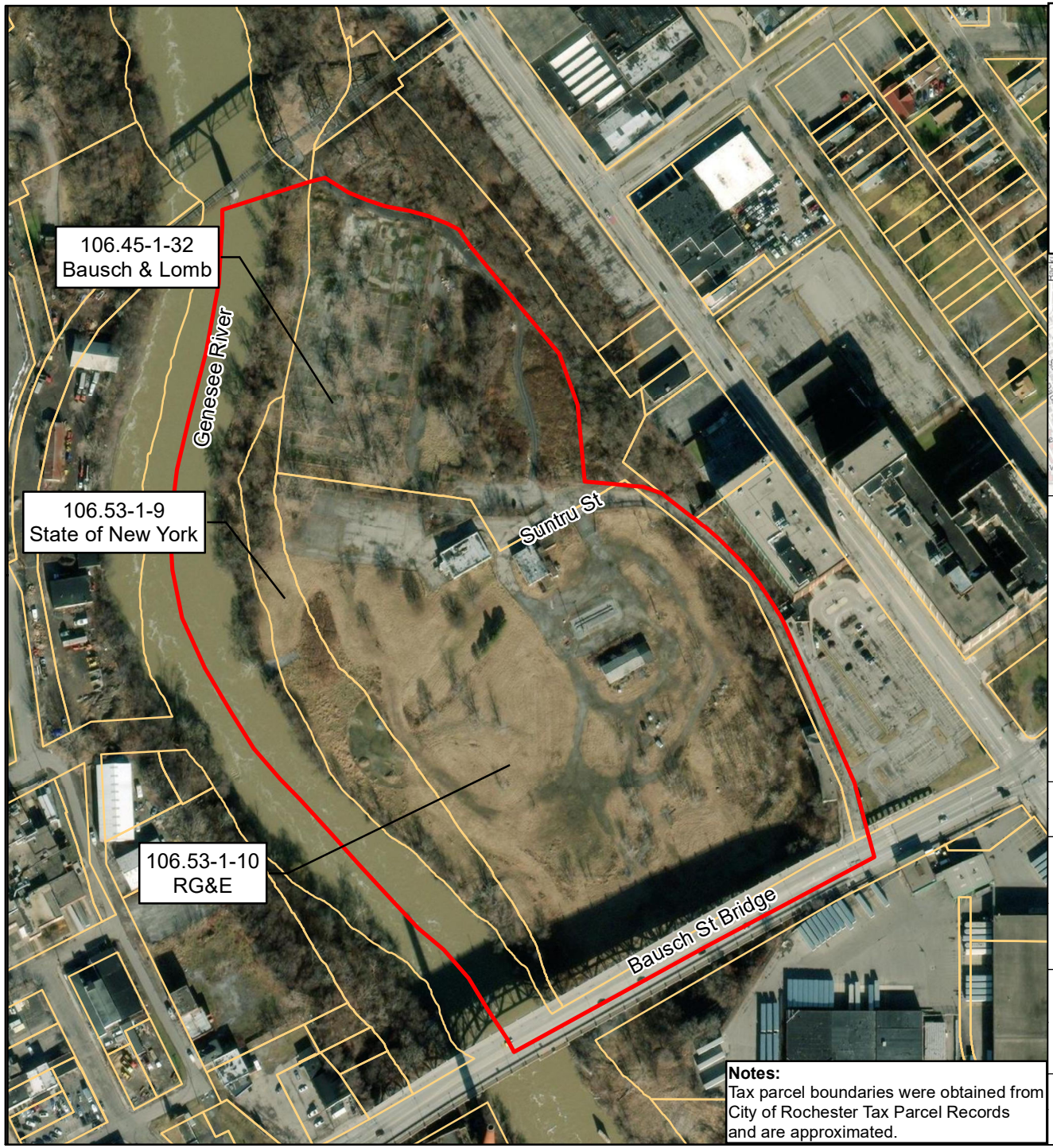
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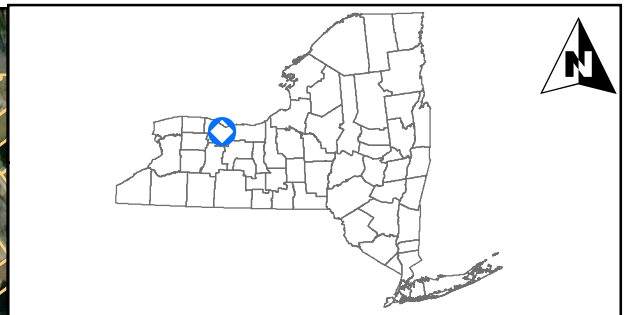
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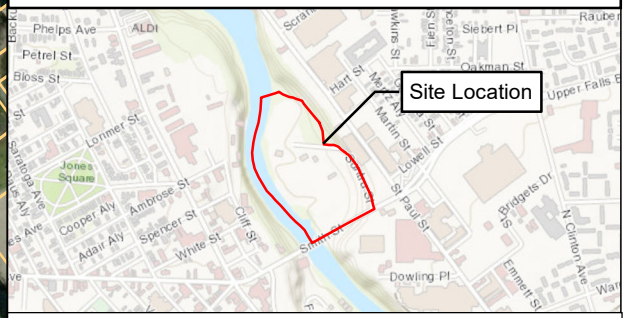
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FIGURES







Project Boundary

Tax Parcel Boundaries

Latitude: 43° 10' 3.3"N
Longitude: 77° 37' 13.6"W

0 150 300 600

Feet

Figure 1

RG&E

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

Project Area Location

Notes:
Tax parcel boundaries were obtained from City of Rochester Tax Parcel Records and are approximated.

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 315-451-9560

Plotted By: Ferguson, Madeleine

Plot Date: 1/18/2024

Document Path: \\nysyr04fs01\Projects\Iberdrola_Avangrid\453121 East Station\8.0 Reports\8.3 Wetland Delineation, Vegetation Survey, and Habitat Assessment\Technical Categories\MXD\RGE_East_Station_Figure_1_Site_Location.mxd

EAST ROCHESTER
NY
7.5-MINUTE

77°37'30" 287000m E 88 89 290 77°35' 91 92 93 77°32'30" 94 95 96 97 77°30'
43°15' 4791000m N 90 89 88 87 86 85 84 83 43°12'30" 82 81 4780 79 43°7'30"
91 4790 97 89 88 43°12'30" 87 86 85 84 83 43°10' 82 81 4780 79 4778000m N 43°7'30"
77°37'30" 87 78 88 89 290 77°35' 91 92 93 77°32'30" 94 95 296000m E 77°30'

Rock Beach
Forest Lawn
Lake Ontario
Oklahoma Beach
Rattlesnake Point
Durand Lake
Sea Breeze
German Village
Stony Point
Point Pleasant
Ides Cove
Genesee River
IRONDEQUOIT
Birds and Worms
Big Massaug Cove
Inspiration Point
Helds Cove
Irondequoit Bay
Newport
Glen Edith
Point Lookout
West Webster
Bay View
Hobbie Creek
Rochester General Hospital School of Medical Technology
Glen Haven
Dersmore Creek
Snider Island
ROCHESTER
Irondequoit Creek
Monroe County Hall of Justice
Talmudical Institute of Upstate New York
Cobbs Hill
Pinnacle Hill
Colgate Rochester Crozer Divinity School
Twelve Corners
Allen Creek

USGS The National Map: 3D Elevation Program. USGS Earth Resources Observation & Science (EROS) Center: GMTED2010. Data refreshed March, 2021., USGS The National Map: Orthoimagery. Data refreshed December, 2021.

Coordinate System: NAD 1983 UTM Zone 18N
Projection: Transverse Mercator
Datum: North American 1983

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Initial styling of this Map Document was provided by the US Geological Survey. The edited content in this document are neither done by nor endorsed by the USGS.

Topo Map Vector Data 38197 Rochester East NY.....USGS, 2023
Contours.....National Elevation Dataset, 2023

U.S. National Grid
100,000-m Square ID
TN
Grid Zone Designation
18T

SCALE 1:24,000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 500 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET
CONTOUR INTERVAL 50 FEET

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Project Boundary
East Rochester, NY
2024

NEW YORK
QUADRANGLE LOCATION

Braddock Heights	Rochester East OE N	Ninemile Point
Rochester West	Rochester East	Webster
West Henrietta	Pittsford	Fairport

ADJOINING QUADRANGLES

Figure 2

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

USGS Topographic Map

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 315-451-9560

Soil Map—Monroe County, New York

77° 37' 23" W

77° 37' 2" W

43° 10' 14" N



43° 9' 54" N

77° 37' 23" W

77° 37' 2" W

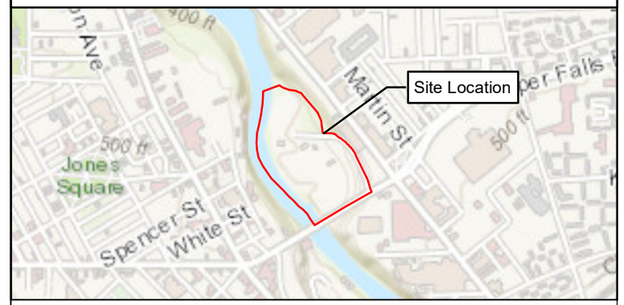
USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

1/18/2024

Note: Mapping information obtained from NRCS Web Soil Survey online mapping tool on 01/18/2024





Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines Soil

Map Unit Points

Map Scale: 1:3,060 if printed on A portrait (8.5" x 11") sheet.

Meters: 0 45 90 180 270

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84

Figure 3

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

USDA NRCS Soils Map

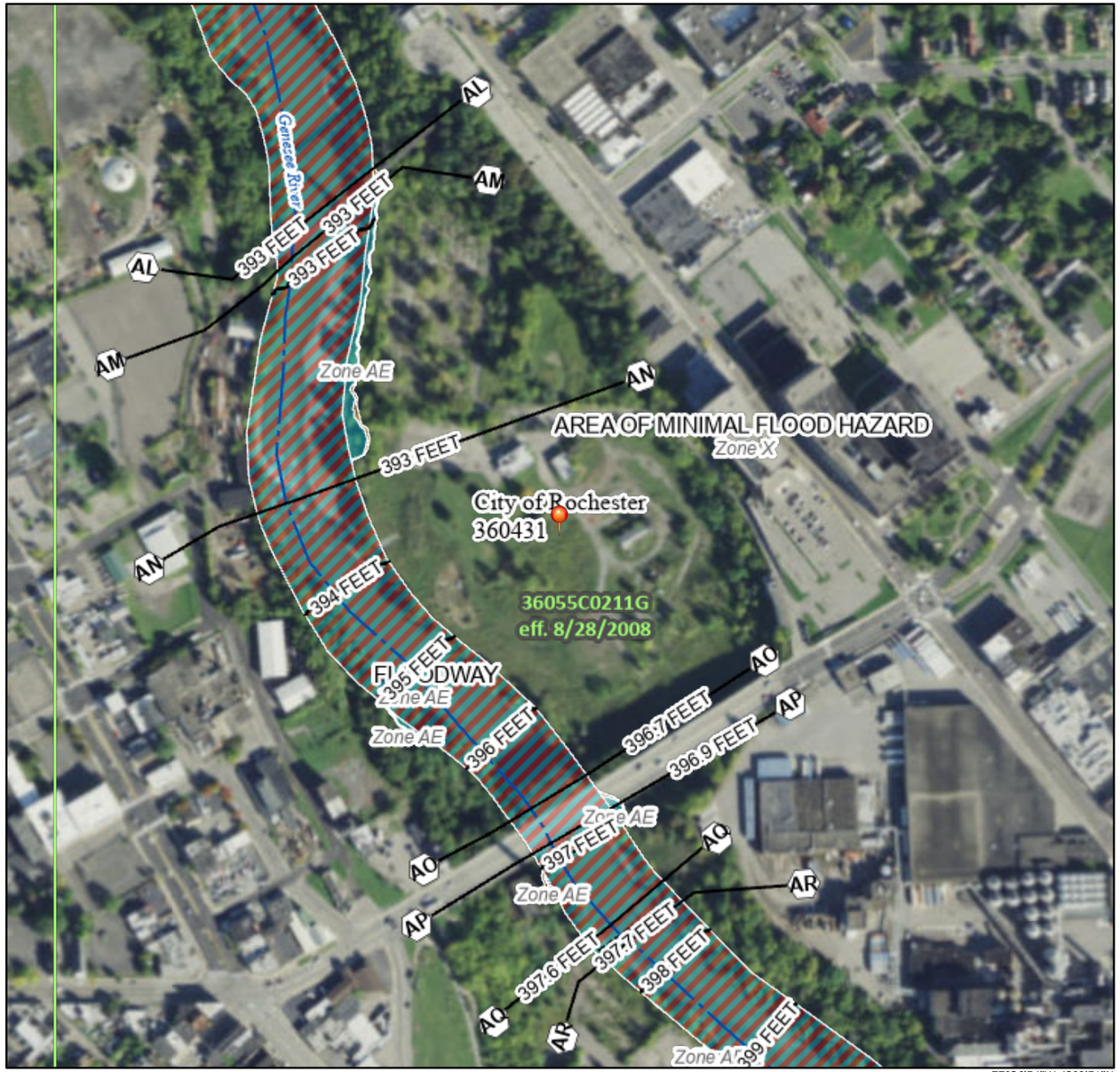
PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plot Date: 1/18/2024 Plotted By: Ferguson, Maddie

Document Path: \\nysyr04fs01\Projects\Iberdrola_Avangrid\453121 East Station\8.0 Reports\8.3 Wetland Delineation, Vegetation Survey, and Habitat Assessment\Technical Categories\MXD\RGE_East_Station_Figure_3_NRCS_Soils_Map.mxd

National Flood Hazard Layer FIRMette

77°37'32"W 43°10'17"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

77°36'54"W 43°9'51"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

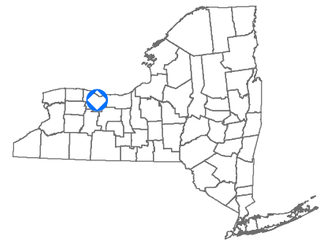
MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/9/2024 at 11:12 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



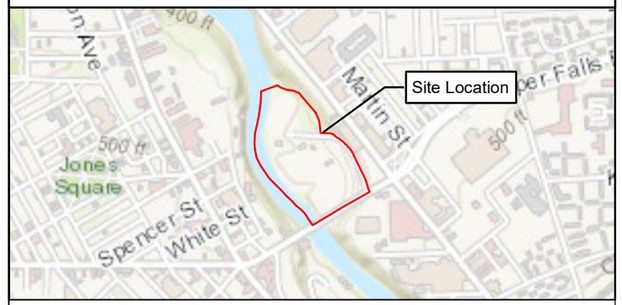


Figure 4

RG&E

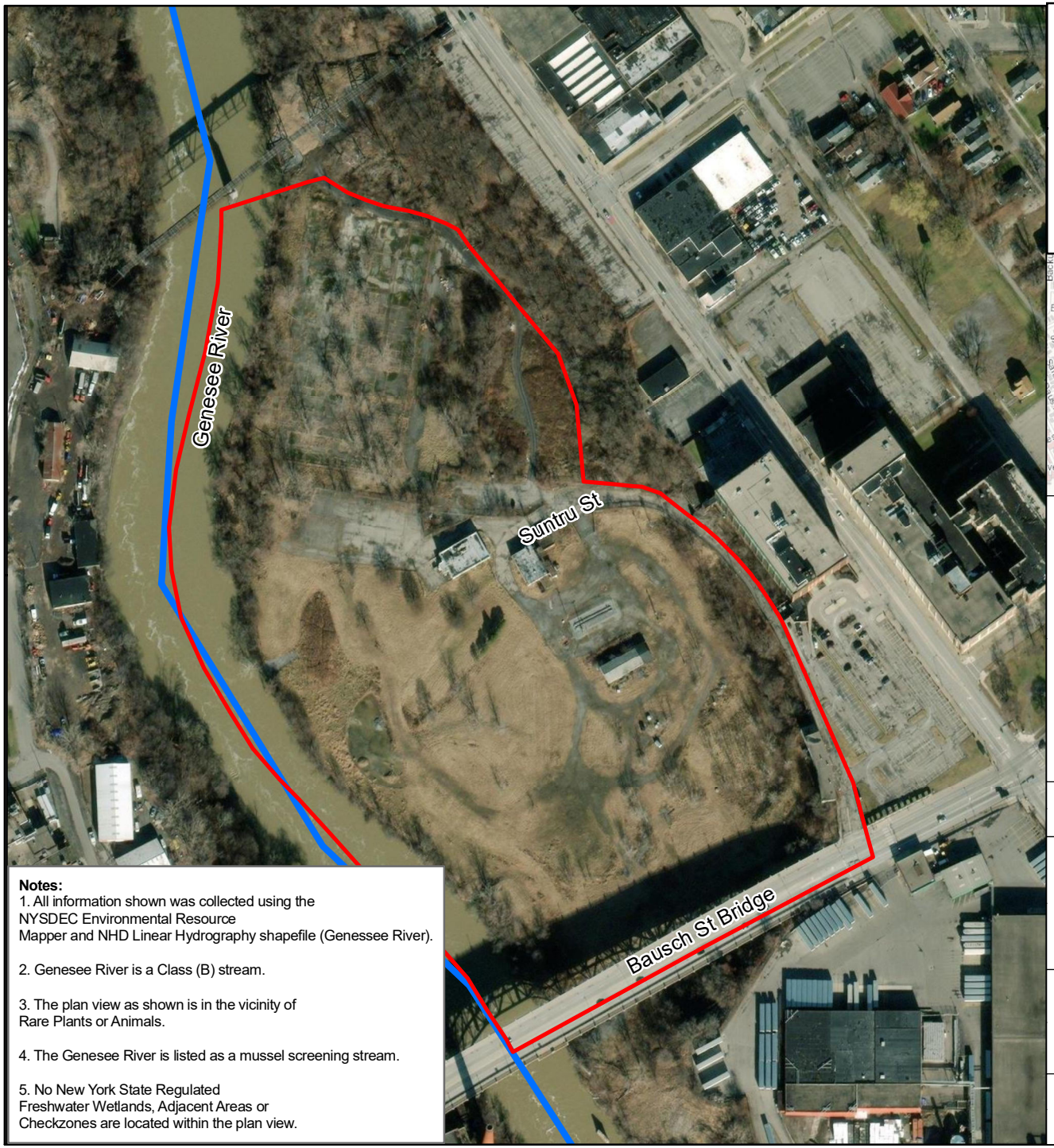
East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

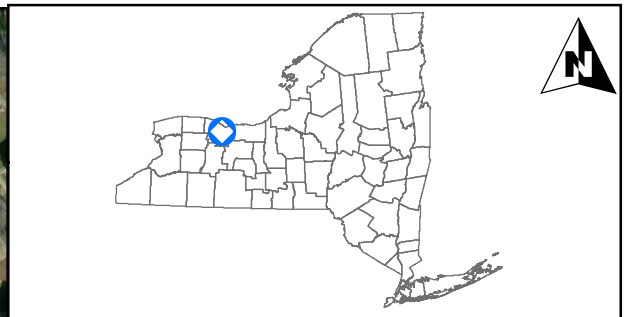
FEMA/FIRM Floodplain Map

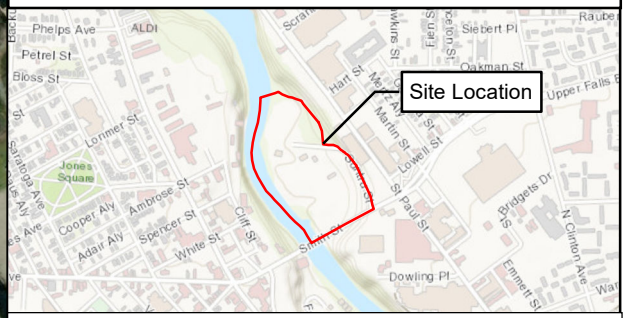
PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plot Date: 1/18/2024 Plotted By: Ferguson, Maddie

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Project Boundary

Water Feature

0 150 300 600

Feet

Figure 5

RG&E

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

NYSDEC Environmental Resources Map

Notes:
1. All information shown was collected using the NYSDEC Environmental Resource Mapper and NHD Linear Hydrography shapefile (Genessee River).

2. Genesee River is a Class (B) stream.

3. The plan view as shown is in the vicinity of Rare Plants or Animals.

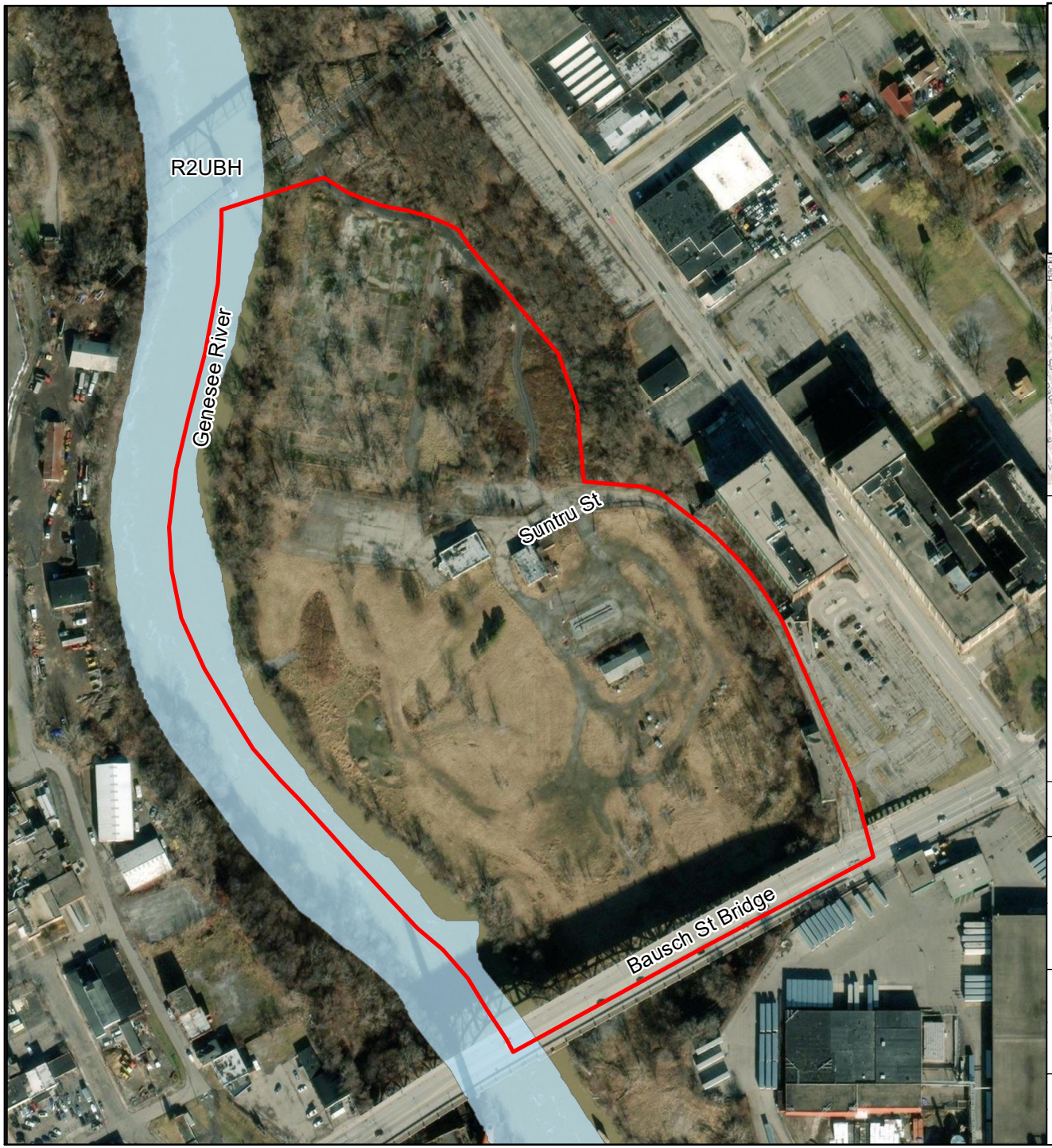
4. The Genesee River is listed as a mussel screening stream.

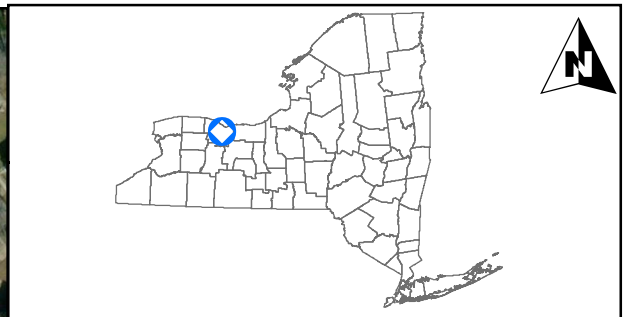
5. No New York State Regulated Freshwater Wetlands, Adjacent Areas or Checkzones are located within the plan view.

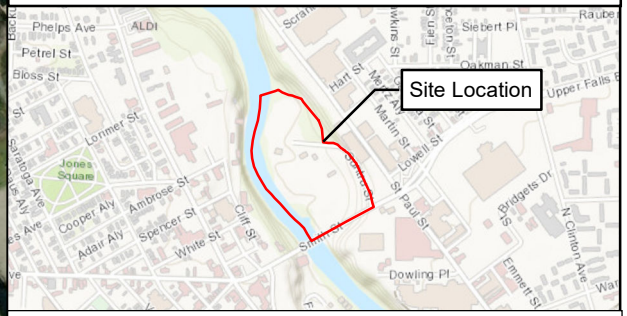
PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 315-451-9560

Plot Date: 1/16/2024 Plotted By: Ferguson, Madeleine

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Project Boundary

NWI Wetlands

Riverine

0 150 300 600

Feet

Figure 6

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

USFWS National Wetland Inventory Map

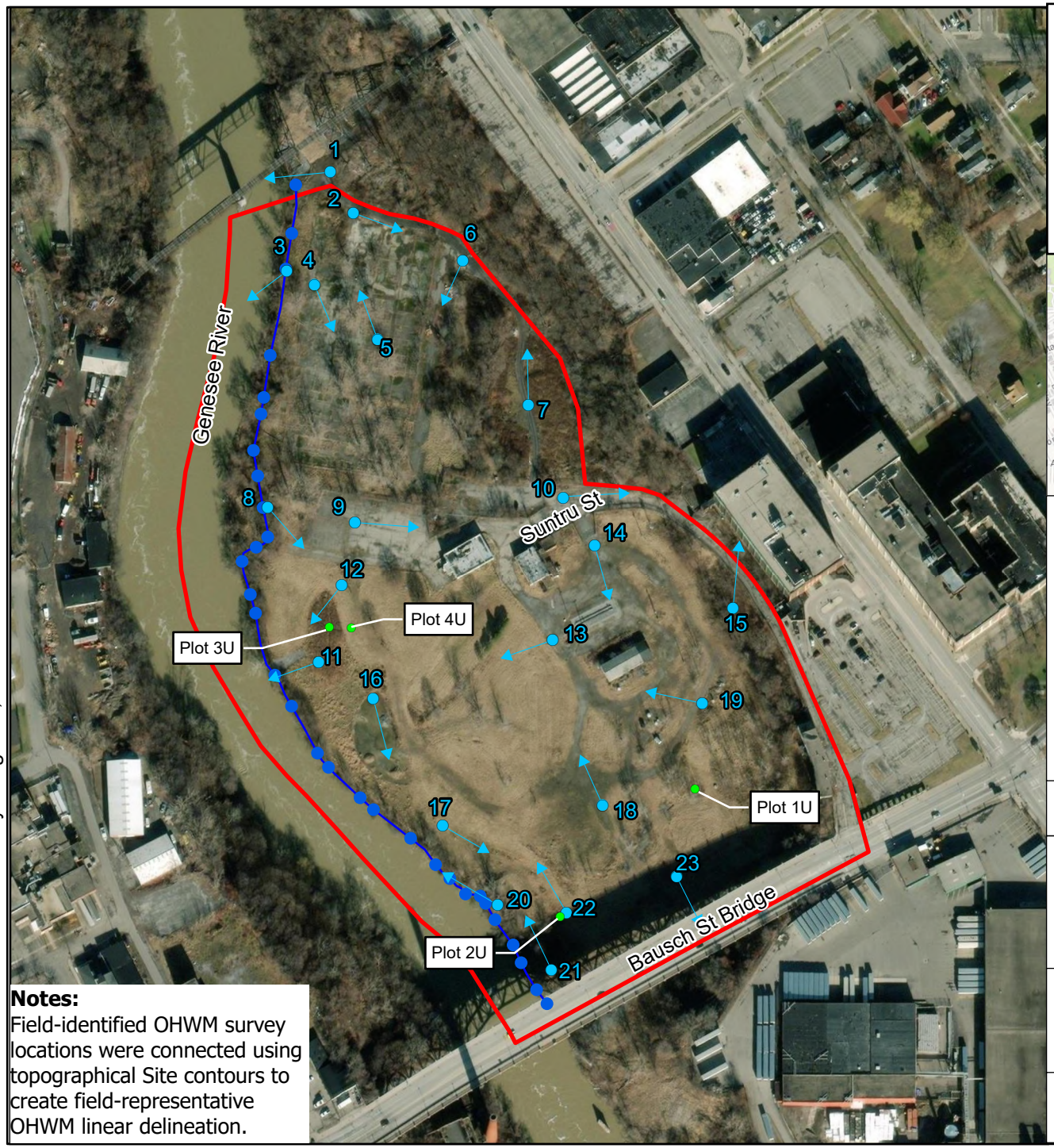
PARSONS

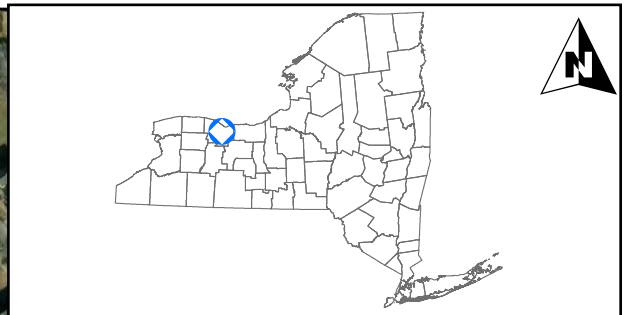
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 315-451-9560

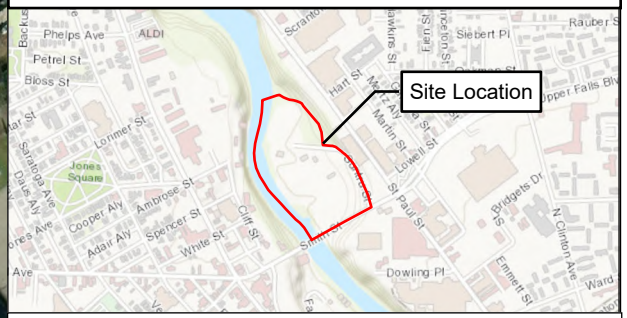
Plotted By: Ferguson, Madeleine

Plot Date: 1/19/2024

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Project Boundary
Photo Location
Photo Direction
Wetland Determination Plot
Ordinary High Water Mark Line
Ordinary High Water Mark Point

0 150 300 600
Feet

Notes:
Field-identified OHWM survey locations were connected using topographical Site contours to create field-representative OHWM linear delineation.

Figure 7

RG&E

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

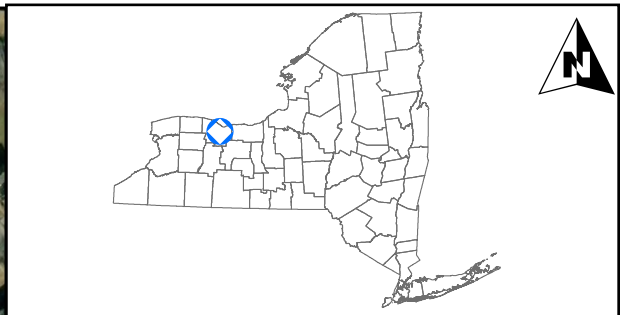
Wetland and Stream Delineation Map

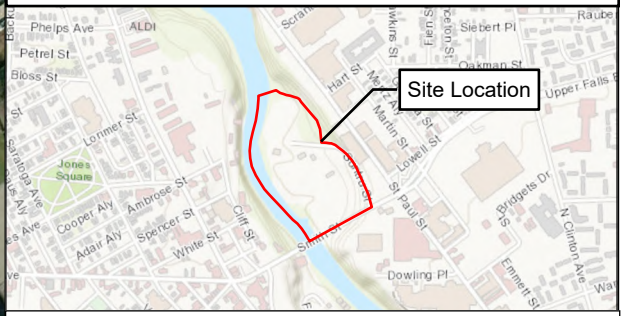
PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 315-451-9560

Plotted By: Ferguson, Madeleine
Plot Date: 9/10/2024

Document Path: \\nysyr04fs01\Projects\Iberdrola_Avangrid\453121 East Station\8.0 Reports\8.3 Wetland Delineation, Vegetation Survey, and Habitat Assessment\REV 1\Technical Categories\MXD\RGE_East_Station_Figure_7\RGE_East_Station_Figure_7.aprx







- Project Boundary
- Significant stand of milkweed *(Asclepias sp.)*
- Impervious Surface
- Old Field
- Forested Riparian
- Confined River
- Drainage Swale
- Urban Forest
- Municipal ROW (Below Bridge Infrastructure)

0 150 300 600 Feet

Figure 8

RG&E

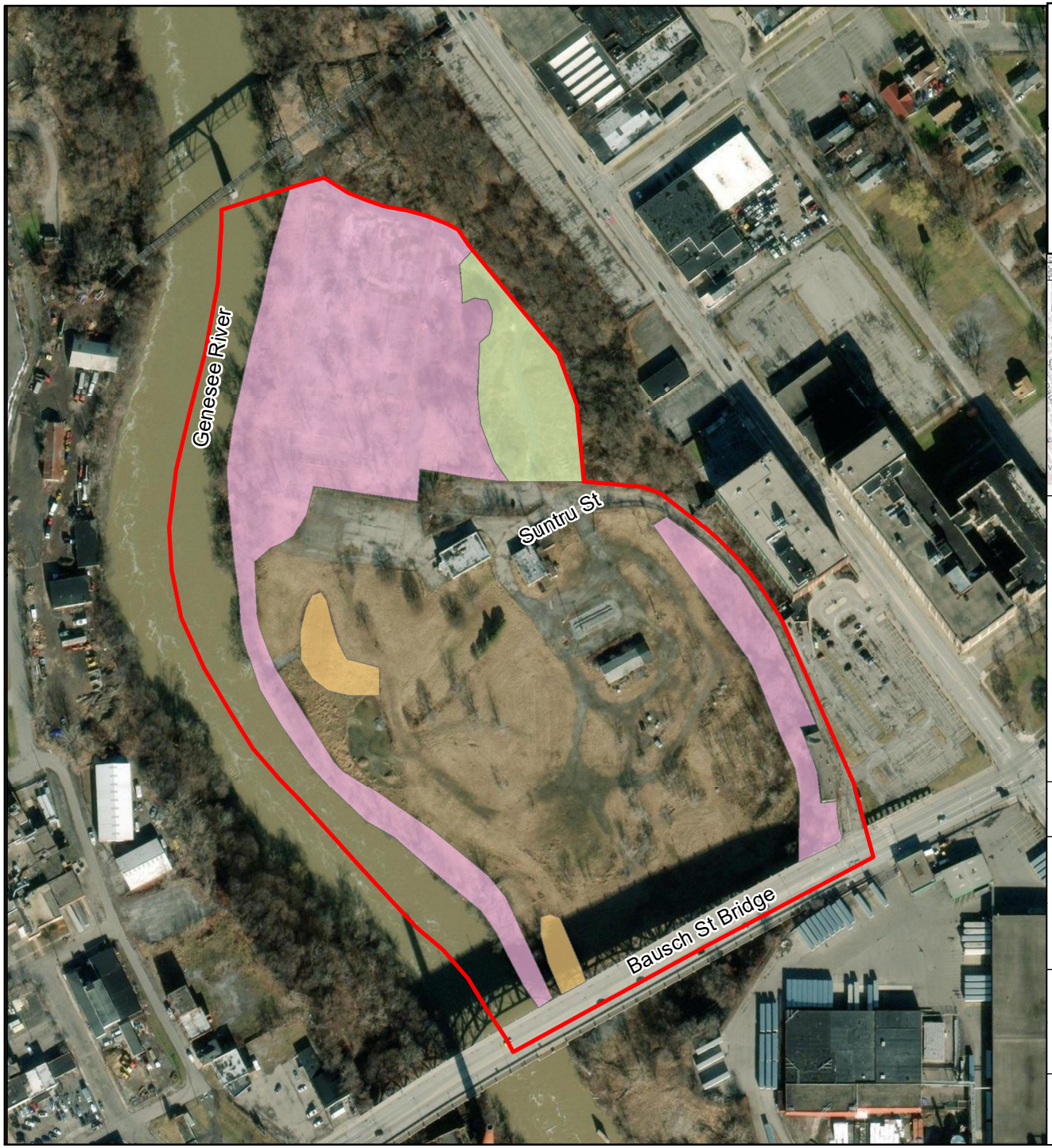
East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

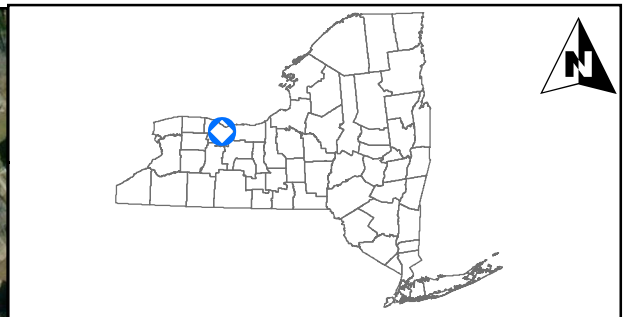
Ecological Communities Map

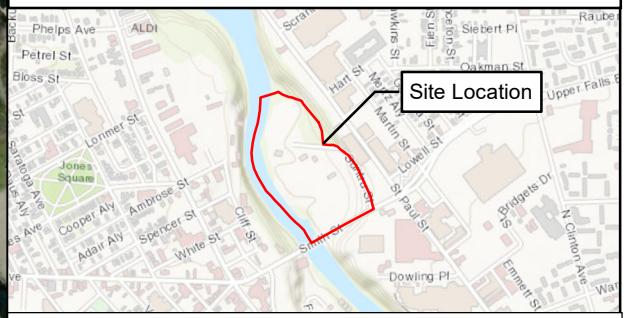
PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 315-451-9560

Plotted By: Ferguson, Madeleine
Plot Date: 9/10/2024

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Project Boundary
Common Reed *(Phragmites australis)*
Mugwort *(Artemisia vulgaris)*
Invasive Trees

0 150 300 600
Feet

Figure 9

RG&E

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

Nuisance and Invasive Species Map

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 315-451-9560

Plot Date: 1/19/2024 Plotted By: Ferguson, Madeleine

Document Path: \\nysyr04fs01\Projects\Iberdrola_Avangrid\453121 East Station\8.0 Reports\8.3 Wetland Delineation, Vegetation Survey, and Habitat Assessment\Technical Categories\MXD\RGE_East_Station_Figure_9_Nuisance_Invasive_Species.mxd

APPENDIX A STATEMENT OF QUALIFICATIONS (I.E., RESUMES)

KAREN A. FIELDS, PWS

PROJECT SCIENTIST

Karen Fields is experienced in conducting wetland assessments and delineations and ecological and human health risk assessments. Her experience includes natural resource management, including habitat restoration and regulatory compliance. Karen has been responsible for preparing wetland permit applications and mitigation plans; siting applications for major utilities; risk assessments for Resource Conservation and Recovery Act and Comprehensive Environmental Response, Compensation, and Liability Act sites; environmental site assessments; and media sampling. She is a registered professional wetland scientist who has worked throughout the United States for Fortune 500 companies and various US Government agencies and departments. Karen has also presented the results of her work at various technical conferences in the United States and Australia.

Work Experience

Quality Inspector. Confidential Multinational Conglomerate Corporation, Hudson River Environmental Remediation Project, New York, United States. 10/2007-12/2016.
Employer: Parsons

Parsons' scope of work included dredging more than 2 million cubic yards of sediment, on-river transportation of dredged sediments to a processing area, filter press processing of dredged materials and off-site disposal via a railcar, and mechanical cap placement. Karen served as lead inspector for habitat restoration work for Phase I of this project. Provided oversight for restoration of submerged aquatic vegetation in the Hudson River and shoreline and wetland restoration planting and seeding. Performed invasive species surveys and conducted monthly monitoring using underwater videography to determine survival of planted species. Prior to the implementation phase, reviewed and evaluated proposals from prospective contractors for habitat restoration work and assisted with developing habitat restoration plans for the river and associated wetlands and riparian habitats.

Biologist. New York State Department of Environmental Conservation, William Street Park Site Characterization, Corning, New York, United States. 10/2020-05/2021.
Employer: Parsons

Parsons performed preliminary site characterization activities, including collecting 16 surface soil samples, performing one day of trenching and excavations, and installing 16 soil borings to 16 feet below ground surface, with 8 of the soil borings being converted into monitoring wells. Karen was responsible for preparing a standard operating procedure report describing the methods and approach for delineating the mean high water mark along the Chemung River.

Biologist and Risk Assessor. Confidential Multinational Conglomerate Corporation, Tonawanda Coke Plant Site 108 Remedial Investigation, Tonawanda, New York, United States. 10/2020-06/2021.
Employer: Parsons

Parsons is completing a focused remedial investigation and preparing a final remedial investigation report for the Tonawanda Coke Plant Site 108 (Operable Unit 3) under the New York State Superfund Program. Work includes providing project management, overseeing field investigations, preparing draft and final remedial investigation reports for New York State

YEARS OF EXPERIENCE

Total: 32

With Parsons: 20

EDUCATION

- Master, Natural Resource Ecology, Duke University, North Carolina, 1988
- Bachelor, Biology, Kenyon College, Ohio, 1985

CERTIFICATIONS

- Project Manager Certification, Parsons
- Professional Wetland Scientist (PWS) No. 297, Society of Wetland Scientists Professional Certification Program, Inc.

PROFESSIONAL AFFILIATIONS

- Society for Ecological Restoration (SER), Member, 2019-Present
- Society of Environmental Toxicology and Chemistry (SETAC), Member, 2005-Present
- Society of Wetland Scientists (SWS), Member, 1991

COMPUTER/SOFTWARE SKILLS

- Microsoft Office

Department of Environmental Conservation review and approval, creating and managing an electronic database for remedial investigation analytical data, and validating analytical data in accordance with the project quality assurance project plan. Karen is responsible for overseeing the fieldwork to delineate wetlands and map ecological habitat at this former industrial site. Following field data collection, work includes preparing a fish and wildlife impact analysis report to summarize ecological receptors at the site and potential exposure pathways

Wetland Scientist and Ecologist. Confidential International Oil Company Pipeline Division, Pipeline Engineering and Maintenance Projects, Nationwide United States. 03/2008-Present.
Employer: Parsons

Parsons has provided environmental consulting services since 2004 for facilities belonging to the pipeline division of a confidential international oil company. Services included wetlands evaluation, permitting, and delineation; sensitive area and endangered species habitat evaluations; land disturbance and stormwater permit preparation; National Pollutant Discharge Elimination System permitting and compliance activities; hydrotest water treatment; stormwater pollution prevention plan and spill prevention, control, and countermeasure plan preparation; water permitting and discharge requirement evaluations; and health, safety, security, and environmental plan preparation for more than 35 locations in nine states and the Gulf of Mexico Region. Karen evaluated areas adjacent to a pipeline stream crossing to determine if the areas may be impacted by planned repair work in and adjacent to the stream as part of water permitting requirements.

Principal Wetland Scientist. Waste Management of Kentucky, Wetlands Permitting, Cincinnati, Ohio, United States. 01/2001-Present.
Employer: Parsons

Parsons prepared Section 401 and 404 permit applications for potential impacts to 40 acres of bottomland hardwood forest and designing a mitigation plan for 90 acres of replacement wetlands. The project was approved with a specially obtained permit expiration date of 50 years from permit issuance to accommodate master design plans. Tasks included preparing mitigation design plans, reviewing and selecting contractors to implement the design, overseeing selected contractors during construction, and implementing a five-year monitoring program to determine project success.

Ecologist. Confidential International Oil Company, Former Refinery Operations, Maintenance, and Monitoring, Western, Ohio, United States. 06/2017-Present.
Employer: Parsons

Karen inspects three natural habitat restoration areas for the presence of invasive species. Areas inspected include three prairie habitats and one wetland ecosystem. Recommendations are made semi-annually for control measures at each site.

Environmental Scientist. City of Fort Wright, Amsterdam Road Reconstruction Phase 1, Fort Wright, Kentucky, United States. 04/2017-08/2018.
Employer: Parsons

Parsons provided environmental services for the Amsterdam Road Reconstruction project between Redwood Drive and General Drive in the city of Fort Wright. Parsons' scope of work included an environmental analysis and an alternatives summary. Karen prepared a Level 1 categorical exclusion document for 2,200 linear feet of improvements to a major connecting road in Fort Wright, Kentucky. Also conducted ecological and wetland surveys to identify and evaluate potential Waters of the United States and to identify potential habitat for endangered bat species and running buffalo clover.

Principal Biologist/Scientist. Kleingers & Associates, Inc., Safe Routes to School Projects, Master Services Agreement, Cincinnati, Ohio, United States. 10/2011-04/2015.
Employer: Parsons

Parsons provided environmental investigations and National Environmental Policy Act documentation for several pedestrian and bicycling improvement projects under the Safe Routes to School program. Parsons completed environmental documentation, including environmental site assessments, ecological screening reports, cultural resources packages, and Section 4(f) concurrence letters for projects in Sugarcreek Township (District 8), Colerain Township (District 8), and the Village of Plain City (District 6). Karen evaluated the presence of endangered and threatened species and other natural resources, including wetlands and surface water bodies that may have been impacted by improvements associated with road improvements and construction in accordance with Ohio Department of Transportation guidelines at various sites throughout Ohio.

Ecologist. Confidential International Oil Company, Former Refinery Land Use Redevelopment, Cincinnati, Ohio, United States. 03/2006-04/2006.
Employer: Parsons

Karen provided technical support for developing wetland and wildlife habitat restoration plans for this closed petroleum refinery along the banks of the Great Miami River. The site was certified by the Wildlife Habitat Council and nominated for the Corporate Habitat of the Year.

Principal Biologist/Scientist. Charlotte Area Transit System, Charlotte Light Rail Transit Preliminary Engineering, Charlotte, North Carolina, United States. 08/2002-03/2003.
Employer: Parsons

Parsons provided preliminary engineering, environmental study, and final design services for a 12-mile-long light rail transit project between downtown Charlotte and Pineville, North Carolina. The project was initiated with an alternative definition phase that included refining the 12-mile alignment and examining 19 potential station locations for optimal transit- and pedestrian-oriented development opportunities, which were carried through to the final design. Karen was responsible for conducting ecological and wetland surveys. The surveys included identifying wetland areas and significant ecological habitat, including potential occurrences of endangered species along the preferred route and several alternates that extended approximately 14 miles. The results were presented in a separate technical memorandum and in a draft environmental impact statement for the project.

DuPont Site Representative. Confidential Global Chemical Manufacturing Company, Peters Cartridge Facility Remediation, Northeastern , United States. 10/2010-03/2018.
Employer: Parsons

Parsons has performed environmental services at a 71-acre parcel of land at a former ordnance manufacturing facility Superfund site contaminated with metals and semi-volatile organic compounds located adjacent to a state and national scenic river since 2009. A high-traffic bike path owned by the state runs through the site, and the terrain is rugged and densely vegetated. Work included determination of extent of shallow impacted soils to be relocated to a containment area constructed on-site, designed in accordance with Ohio industrial landfill regulations; demolition of select site facilities; excavation, stabilization, and on-site consolidation of lead-contaminated soil; design and construction of a 4-acre on-site consolidation waste cell; and site restoration. Parsons is completing ongoing operations and maintenance, including site inspections and groundwater monitoring. Karen was responsible for overseeing contractors implementing the site remediation plan, including excavation, slope stabilization, habitat restoration, and safety

audits. Habitat restoration required intense agency involvement at both the federal and local levels because the site is located adjacent to a National and State Scenic River.

Principle Risk Assessor. New York State Department of Environmental Conservation, Eastman Business Park RCRA Facility Investigation and Corrective Measures Study, Rochester, New York, United States. 08/2014-03/2017.
Employer: Parsons

The project involved a 4-mile-long stretch of the Lower Genesee River impacted by silver and other contaminants resulting from operations at a former business park. The project site included impacted channel sediments and adjacent wetland areas, encompassed an active industrial navigational channel and numerous large marinas, and involved multiple stakeholders. Parsons performed remedial investigation activities, including a bathymetry and side scan sonar survey, a sediment investigation, surface water sampling, adjacent wetland and floodplain assessments, aquatic habitat assessments and tissue sampling, a toxicity study, human health and ecological risk assessments, and sediment transport modeling. Karen completed a risk assessment for the Lower Genesee River area of concern as part of a remedial investigation for the site. Constituents detected in groundwater, surface water, sediments, floodplains, and fish tissue were compared to identified screening levels to identify constituents, receptors, and pathways of concern. Constituents of concern included silver, arsenic, mercury, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons. Pathways of exposure included recreational use of the river, including swimming, boating, and fishing. Based on the results of the risk assessment, remedial action objectives for the river were identified.

Wetland Scientist. Confidential International Oil Company, Landfill Operations, Maintenance, and Monitoring, Northwestern, Kentucky, United States. 01/2008-02/2009.
Employer: Parsons

Parsons provided remediation management services at a landfill that produces impacted groundwater that has historically seeped from the toe of the landfill slope, resulting in stressed vegetation and surface contamination. A groundwater collection trench and wet well were installed to collect the groundwater, and a storage tank was added in the late 1990s to facilitate transfer of the collected groundwater to tank trucks for transportation and off-site disposal. Parsons was responsible for operation of the groundwater collection system. Work included conducting an alternatives evaluation of the existing leachate collection system to mitigate leachate generation and designing and constructing the selected alternative; designing and installing a 2.3-acre improved landfill cap that consisted of a high-density polyethylene membrane, drainage swales with V-notch flumes, and passive soil gas vents over an existing clay cap to reduce the volume of leachate produced; investigating options for improvements to leachate handling and disposal, such as adding new leachate storage facilities and telemetry and supervisory control and data acquisition system controls, improving access roads and secondary containment, and providing on-site treatment using traditional and biological processes; and designing an impermeable cover system with associated drainage features to replace the existing stormwater management system. Primary chemicals of concern were cyanide and fluoride. Karen prepared an evaluation for using created wetlands to treat arsenic- and fluoride-contaminated leachate generated from this former potliner landfill. Based on the evaluation, wetlands were selected as part of the final remedy for the landfill.

Wetland Scientist. Confidential International Chemical Company, Ventron/Velsicol Superfund Site Operable Unit 1 Design, Wood-Ridge and Carlstadt, New Jersey, United States. 06/2007-04/2008.
Employer: Parsons

Parsons provided design and construction management for an 18-acre solid waste landfill cover system to promote runoff and serve as a non-contact cover surface for underlying contaminated waste materials. The scope included design of a site-wide stormwater management system, including lined swales, and construction of a tide gate in a drainage swale to mitigate the effects of flooding in and around a warehouse facility. Work included excavation and disposal of more than 66,000 cubic yards of mercury-contaminated soil, installation of 1,250 linear feet of steel sheet pile for a vertical hydraulic barrier wall, construction of a soil cap, construction of a 50,000-square-foot reinforced concrete cap, and various other site work components. Karen prepared habitat restoration plans and completed a wetland assessment for freshwater and tidal wetlands affected by implementation of remedial activities for this former industrial site adjacent to Berry's Creek.

Principal Wetland Biologist. Confidential International Oil Company, Mid-Michigan Oilfield Remediation, Closure, and Restoration, Central , Michigan, United States. 01/2007-04/2007.
Employer: Parsons

This project was part of a program in which Parsons managed remediation of more than 800 former oilfield sites, including 506 former oil wells, tank battery sites, and spill areas in central Michigan. Parsons also provided program management, investigation, remedial engineering, and construction oversight services and restored more than 9,225 acres of land to nearly original condition under US Environmental Protection Agency and Michigan Department of Environmental Quality and Department of Natural Resources requirements. Karen evaluated abandoned oil field sites to determine the need for Section 10, 404, and 401 permits from the state and prepared joint permit applications for the US Army Corps of Engineers and state.

Wetland Scientist. Waste Management, Inc., Laurel Ridge Landfill, Lily, Kentucky, United States. 05/2003-12/2006.
Employer: Parsons

Parsons conducted a wetland delineation and water body evaluation at the Laurel Ridge Landfill for an approximately 45-acre mostly undeveloped proposed expansion area that borders the Little Laurel River. The wetland delineation and water body evaluation were conducted as part of a Notice of Intent to expand the landfill. All wetlands were identified and a determination was made as to whether or not the wetlands fulfilled the jurisdictional requirements of the US Army Corps of Engineers, Nashville District. Other potentially regulated water bodies of the state (i.e., streams and ponds) were identified within the proposed expansion area. Identified wetland boundaries were flagged by Parsons and surveyed for plotting on a base map. A report of the findings was prepared for review by landfill staff and forwarded to the US Army Corps of Engineers for verification of the delineated wetland boundaries and identified water bodies of the state. Parsons also assisted with completing the notice of intent for expansion prior to submission to the Kentucky Department of Environmental Protection. Karen was responsible for delineating wetlands and determining impacts to those wetlands and other water bodies at the facility in response to a planned expansion. Prepared applications to the state and US Army Corps of Engineers for required permits to affect these water bodies.

Ecologist. Confidential International Oil Company, Former Refinery Land Use Redevelopment, Cincinnati, Ohio, United States. 03/2006-04/2006.
Employer: Parsons

Karen provided technical support for developing wetland and wildlife habitat restoration plans for this closed petroleum refinery along the banks of the Great Miami River. The site was certified by the Wildlife Habitat Council and nominated for the Corporate Habitat of the Year.

Publications/Presentations

Presentations

"Lower Genesee River RFI Investigation Overview," Ninth International Conference on Remediation and Management of Contaminated Sediments, New Orleans, Louisiana, 2017 (co-presenters L. Thomas, M. Vetter, T. Drachenberg, K. Fields, S. Bupp, K. Dean, M. Rondinelli, C. Kriegner, and T. Towey).

"Designing Successful Forested Wetlands That Can Provide Floodplain Compensation In Urban Areas," American Water Resources Association Annual Conference, Albuquerque, New Mexico, 2011.

"Use of No-Purge Sampling Techniques to Eliminate Health and Safety Concerns and Reduce Cost," SPE Americas E&P Environmental and Safety Conference, San Antonio, Texas, 2009.

"Using Mitigation Wetlands to Improve Water Quality at a Solid Waste Landfill in Louisville, Kentucky," Society of Wetland Scientists Catchments to Coast Conference, Cairns, Australia, 2006.

"Tracking, Performance Criteria and Long-Term Monitoring," Association of State Wetland Managers, National Symposium: Wetlands 2002 – Restoring Impaired Wetlands and Other Waters, Indianapolis, Indiana, 2002.

JAMES MOLLOY

SENIOR SCIENTIST

James Molloy is an environmental scientist with experience on a variety of environmental remediation and restoration projects. James has provided support for efforts throughout New York State performing environmental and water quality field work, wetland delineation, fish and wildlife resources impact analysis, stream assessment, mean high water mark (MHWM) determination, restoration design, reporting writing, and permitting development. Prior to joining the Parsons team, James received a master's degree from The State University of New York, College of Environmental Science and Forestry (SUNY ESF) in Environmental and Forest Biology. James' relevant coursework includes advanced courses in ecological monitoring and biodiversity assessment, plant ecology and watershed ecology management, dendrology, limnology and the study of inland waters, wetland plant communities, watershed hydrology, freshwater wetland ecosystems, and soils.

James has worked as a scientist for the Parsons Corporation for five years. He has performed numerous wetland delineations with Mr. Joseph McMullen, Professional Wetland Scientist (PWS), throughout Onondaga County and has led multiple delineations under the guidance of Ms. Karen Fields, PWS throughout New York State. James has been the primary author of the resulting wetland delineation reports. James is proficient in the identification of the aquatic and terrestrial plants of the Northeastern United States, the characterization of soils, and the hydrologic indicators of wetlands and floodplains.

Work Experience

Senior Scientist. Confidential International Chemical Company, Avtex Fibers Superfund Site, Front Royal, Virginia.

James performed annual wetland monitoring at constructed wetlands, habitat assessment, determined species of concern, and identified maintenance needs.

Senior Scientist. AVANGRID, Inc., East Station Former Manufactured Gas Plant Site, Rochester, New York, United States.

James completed wetland delineation determinations and habitat assessment surveys. He conducted soil assessments, stream assessments, determined species of concern, conducted Waters of the U.S. (WOTUS) surveying, and created associated reports.

Scientist. Orange and Rockland Utilities, Inc., Transmission/Distribution Line Shoreline Stabilization, Mahwah, New Jersey.

James completed wetland delineation determinations and habitat assessment surveys for Orange and Rockland Utilities, Inc. shoreline stabilization efforts at multiple locations. He conducted soil assessments, stream assessments, determined species of concern, conducted WOTUS surveying, created reports, and developed permits on numerous sites.

Scientist. Orange and Rockland Utilities, Inc., Transmission/Distribution Line Shoreline Stabilization, Rockland County, New York.

James completed wetland delineation determinations and habitat assessment surveys for Orange and Rockland Utilities, Inc. shoreline stabilization efforts at multiple locations. He

YEARS OF EXPERIENCE

Total: 5

With Parsons: 4

EDUCATION

- Master of Professional Studies, Environmental and Forest Biology, SUNY ESF, New York, 2020
- Bachelor of Science, Conservation Biology, SUNY ESF, New York, 2016

CERTIFICATIONS

- 40-Hour HAZWOPER, current
- New York State Erosion and Sediment Control Certificate (NYSESCC)

conducted soil assessments, stream assessments, determined species of concern, conducted WOTUS surveying, created reports, and developed permits on numerous sites.

Scientist. Confidential Multinational Conglomerate Corporation, Onondaga Lake Natural Resources Restoration, Lake Habitat Enhancements, Syracuse, New York.

James aids with Natural Resource Damages habitat enhancement project. He has performed multiple wetland delineations, led field teams, developed and implemented native species restoration plans, performed quantitative vegetation assessments, created reports, and developed permits.

Scientist. Confidential Multinational Conglomerate Corporation, Onondaga Lake Remedial Goal Monitoring, Syracuse, New York.

James completes projects related to Onondaga Lake remedial goal monitoring. Responsibilities include performing multiple wetland delineations, conducting invasive species removal, surface water and sediment sampling, fish tissue collection, wildlife monitoring, and quantitative vegetation assessments.

Scientist. AVANGRID, Inc., West Station Former Manufactured Gas Plant Remedial Design, Rochester, New York, United States.

James performed ordinary high water mark determination, wetland delineation, tree survey, and habitat assessment. Assisted in restoration components of the design.

Associate Scientist. Confidential Multinational Conglomerate Corporation, Tonawanda Coke Plant Site 108 Remedial Investigation, Tonawanda, New York.

James conducted site reconnaissance and wetland delineation determinations for the Tonawanda Coke Plant Site 108 under the New York State Superfund Program. Responsibilities included soil assessments, habitat and stream assessments, WOTUS surveying, and fish and wildlife and wetland delineation report creation.

Associate Scientist. New York State Department of Environmental Conservation, Corning International Site Remedial Construction Oversight.

James performed field oversight and performed MHWM determinations for study areas along the Chemung River.

Technician. Upper Susquehanna Coalition. 05/2016 – 12/2016.

The Upper Susquehanna Coalition is a group consisting of 22 Soil and Water Conservation Districts that perform stream stabilization and install planted buffers to protect and improve water quality and natural resources in the Upper Susquehanna River Basin. James performed invasive species control, buffer plantings, plant identification and U.S. Army Corps of Engineers data collection, and stream buffer construction.

KAITLYN E. MORANZ

SCIENTIST

Kaitlyn Moranz is an environmental scientist with experience on a variety of environmental remediation and restoration projects. Kaitlyn has provided support for efforts throughout New York State performing environmental and water quality field work, restoration design, AutoCAD and geographic information system (GIS) drawing creation, wetland delineation, safety permitting, reporting writing, and permitting development. Prior to joining the Parsons team, Kaitlyn received a master's degree from Rochester Institute of Technology in environmental science, obtained wetland delineation training through The Swamp School, LLC, and held positions in municipal government and civil engineering.

In her four years as a scientist with Parsons Corporation, Kaitlyn has performed multiple wetland delineations with Mr. Joseph McMullen, Professional Wetland Scientist (PWS) throughout Onondaga County and has led multiple delineations under the guidance of Ms. Karen Fields, PWS throughout New York State. Kaitlyn is proficient in the use of routine on-site inspection methodologies outlined in the U.S. Army Corps of Engineers Wetlands Delineation Manual and the Northcentral Northeast Region's Regional Supplement to the Corps of Engineers Wetland Delineation Manual.

YEARS OF EXPERIENCE

Total: 9

With Parsons: 4

EDUCATION

- Master of Science, Environmental Science, Rochester Institute of Technology, New York, 2016
- Wetland Delineation & Regional Supplement Training, Swamp School, LLC, 2016
- Bachelor of Science, Environmental Science, Rochester Institute of Technology, New York, 2014
- New York State Erosion and Sediment Control Certificate (NYSESCC)

Work Experience

Scientist. Orange and Rockland Utilities, Inc., Transmission/Distribution Line Shoreline Stabilization, Rockland County, New York.

Kaitlyn completed wetland delineation determinations and habitat assessment surveys for Orange and Rockland Utilities, Inc. shoreline stabilization efforts at multiple locations. She conducted soil assessments, determined species of concern and any potential impacts to each, conducted waters of the U.S. (WOTUS) surveying, created reports, developed permits, and created GIS figures for documentation.

Scientist. Orange and Rockland Utilities, Inc., Transmission/Distribution Line Shoreline Stabilization, Mahwah, New Jersey.

Kaitlyn completed wetland delineation determinations and habitat assessment surveys for Orange and Rockland Utilities, Inc. shoreline stabilization efforts at multiple locations. She conducted soil assessments, determined species of concern and any potential impacts to each, conducted WOTUS surveying, created reports, developed permits, and created GIS figures for documentation.

Scientist. Confidential Multinational Conglomerate Corporation, Onondaga Lake Natural Resources Restoration, Lake Habitat Enhancements, Syracuse, New York.

Kaitlyn aids with Natural Resource Damages habitat enhancement projects leading field teams, conducting multiple wetland delineation determinations, developing and implementing native species restoration plans, creating AutoCAD/GIS drawings, and developing permits. She also has conducted multiple Phase I and II surveys, completing both field work and figure creation.

Scientist. Confidential Multinational Conglomerate Corporation, Onondaga Lake Remedial Goal Monitoring, Syracuse, New York.

Kaitlyn completes projects related to Onondaga Lake remediation. Responsibilities include leading field teams of undergraduate-level interns, conducting wetland delineation determinations, implementing native species restoration plans, AutoCAD/GIS drawing creation, surface water and sediment sampling, global positioning systems (GPS) surveying, and wildlife monitoring.

Associate Scientist. Confidential Multinational Conglomerate Corporation, Tonawanda Coke Plant Site 108 Remedial Investigation, Tonawanda, New York.

Kaitlyn conducted site reconnaissance and wetland delineation determinations for the Tonawanda Coke Plant Site 108 under the New York State Superfund Program. Responsibilities included soil assessments, habitat assessments, WOTUS surveying, and fish and wildlife and wetland delineation report creation. Additionally, Kaitlyn provided oversight of sub-contractors conducting soil core collection and performed soil analysis preparation.

Associate Scientist. New York State Department of Environmental Conservation, Orphan Well Plugging Project Construction Oversight, New York.

Kaitlyn assisted with permitting completion for multiple Orphan Well Plugging projects. She created GIS/AutoCAD figures for permit packages, conducted invasive species assessments, and compiled photographic documentation for projects.

Deputy Clerk. Village of Pittsford. 06/2017-05/2018.

Kaitlyn held a position with the Village of Pittsford as a deputy clerk. She provided GIS instruction, completed data entry projects, and participated in Village Board meetings. She aided in the design of the village website and implemented Department of Public Works and Building/Code Enforcement software updates. She additionally developed manuals for the use of the new software.

Civil Engineering Assistant. Professional Engineering Group. 09/2017-04/2018.

Kaitlyn held a position with Professional Engineering Group completing projects in Ontario and Monroe Counties, New York. She had responsibilities in permit writing, AutoCAD design drawing and GIS mapping, habitat assessments, hydrology calculations, and municipality board meeting presentations.

Undergraduate/Graduate Researcher. Waste Management/Rochester Institute of Technology. 05/2012-08/2016.

Kaitlyn held a position as a researcher for Rochester Institute of Technology in cooperation with Waste Management completing tasks as a field lead and as part of a team such as: wetland invasive species management, wetland delineations, GIS map creation, native species planting design and implementation, public outreach programs, and analysis of bathymetry, species diversity, and other measures of wetland health.

MADELEINE FERGUSON

ENVIRONMENTAL PERMITTING AND COMPLIANCE ASSOCIATE

Madeleine Ferguson is an environmental professional with experience on a variety of environmental remediation and restoration projects. Madeleine has provided support for efforts throughout New York State (NYS) performing environmental and water quality field work, reporting writing, geographic information systems (GIS) mapping, and permitting development. Madeleine is proficient in the identification of the birds common to the Northeastern United States, and the identification of hydric soils, wetland hydrology, and wetland vegetation.

YEARS OF EXPERIENCE

Total: 2

With Parsons: 1

EDUCATION

- Bachelor of Arts, Environmental Studies, Hobart and William Smith, 2021

CERTIFICATIONS

- 40-Hour HAZWOPER, current

Work Experience

Orange and Rockland Utilities, Inc., Transmission/Distribution Line Shoreline Stabilization, Rockland County, New York.

Parsons developed the designs for the installation of shoreline stabilization for transmission and distribution infrastructure to address erosion concerns in five municipalities. Madeleine's responsibilities included completing GIS figures and review; assisting wetland delineation determinations and habitat assessment surveys; preparing compliance documentation; and preparing permit applications for shoreline stabilization efforts.

Orange and Rockland Utilities, Inc., Transmission Line Shoreline Stabilization, Mahwah, New Jersey.

Parsons is developing the designs for the installation of shoreline stabilization for transmission infrastructure to address erosion concerns at multiple locations. Madeleine's responsibilities included completing GIS figures and review; assisting wetland delineation determinations and habitat assessment surveys; preparing compliance documentation; and preparing permit applications.

AVANGRID, Inc., East Station Former Manufactured Gas Plant Remedial Design, Rochester, New York.

Parsons is developing the design for the NYS Superfund dredge and cap effort to address historical contamination of the riverbed and associated upland areas of the Genesee River. Madeleine's responsibilities included completing GIS figures and review; assisting wetland delineation determinations and habitat assessment surveys; preparing compliance documentation; and preparing permit applications.

APPENDIX B USFWS FEDERAL IPAC SYSTEM RESULTS

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
Phone: (607) 753-9334 Fax: (607) 753-9699
Email Address: fw5es_nyfo@fws.gov

In Reply Refer To:
Project Code: 2023-0076165
Project Name: RGE East Station Site

May 01, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
(607) 753-9334

PROJECT SUMMARY

Project Code: 2023-0076165
Project Name: RGE East Station Site
Project Type: Non-NPL Site Remediation
Project Description: Rochester Gas and Electric Corporation (RG&E) intends to complete Pre-Design Investigation (PDI) activities to assess the potential release of contaminants from the RGE East Station Site (Site) located at Suntru Street in the City of Rochester, Monroe County, New York. As a part of the PDI, Parsons has been contracted by RG&E to obtain environmental and other relevant permits for the Site. Parsons is submitting this request for a project screening as part of an environmental assessment for permit issuance.

The PDI is being implemented in accordance with the requirements of a Multi-Site Order on Consent (Index# CO-8-20180517-48) governed by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Superfund Program. The scope of work of the PDI generally includes survey, soil and sediment boring installation and sampling, and other related field investigations.

The Site is an approximately 13.4-acre area located along the east bank of the Genesee River (latitude 43.167582531, longitude -77.620444002) and is currently vacant. The Site and other properties in the immediate vicinity have long histories of industrial and commercial use.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@43.1682128,-77.62070844887828,14z



Counties: Monroe County, New York

ENDANGERED SPECIES ACT SPECIES

There is a total of 2 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Parsons Corporation
Name: james Molloy
Address: 301 Plainfield Road, Suite 350
City: Syracuse
State: NY
Zip: 13212
Email james.molloy@parsons.com
Phone: 3157298755

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Army Corps of Engineers

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Project information

NAME

RGE East Station Site

LOCATION

Monroe County, New York



DESCRIPTION

Some(Rochester Gas and Electric Corporation (RG&E) intends to complete Pre- Design Investigation (PDI) activities to assess the potential release of contaminants from the RGE East Station Site (Site) located at Suntru Street in the City of Rochester, Monroe County,

New York. As a part of the PDI, Parsons has been contracted by RG&E to obtain environmental and other relevant permits for the Site. Parsons is submitting this request for a project screening as part of an environmental assessment for permit issuance. The PDI is being implemented in accordance with the requirements of a Multi-Site Order on Consent (Index# CO-8-20180517-48) governed by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) Superfund Program. The scope of work of the PDI generally includes survey, soil and sediment boring installation and sampling, and other related field investigations. The Site is an approximately 22-acre area located along the east bank of the Genesee River (latitude 43.167582531, longitude -77.620444002) and is currently vacant. The Site and other properties in the immediate vicinity have long histories of industrial and commercial use.)

Local office

New York Ecological Services Field Office

(607) 753-9334
(607) 753-9699
fw5es_nyfo@fws.gov

3817 Luker Road
Cortland, NY 13045-9385

https://www.fws.gov/northeast/NYFO/

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of

NOT FOR CONSULTATION

Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Northern Long-eared Bat Myotis septentrionalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

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Bald & Golden Eagles

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act[1] and the Migratory Bird Treaty Act[2].

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats[3], should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

There are bald and/or golden eagles in your project area.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Dec 1 to Aug 31
Golden Eagle *Aquila chrysaetos* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Jan 1 to Aug 31

NOT FOR CONSULTATION

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

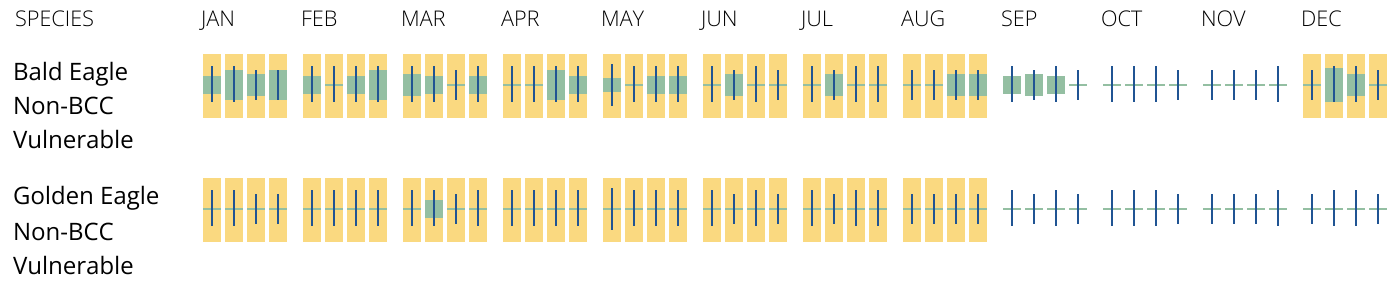
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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▪ probability of presence ▪ breeding season | survey effort – no data



What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

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Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats[3] should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

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For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Dec 1 to Aug 31

Belted Kingfisher Megaceryle alcyon — Breeds Mar 15 to Jul 25
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Black-billed Cuckoo Coccyzus erythropthalmus — Breeds May 15 to Oct 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9399

Bobolink Dolichonyx oryzivorus — Breeds May 20 to Jul 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Canada Warbler Cardellina canadensis — Breeds May 20 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Cerulean Warbler Dendroica cerulea — Breeds Apr 20 to Jul 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/2974

Chimney Swift Chaetura pelagica — Breeds Mar 15 to Aug 25
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Evening Grosbeak Coccothraustes vespertinus — Breeds May 15 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Golden Eagle Aquila chrysaetos — Breeds Jan 1 to Aug 31
This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1680

Golden-winged Warbler Vermivora chrysoptera — Breeds May 1 to Jul 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/8745

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Lesser Yellowlegs Tringa flavipes This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Pectoral Sandpiper Calidris melanotos This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Prairie Warbler Dendroica discolor This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Red-headed Woodpecker Melanerpes erythrocephalus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

NOT FOR CONSULTATION

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted

Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season ( )
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

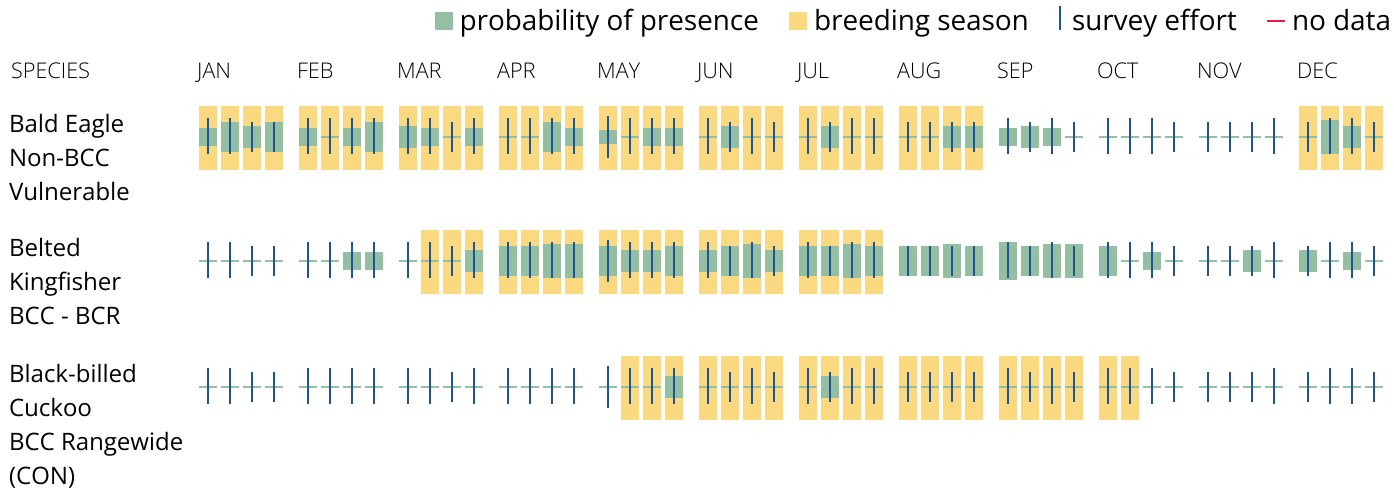
Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

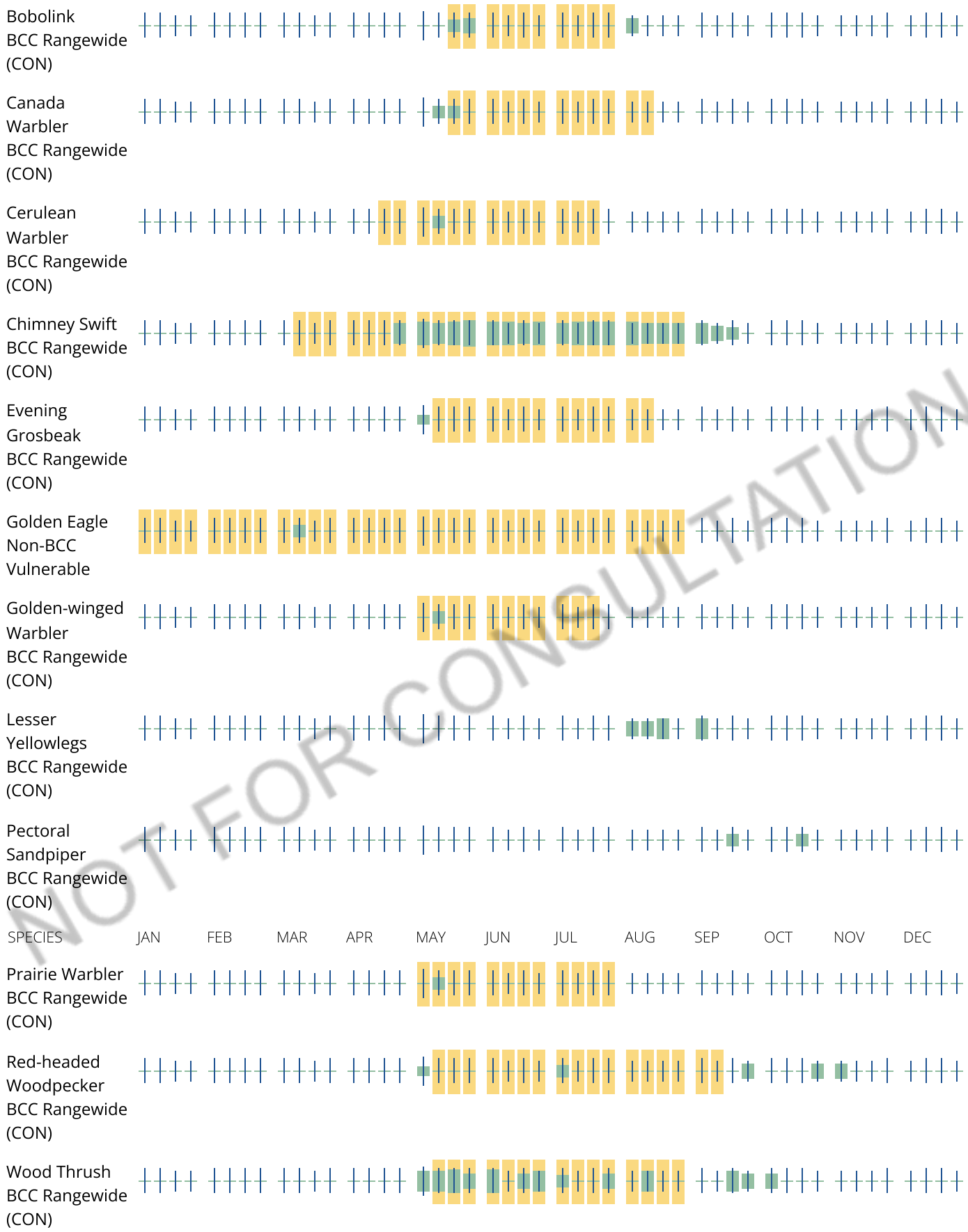
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);

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2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

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Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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APPENDIX C NYNHP RESULTS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program
625 Broadway, Fifth Floor, Albany, NY 12233-4757
P: (518) 402-8935 | F: (518) 402-8925
www.dec.ny.gov

June 8, 2023

Amy Ruta
Parsons
301 Plainfield Road, Suite 350
Syracuse, NY 13212

Re: Rochester Gas and Electric Corporation -- RGE East Station Site (Site No. 828204)
County: Monroe Town/City: Rochester

Dear Amy Ruta:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

We have no records of rare or state-listed animals or plants, or significant natural communities at the project site.

Peregrine falcon (*Falco peregrinus*, state listed as Endangered) has been documented nesting within 1/2 mile of the project site. For information about any permit considerations for your project, please contact the Permits staff at the NYSDEC Region 8 Office, Division of Environmental Permits, at dep.r8@dec.ny.gov.

For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other resources may be required to fully assess impacts on biological resources.

For information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the Permits staff at the NYSDEC Region 8 Office as described above.

Sincerely,

Heidi Krahling
Environmental Review Specialist
New York Natural Heritage Program

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APPENDIX D STREAM FEATURE TABLE

APPENDIX D - STREAM FEATURE TABLE
EAST STATION FORMER MGP SITE

STREAMS

STREAM IDENTIFICATION	CLASSIFICATION	COWARDIN CODE	STREAM NAME	LOCATION		HYDROLOGICAL CONNECTIVITY	JURISDICTION				
							NYSDEC		USACE		
				LATITUDE	LONGITUDE		CLASS	TROUT	ELIGIBLE	MAPPED	DESCRIPTION
Genesee River	Non-Trout	R2UBH	Genesee River	43.168006	-77.622708	Tributary to Lake Ontario	Non-Trout	No	Yes	Yes	The Genesee River is a large, TNW that outlets to Lake Ontario.

APPENDIX E USACE WETLAND DETERMINATION DATA FORMS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: East Station Former MGP Site City/County: Rochester, Monroe County Sampling Date: 8/14/2023

Applicant/Owner: Rochester Gas and Electric Corporation State: NY Sampling Point: 1U

Investigator(s): Kaitlyn Moranz, Jim Molloy, Madeleine Ferguson Section, Township, Range: NA

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0

Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 77°37'8.678"W Long: 43°10'1.78"N Datum: NAD 83

Soil Map Unit Name: Urban Land (Ub) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No X

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area**		
Hydric Soil Present?	Yes ____	No X	**within a Wetland?**	**Yes** ____	**No** X
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID:		

Remarks: (Explain alternative procedures here or in a separate report.)
Over 100 years of industrial activities have changed site characteristics dramatically. Site soils consist of a thick layer of urban fill, often consisting of aggregates and other debris. Sampling point located within unmaintained drainage swale. Clonal trees including cottonwood, tree of heaven, and black locust forming clumps throughout. Plot performed within drainage channel to investigate the presence of wetland characteristics.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- ____ Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ Marl Deposits (B15)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- ____ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Drainage channel displaying no signs of prolonged hydrology, and likely channels only stormwaters.

PARSONS

VEGETATION – Use scientific names of plants. Sampling Point: 1U

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Populus deltoides*	30	Yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	30	=Total Cover	
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
		=Total Cover	
Herb Stratum (Plot size:)			
1. *Poa* sp.	40	Yes	
2. *Phragmites australis*	20	Yes	FACW
3. *Artemisia vulgaris*	20	Yes	UPL
4. *Cynanchum rossicum*	5	No	UPL
5. *Asclepias syriaca*	5	No	UPL
6. *Daucus carota*	5	No	UPL
7. *Fraxinus pennsylvanica*	2	No	FACW
8.			
9.			
10.			
11.			
12.			
	97	=Total Cover	
Woody Vine Stratum (Plot size:)			
1.			
2.			
3.			
4.			
		=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	22	x 2 =	44
FAC species	30	x 3 =	90
FACU species	0	x 4 =	0
UPL species	35	x 5 =	175
Column Totals:	87 (A)		309 (B)

Prevalence Index = B/A = 3.55

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)

PARSONS

SOIL

Sampling Point: 1U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/1	100					Loamy/Clayey	Silt loam
4-8	10YR 4/2	95					Sandy	Fine sand
	10YR 4/2	5						Silt loam pockets in the fine sand

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 8

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to reflect the NRCS Field Indicators of Hydric Soils version 7.0 March 2013 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

The drainage swale was likely lined with rock and sand. Soils include a shallow 4-inch layer of silt loam over fine sand and coarse stone at 8-inches depth.

PARSONS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: East Station Former MGP Site City/County: Rochester, Monroe County Sampling Date: 8/14/2023

Applicant/Owner: Rochester Gas and Electric Corporation State: NY Sampling Point: 2U

Investigator(s): Kaitlyn Moranz, Jim Molloy, Madeleine Ferguson Section, Township, Range: NA

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0

Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 77°37'11.922"W Long: 43°9'59.335"N Datum: NAD 83

Soil Map Unit Name: Urban Land (Ub) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No X

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area**		
Hydric Soil Present?	Yes ____	No X	**within a Wetland?**	**Yes** ____	**No** X
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID:		

Remarks: (Explain alternative procedures here or in a separate report.)
Over 100 years of industrial activities have changed site characteristics dramatically. Site soils consist of a thick layer of urban fill, often consisting of aggregates and other debris. Sampling point located within unmaintained drainage swale. Plot performed within drainage channel to investigate the presence of wetland characteristics.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Drainage channel displaying no signs of prolonged hydrology, and likely channels only stormwaters.

PARSONS

VEGETATION – Use scientific names of plants.

Sampling Point: 2U

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. *Gleditsia triacanthos*	5	Yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	5 =Total Cover		
Herb Stratum (Plot size:)			
1. *Phleum pratense*	40	Yes	FACU
2. *Vicia cracca*	30	Yes	UPL
3. *Poa* sp.	20	Yes	
4. *Artemisia vulgaris*	20	Yes	UPL
5. *Glechoma hederacea*	15	No	FACU
6. *Ailanthus altissima*	5	No	UPL
7. *Asclepias incarnata*	5	No	OBL
8. *Lotus corniculatus*	5	No	FACU
9. *Cynanchum rossicum*	5	No	UPL
10. *Verbena urticifolia*	2	No	FAC
11. *Cirsium vulgare*	2	No	FACU
12. *Melilotus officinalis*	2	No	FACU
	151 =Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	5	x 1 =	5
FACW species	0	x 2 =	0
FAC species	7	x 3 =	21
FACU species	64	x 4 =	256
UPL species	60	x 5 =	300
Column Totals:	136 (A)		582 (B)

Prevalence Index = B/A = 4.28

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)
Dominated by grasses and weedy herbs.

PARSONS

SOIL

Sampling Point: 2U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 3/2	100					Loamy/Clayey	Silt loam
3-10	10YR 4/2	95	5YR 3/4	2			Loamy/Clayey	Sandy silt loam
	10YR 6/8	3						Silt loam

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 10

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to reflect the NRCS Field Indicators of Hydric Soils version 7.0 March 2013 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

The drainage swale was likely lined with rock and sand. Coarse stone at 10 inches depth.

PARSONS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: East Station Former MGP Site City/County: Rochester, Monroe County Sampling Date: 8/14/2023

Applicant/Owner: Rochester Gas and Electric Corporation State: NY Sampling Point: 3U

Investigator(s): Kaitlyn Moranz, Jim Molloy, Madeleine Ferguson Section, Township, Range: NA

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0

Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 77°37'17.895"W Long: 43°10'4.45"N Datum: NAD 83

Soil Map Unit Name: Urban Land (Ub) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No X

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area**		
Hydric Soil Present?	Yes ____	No X	**within a Wetland?**	**Yes** ____	**No** X
Wetland Hydrology Present?	Yes X	No ____	If yes, optional Wetland Site ID:		

Remarks: (Explain alternative procedures here or in a separate report.)
Over 100 years of industrial activities have changed site characteristics dramatically. Site soils consist of a thick layer of urban fill, often consisting of aggregates and other debris. The sampling point is located in a low spot at the end of a drainage swale, where grass-lined swale meets the rock lined outfall to Genessee River. Common reed has become established in the low area in a monospecific stand. Although the area likely pools water during rainfall, hydric soil indicators have not developed.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ____ Surface Water (A1)
- ____ High Water Table (A2)
- X Saturation (A3)
- ____ Water Marks (B1)
- ____ Sediment Deposits (B2)
- ____ Drift Deposits (B3)
- ____ Algal Mat or Crust (B4)
- ____ Iron Deposits (B5)
- ____ Inundation Visible on Aerial Imagery (B7)
- ____ Sparsely Vegetated Concave Surface (B8)
- ____ Water-Stained Leaves (B9)
- ____ Aquatic Fauna (B13)
- ____ Marl Deposits (B15)
- ____ Hydrogen Sulfide Odor (C1)
- ____ Oxidized Rhizospheres on Living Roots (C3)
- ____ Presence of Reduced Iron (C4)
- ____ Recent Iron Reduction in Tilled Soils (C6)
- ____ Thin Muck Surface (C7)
- ____ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ____ Surface Soil Cracks (B6)
- ____ Drainage Patterns (B10)
- ____ Moss Trim Lines (B16)
- ____ Dry-Season Water Table (C2)
- ____ Crayfish Burrows (C8)
- ____ Saturation Visible on Aerial Imagery (C9)
- ____ Stunted or Stressed Plants (D1)
- ____ Geomorphic Position (D2)
- ____ Shallow Aquitard (D3)
- ____ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes X	No ____	Depth (inches): 9 inches

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
A small, low area, dominated by common reed, at the end of a drainage swale along the Genessee River. The area is slightly lower than the rock lined outfall to the river.

PARSONS

VEGETATION – Use scientific names of plants.

Sampling Point: 3U

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
		=Total Cover	
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
		=Total Cover	
Herb Stratum (Plot size:)			
1. *Phragmites australis*	100	Yes	FACW
2. *Poa* sp.	20	No	
3. *Equisetum arvense*	15	No	FAC
4. *Carex* sp.	2	No	
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	137	=Total Cover	
Woody Vine Stratum (Plot size:)			
1.			
2.			
3.			
4.			
		=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	100	x 2 =	200
FAC species	15	x 3 =	45
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	115 (A)		245 (B)

Prevalence Index = B/A = 2.13

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** X **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)
Dominated by grasses and weedy herbs.

PARSONS

SOIL

Sampling Point: 3U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 3/2	100					Loamy/Clayey	Clayey loam
6-9	10YR 4/3	80					Loamy/Clayey	Sandy clay loam
	7.5YR 4/4	20						Sand
9-18	7.5YR 4/4	100					Sandy	Sand

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to reflect the NRCS Field Indicators of Hydric Soils version 7.0 March 2013 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

The sampling point is located in a low spot at the end of a drainage swale, where grass-lined swale meets the rock lined outfall to Genessee River. Common reed has become established in the low area, dominating. Although the area likely pools water during rainfall, indicators of hydric soil have no developed, indicating that the area does not retain water long enough to develop wetland characteristics.

PARSONS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: East Station Former MGP Site City/County: Rochester, Monroe County Sampling Date: 8/16/2023

Applicant/Owner: Rochester Gas and Electric Corporation State: NY Sampling Point: 4U

Investigator(s): Kaitlyn Moranz, Jim Molloy, Madeleine Ferguson Section, Township, Range: NA

Landform (hillside, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0

Subregion (LRR or MLRA): LRR L, MLRA 101 Lat: 77°37'17.37"W Long: 43°10'4.428"N Datum: NAD 83

Soil Map Unit Name: Urban Land (Ub) NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No X

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area**		
Hydric Soil Present?	Yes ____	No X	**within a Wetland?**	**Yes** ____	**No** X
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID:		

Remarks: (Explain alternative procedures here or in a separate report.)
Over 100 years of industrial activities have changed site characteristics dramatically. Site soils consist of a thick layer of urban fill, often consisting of aggregates and other debris. Up the slope from the depression at sampling point 3U. Grassy slope dominated by weeds.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No X	Depth (inches): ____
Water Table Present?	Yes ____	No X	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No X	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Uphill of the depression at sampling point 3U. No idicators of wetland hydrology, soils are very dry and sandy, draining toward the depression.

PARSONS

VEGETATION – Use scientific names of plants.

Sampling Point: 4U

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
		=Total Cover	
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
		=Total Cover	
Herb Stratum (Plot size:)			
1. *Poa* sp.	60	Yes	
2. *Cirsium arvense*	30	Yes	FACU
3. *Lotus corniculatus*	20	No	FACU
4. *Phleum pratense*	15	No	FACU
5. *Vicia cracca*	10	No	UPL
6. *Daucus carota*	5	No	UPL
7. *Phragmites australis*	5	No	FACW
8. *Rumex crispus*	2	No	FAC
9. *Tragopogon* sp.	2	No	
10.			
11.			
12.			
	149	=Total Cover	
Woody Vine Stratum (Plot size:)			
1.			
2.			
3.			
4.			
		=Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	5	x 2 =	10
FAC species	2	x 3 =	6
FACU species	65	x 4 =	260
UPL species	15	x 5 =	75
Column Totals:	87 (A)		351 (B)

Prevalence Index = B/A = 4.03

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ___ **No** X

Remarks: (Include photo numbers here or on a separate sheet.)
Dominated by grasses and weedy herbs.

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SOIL

Sampling Point: 4U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 4/2	70					Loamy/Clayey	Silt loam
	10YR 5/6	30						Fine sand
10-18	10YR 4/4	100					Sandy	Fine sand

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ___ Red Parent Material (F21)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to reflect the NRCS Field Indicators of Hydric Soils version 7.0 March 2013 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

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APPENDIX F PHOTOGRAPHIC DOCUMENTATION

APPENDIX F PHOTOGRAPHIC DOCUMENTATION

EAST STATION FORMER MGP SITE



Title: Photograph 1.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking west at the abandoned railroad bridge over the Genesee River.



Title: Photograph 2.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking southeast at the B&L property and impervious surface areas.



Title: Photograph 3.
Location: Rochester, New York.
Date: August 16, 2023.
Description: Looking southwest from the east bank of the Genesee River at the western gorge wall.



Title: Photograph 4.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking southeast at the B&L property and impervious surface areas.

APPENDIX F PHOTOGRAPHIC DOCUMENTATION

EAST STATION FORMER MGP SITE



Title: Photograph 5.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking northwest at the B&L property and impervious surface areas.



Title: Photograph 6.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking southwest at the B&L property impervious surface areas and an unauthorized dump area.



Title: Photograph 7.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking north at old fields dominated by mugwort (*Artemisia vulgaris*).



Title: Photograph 8.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking southeast at the concrete retaining wall at the B&L property along the OHWM of the Genesee River.



Title: Photograph 9.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking east at an unused RG&E structure and parking lot at the end of Suntru Street.



Title: Photograph 10.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking east up Suntru Street, the access route to the Project Area.



Title: Photograph 11.
Location: Rochester, New York.
Date: August 15, 2023.
Description: Looking west at the rock-lined outlet of the drainage swales.



Title: Photograph 12.
Location: Rochester, New York.
Date: August 15, 2023.
Description: Looking southwest at a common reed-dominated area in the drainage swale.



Title: Photograph 13.
Location: Rochester, New York.
Date: August 15, 2023.
Description: Looking west at a stand of common milkweed (*Asclepias syriaca*) in an old field area.



Title: Photograph 14.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking southeast at impervious surface and unused structures on the RG&E property.



Title: Photograph 15.
Location: Rochester, New York.
Date: August 15, 2023.
Description: looking north at the steep slopes of urban forest west of Suntru Street.



Title: Photograph 16.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking south at impervious surface in the RG&E property.



Title: Photograph 17.
Location: Rochester, New York.
Date: August 15, 2023.
Description: Looking southeast up the vegetated drainage swale and at the Bausch Memorial Bridge.



Title: Photograph 18.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Wetland determination plot 4U.



Title: Photograph 19.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking northwest at an unused structure and old field areas in the RG&E property.



Title: Photograph 20.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking northwest at the forested banks of the Genesee River.



Title: Photograph 21.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking northeast at the steep forested banks of the Genesee River in the NYS-owned property.



Title: Photograph 22.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking northwest down the vegetated drainage swale.



Title: Photograph 23.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Looking southeast at the Municipal ROW beneath the Bausch Memorial Bridge.



Title: Photograph 24.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Wetland determination plot 1U.



Title: Photograph 25.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Soil sample taken at wetland determination plot 1U.



Title: Photograph 26.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Wetland determination plot 2U.



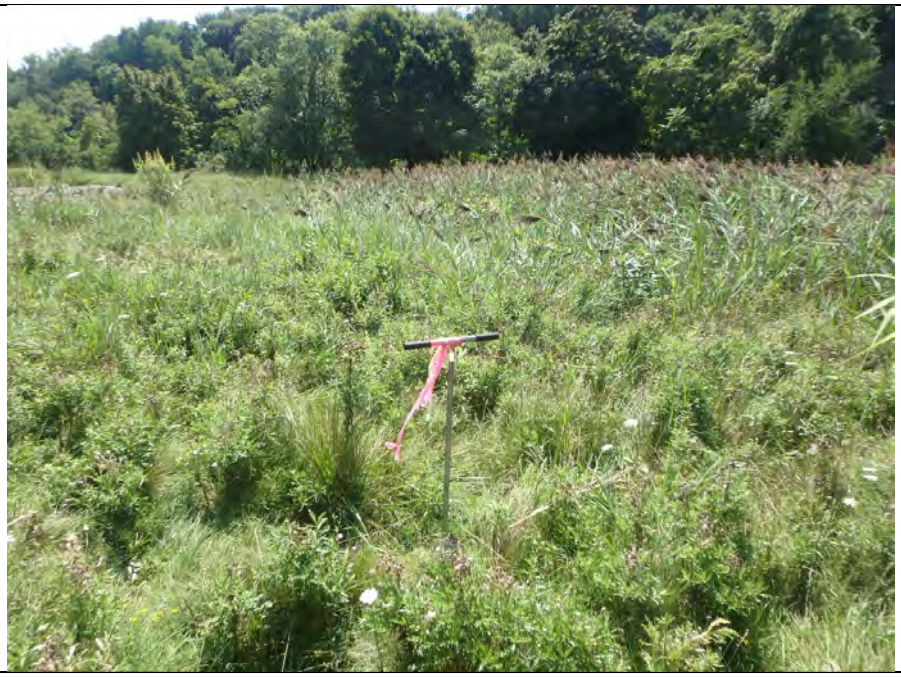
Title: Photograph 27.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Soil sample taken at wetland determination plot 2U.



Title: Photograph 28.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Wetland determination plot 3U.



Title: Photograph 29.
Location: Rochester, New York.
Date: August 14, 2023.
Description: Soil sample taken at wetland determination plot 3U.



Title: Photograph 30.
Location: Rochester, New York.
Date: August 16, 2023.
Description: Wetland determination plot 4U.



Title: Photograph 31.
Location: Rochester, New York.
Date: August 16, 2023.
Description: Soil sample taken at wetland determination plot 4U.



Title: Photograph 32.
Location: Rochester, New York.
Date: August 29, 2024.
Description: The OHWM is shown clearly in the absence of persistent vegetation along the rip rap shoreline.



Title: Photograph 33.
Location: Rochester, New York.
Date: August 29, 2024.
Description: The OHWM is shown in the absence of vegetation, and the scouring removal of soil around tree roots.



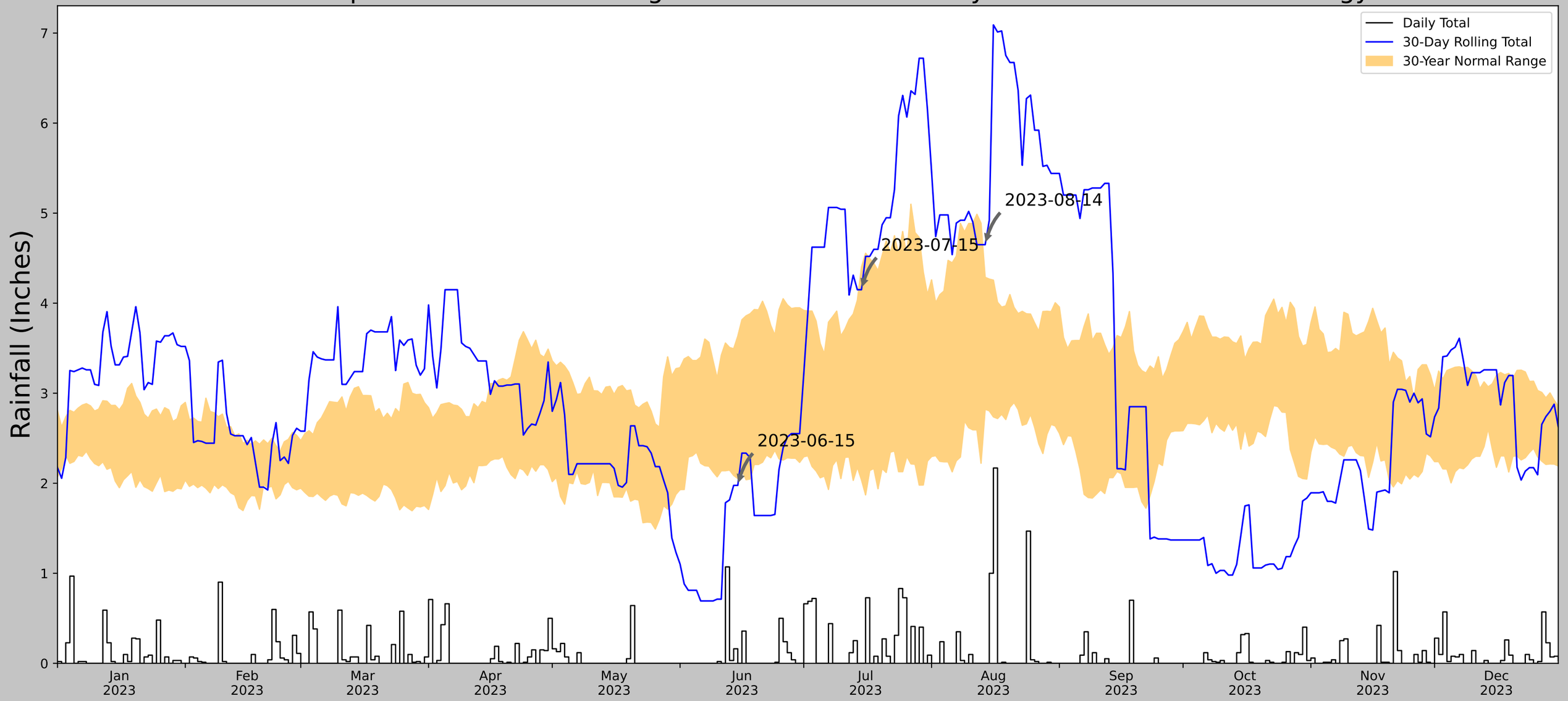
Title: Photograph 34.
Location: Rochester, New York.
Date: August 29, 2024.
Description: The OHWM is shown in the erosion of riprap banks.



Title: Photograph 35.
Location: Rochester, New York.
Date: August 29, 2024.
Description: The OHWM is shown clearly in shelving along scoured edges, sparse vegetation, and exposed roots.

APPENDIX G USACE ANTECEDENT PRECIPITATION TOOL

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	43.168056, -77.620413
Observation Date	2023-08-14
Elevation (ft)	410.144
Drought Index (PDSI)	Moderate wetness
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-14	2.822047	4.287008	4.649606	Wet	3	3	9
2023-07-15	2.037008	4.401969	4.149606	Normal	2	2	4
2023-06-15	2.052756	3.633858	1.976378	Dry	1	1	1
Result							Normal Conditions - 14

US Army Corps of Engineers

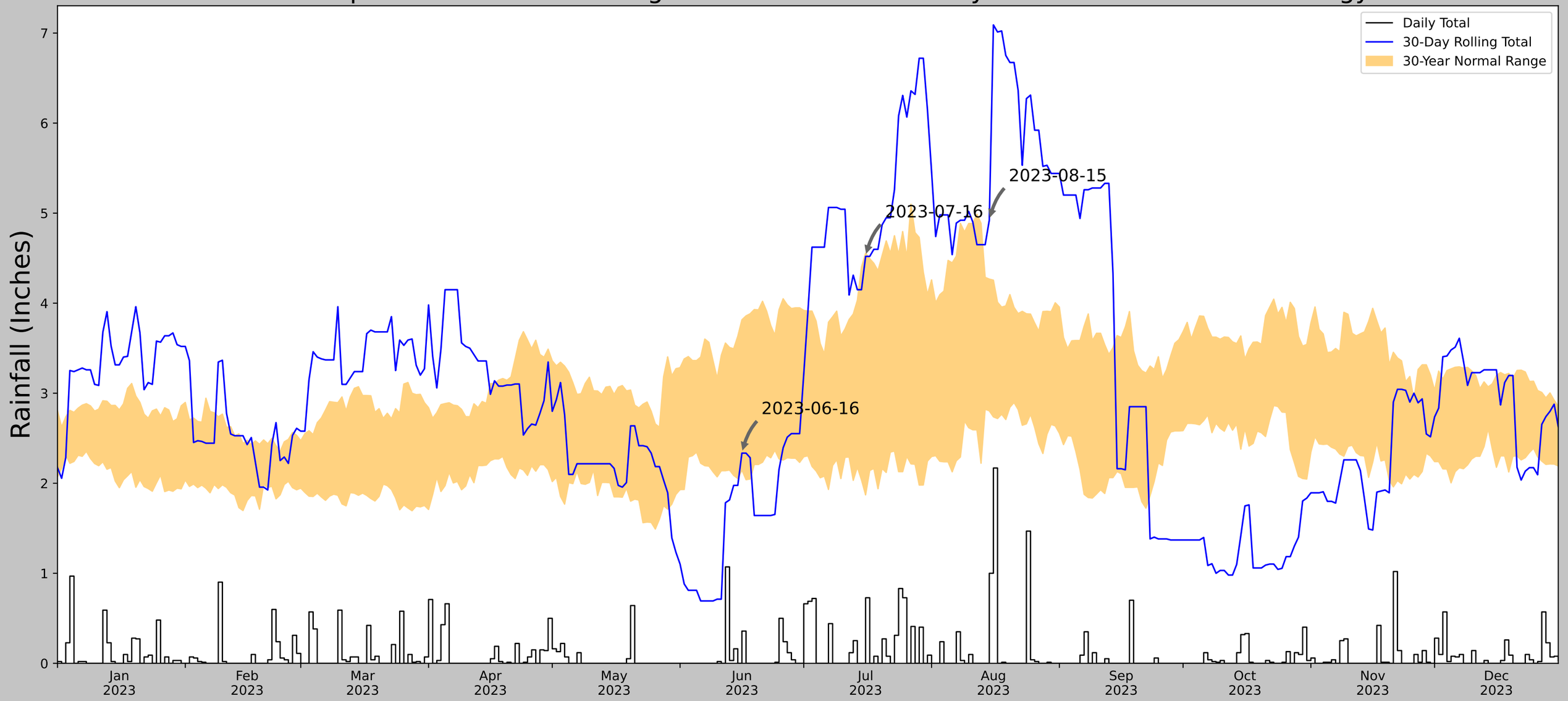
ERDC

Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Developed by: U.S. Army Corps of Engineers and U.S. Army Engineer Research and Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCHESTER GTR INTL	43.1172, -77.6753	540.026	4.473	129.882	2.594	11353	90

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	43.168056, -77.620413
Observation Date	2023-08-15
Elevation (ft)	410.144
Drought Index (PDSI)	Moderate wetness
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-15	2.804331	4.267717	4.92126	Wet	3	3	9
2023-07-16	1.870079	4.555118	4.519685	Normal	2	2	4
2023-06-16	2.147244	3.815748	2.334646	Normal	2	1	2
Result							Wetter than Normal - 15

US Army Corps of Engineers

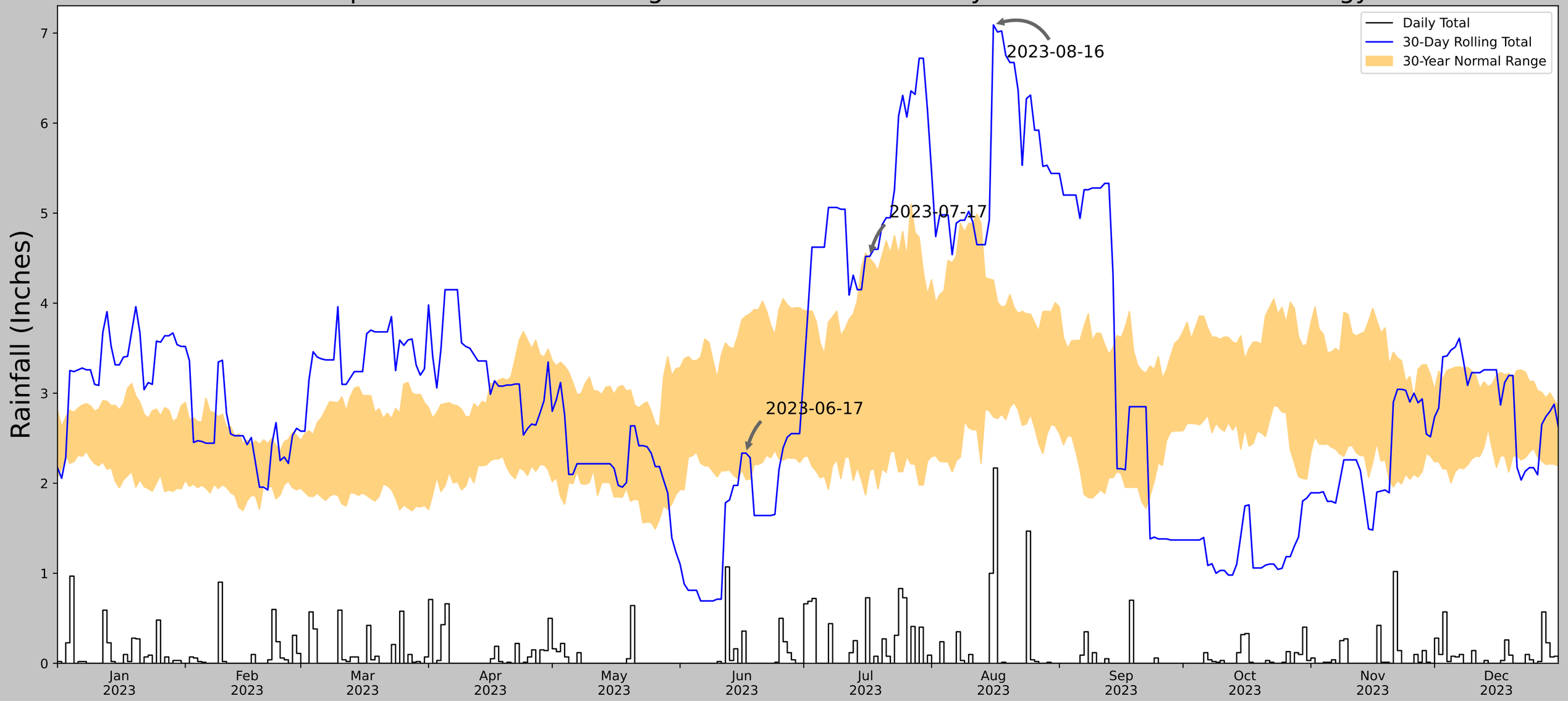
ERDC

Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Developed by: U.S. Army Corps of Engineers and U.S. Army Engineer Research and Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCHESTER GTR INTL	43.1172, -77.6753	540.026	4.473	129.882	2.594	11353	90

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	43.168056, -77.620413
Observation Date	2023-08-16
Elevation (ft)	410.144
Drought Index (PDSI)	Moderate wetness
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-16	2.737008	4.255906	7.090551	Wet	3	3	9
2023-07-17	2.142126	4.494095	4.519685	Wet	3	2	6
2023-06-17	2.03937	3.859055	2.334646	Normal	2	1	2
Result							Wetter than Normal - 17

US Army Corps of Engineers

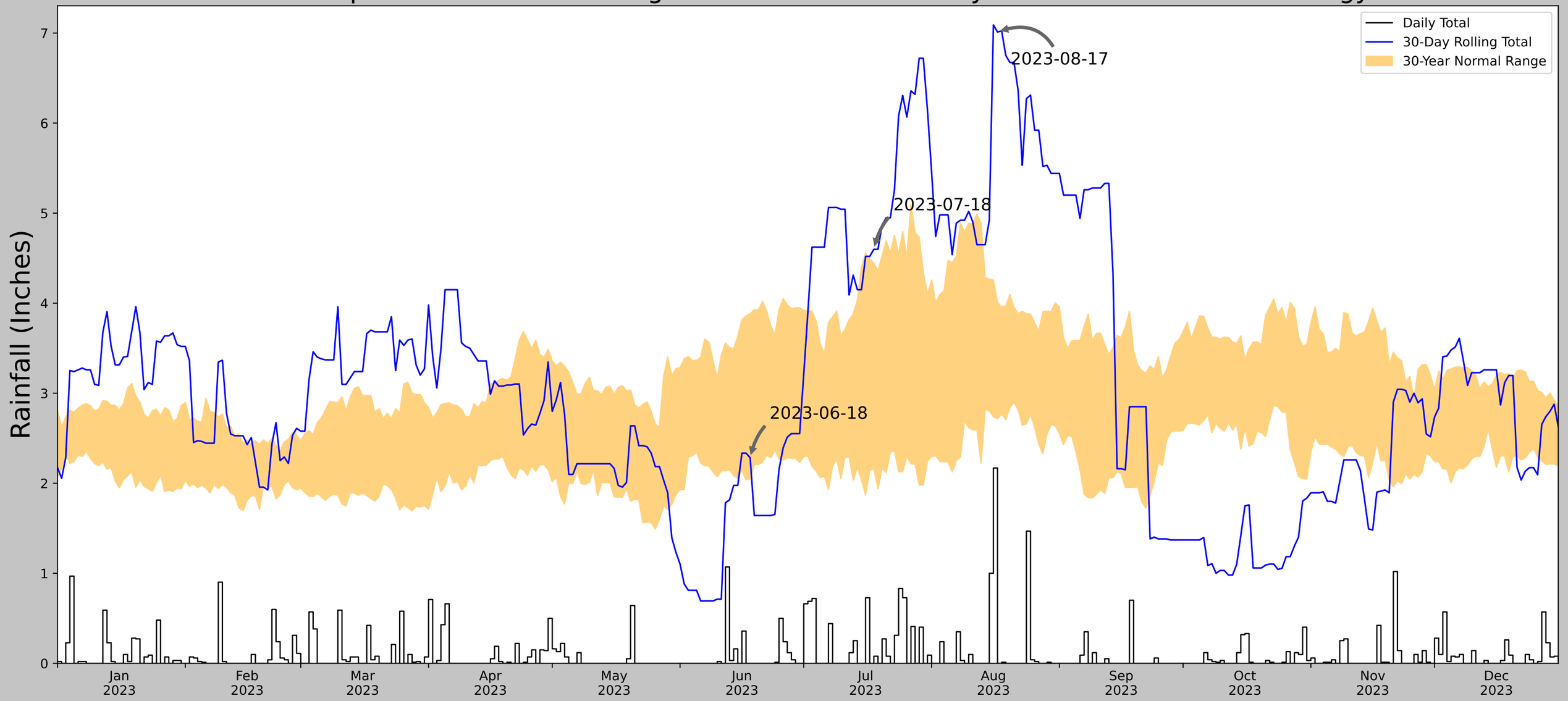
Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Developed by: U.S. Army Corps of Engineers and U.S. Army Engineer Research and Development Center

ERDC

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCHESTER GTR INTL	43.1172, -77.6753	540.026	4.473	129.882	2.594	11353	90

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	43.168056, -77.620413
Observation Date	2023-08-17
Elevation (ft)	410.144
Drought Index (PDSI)	Moderate wetness
WebWIMP H_2O Balance	Dry Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-08-17	2.718504	4.01063	7.011811	Wet	3	3	9
2023-07-18	2.164173	4.443307	4.598425	Wet	3	2	6
2023-06-18	2.047244	3.882677	2.283465	Normal	2	1	2
Result							Wetter than Normal - 17

US Army Corps of Engineers

Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Developed by: U.S. Army Corps of Engineers and U.S. Army Engineer Research and Development Center

ERDC

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ROCHESTER GTR INTL	43.1172, -77.6753	540.026	4.473	129.882	2.594	11353	90

APPENDIX H PLANT OBSERVATION LIST

APPENDIX H
VEGETATION OBSERVATION LIST
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Scientific Name[1]	Common Name	State Status	Federal Status	Nativity[1]	State Rarity[2]	Global Rarity[2]
Impervious Surface						
Subdominant Species[3]						
Calystegia sepium	Hedge bindweed	Unlisted	Unlisted	Native	SNR	G5
Cichorium intybus	Chicory	Unlisted	Unlisted	Non-native	SNA	GNR
Juncus tenuis	Path rush	Unlisted	Unlisted	Native	S5	G5
Lotus corniculatus	Common bird's foot trefoil	Unlisted	Unlisted	Non-Native	SNA	GNR
Lysimachia arvensis	Scarlet pimpernel	Unlisted	Unlisted	Non-Native	SNA	GNR
Phytolocca americana	Common pokeweed	Unlisted	Unlisted	Native	S5	G5
Silene latifolia	White campion	Unlisted	Unlisted	Non-native	SNA	GNR
Old Field						
Dominant Species						
Artemisia vulgaris	Mugwort	Unlisted	Unlisted	Non-Native	SNA	GNR
Centaurea nigra	Black knapweed	Unlisted	Unlisted	Non-Native	SNA	GNR
Phleum pratense	Common Timothy	Unlisted	Unlisted	Non-Native	SNA	GNR
Poa sp.	Turf grass	Unlisted	Unlisted	Unknown	Unknown	Unknown
Vicia cracca	Tufted vetch	Unlisted	Unlisted	Non-Native	SNA	SNR
Subdominant Species						
Ailanthus altissima	Tree of heaven	Unlisted	Unlisted	Non-Native	SNA	GNR
Asclepias syriaca	Common milkweed	Unlisted	Unlisted	Native	S5	G5
Cirsium vulgare	Bull thistle	Unlisted	Unlisted	Non-Native	SNA	GNR
Clinopodium vulgare	Wild basil	Unlisted	Unlisted	Unknown	S3	G5
Daucus carota	Queen Anne's lace	Unlisted	Unlisted	Non-Native	SNA	GNR
Dianthus armeria	Deptford pink	Unlisted	Unlisted	Non-Native	SNA	GNR
Dipsacus fullonum	Wild teasel	Unlisted	Unlisted	Non-Native	SNA	GNR
Elymus virginicus	Virginia wild rye	Unlisted	Unlisted	Native	S5	G5
Leucanthemum vulgare	Oxeye daisy	Unlisted	Unlisted	Non-Native	SNA	GNR
Linaria vulgaris	Butter and eggs	Unlisted	Unlisted	Non-Native	SNA	GNR
Lotus corniculatus	Common bird's foot trefoil	Unlisted	Unlisted	Non-Native	SNA	GNR
Medicago lupulina	Black medic	Unlisted	Unlisted	Non-Native	SNA	GNR
Melilotus albus	White sweet clover	Unlisted	Unlisted	Non-Native	SNA	G5
Melilotus officinalis	Yellow sweet clover	Unlisted	Unlisted	Non-Native	SNA	GNR
Nepeta cataria	Common catnip	Unlisted	Unlisted	Non-Native	SNA	GNR
Oxalis stricta	Common yellow wood sorrel	Unlisted	Unlisted	Native	S5	G5
Phytolocca americana	Common pokeweed	Unlisted	Unlisted	Native	S5	G5
Picris hieracioides	Hawkweed oxtongue	Unlisted	Unlisted	Non-Native	SNA	G5
Plantago lanceolata	English plantain	Unlisted	Unlisted	Non-Native	SNA	G5
Plantago major	Common plantain	Unlisted	Unlisted	Non-Native	SNA	G5
Robinia pseudoacacia	Black locust	Unlisted	Unlisted	Non-Native	SNA	G5
Rubus occidentalis	Black raspberry	Unlisted	Unlisted	Native	S5	G5
Securigera varia	Crown vetch	Unlisted	Unlisted	Non-Native	SNA	GNR
Solidago canadensis	Canada goldenrod	Unlisted	Unlisted	Native	S5	G5
Thuja occidentalis	Northern white cedar	Unlisted	Unlisted	Native	S5	G5
Ulmus pumila	Siberian elm	Unlisted	Unlisted	Non-native	SNA	GNR
Verbascum blattaria	Moth mullein	Unlisted	Unlisted	Non-Native	SNA	GNR
Verbascum thapsus	Common mullein	Unlisted	Unlisted	Non-Native	SNA	GNR
Verbena urticifolia	White vervain	Unlisted	Unlisted	Native	S5	G5
Urban Forest						
Dominant Species						
Acer negundo	Boxelder	Unlisted	Unlisted	Native	S5	G5
Ageratina altissima	Common white snakeroot	Unlisted	Unlisted	Native	S5	G5
Ailanthus altissima	Tree of heaven	Unlisted	Unlisted	Non-Native	SNA	GNR
Robinia pseudoacacia	Black locust	Unlisted	Unlisted	Non-Native	SNA	G5
Subdominant Species						
Catalpa speciosa	Northern catalpa	Unlisted	Unlisted	Non-Native	SNA	G4
Acer platanoides	Norway maple	Unlisted	Unlisted	Non-Native	SNA	GNR
Artemisia vulgaris	Mugwort	Unlisted	Unlisted	Non-Native	SNA	GU
Celastrus orbiculatus	Oriental bittersweet	Unlisted	Unlisted	Non-native	SNA	GNR
Celtis occidentalis	Northern hackberry	Unlisted	Unlisted	Native	S5	G5
Crataegus sp.	Hawthorn	Unknown	Unknown	Unknown	Unknown	Unknown
Linaria vulgaris	Butter and eggs	Unlisted	Unlisted	Non-Native	SNA	GNR
Parthenocissus quinquefolia	Virginia creeper	Unlisted	Unlisted	Native	S5	G5
Populus deltoides	Eastern cottonwood	Unlisted	Unlisted	Native	S4	G5
Rhamnus cathartica	European buckthorn	Unlisted	Unlisted	Non-Native	SNA	GNR
Rosa multiflora	Multiflora rose	Unlisted	Unlisted	Non-native	SNA	GNR
Vitis riparia	Riverbank grape	Unlisted	Unlisted	Native	S5	G5

Scientific Name[1]	Common Name	State Status	Federal Status	Nativity[1]	State Rarity[2]	Global Rarity[2]
Drainage Swale						
Dominant Species						
Poa sp.	Turf grass	Unlisted	Unlisted	Unknown	Unknown	Unknown
Cirsium arvense	Canada thistle	Unlisted	Unlisted	Non-Native	SNA	GNR
Daucus carota	Queen Anne's lace	Unlisted	Unlisted	Non-Native	SNA	GNR
Phleum pratense	Common Timothy	Unlisted	Unlisted	Non-Native	SNA	GNR
Phragmites australis	Common reed	Unlisted	Unlisted	Non-Native	SNA	G5
Subdominant Species						
Verbascum thapsus	Common mullein	Unlisted	Unlisted	Non-Native	SNA	GNR
Artemisia vulgaris	Mugwort	Unlisted	Unlisted	Non-Native	SNA	GU
Asclepias incarnata	Swamp milkweed	Unlisted	Unlisted	Native	S5	G5
Asclepias syriaca	Common milkweed	Unlisted	Unlisted	Native	S5	G5
Bidens frondosa	Devil's beggartick	Unlisted	Unlisted	Native	S5	G5
Buddleja sp.	Butterfly bush	Unknown	Unknown	Non-native	Unknown	Unknown
Cirsium vulgare	Bull thistle	Unlisted	Unlisted	Non-Native	SNA	GNR
Cuscuta sp.	Dodder	Unknown	Unknown	Unknown	Unknown	Unknown
Dipsacus fullonum	Wild teasel	Unlisted	Unlisted	Non-Native	SNA	GNR
Lepidium virginicum	Wild pepperweed	Unlisted	Unlisted	Native	S5	G5
Leucanthemum vulgare	Oxeye daisy	Unlisted	Unlisted	Non-Native	SNA	GNR
Linaria vulgaris	Butter and eggs	Unlisted	Unlisted	Non-Native	SNA	GNR
Phalaris arundinacea	Reed canary grass	Unlisted	Unlisted	Native	S4	G5
Phragmites australis	Common reed	Unlisted	Unlisted	Non-Native	SNA	G5
Rubus allegheniensis	Common blackberry	Unlisted	Unlisted	Native	S5	G5
Rumex crispus	Curly dock	Unlisted	Unlisted	Non-Native	SNA	GNR
Solanum carolinense	Carolina horse-nettle	Unlisted	Unlisted	Native	S5	G5
Solanum dulcamara	Bitter-sweet nightshade	Unlisted	Unlisted	Non-Native	SNA	GNR
Solidago canadensis	Canada goldenrod	Unlisted	Unlisted	Native	S5	G5
Tanacetum vulgare	Common tansy	Unlisted	Unlisted	Non-native	SNA	GNR
Tragopogon sp.	Salsify	Unknown	Unknown	Non-native	Unknown	Unknown
Verbascum blattaria	Moth mullein	Unlisted	Unlisted	Non-Native	SNA	GNR
Verbena urticifolia	White vervain	Unlisted	Unlisted	Native	S5	G5
Confined River						
Dominant Species						
Acer negundo	Boxelder	Unlisted	Unlisted	Native	S5	G5
Ailanthus altissima	Tree of heaven	Unlisted	Unlisted	Non-Native	SNA	GNR
Celastrus orbiculatus	Oriental bittersweet	Unlisted	Unlisted	Non-native	SNA	GNR
Phalaris arundinacea	Reed canary grass	Unlisted	Unlisted	Native	S4	G5
Salix x fragilis	Hybrid crack willow	Unlisted	Unlisted	Non-native	SNA	GNR
Toxicodendron radicans	Eastern poison ivy	Unlisted	Unlisted	Native	S5	G5
Subdominant Species						
Alnus glutinosa	European alder	Unlisted	Unlisted	Non-native	SNA	GNR
Berberis thunbergii	Japanese barberry	Unlisted	Unlisted	Non-native	SNA	GNR
Boehmeria cylindrica	False nettle	Unlisted	Unlisted	Native	S5	G5
Leersia oryzoides	Rice cut grass	Unlisted	Unlisted	Native	S5	G5
Lonicera sp.	Honeysuckle	Unknown	Unknown	Non-Native	Unknown	Unknown
Lythrum salicaria	Purple loosestrife	Unlisted	Unlisted	Non-Native	SNA	G5
Persicaria lapathifolia	Dock-leaved smartweed	Unlisted	Unlisted	Native	SNR	G5
Pilea pumila	Green-fruited clearweed	Unlisted	Unlisted	Native	S5	G5
Typha x glauca	Hybrid cattail	Unlisted	Unlisted	Native	SNA	GNA
Urtica dioica	European stinging nettle	Unlisted	Unlisted	Non-native	SNA	G5
Vinca minor	Common periwinkle	Unlisted	Unlisted	Non-native	SNA	GNR
Vincetoxicum nigrum	Black swallowwort	Unlisted	Unlisted	Non-Native	SNA	GNR
Vitis riparia	Riverbank grape	Unlisted	Unlisted	Native	S5	G5
Municipal Right of Way						
Subdominant Species[3]						
Ailanthus altissima	Tree of heaven	Unlisted	Unlisted	Non-Native	SNA	GNR
Artemisia vulgaris	Mugwort	Unlisted	Unlisted	Non-Native	SNA	GNR
Linaria vulgaris	Butter and eggs	Unlisted	Unlisted	Non-Native	SNA	GNR
Lotus corniculatus	Common bird's foot trefoil	Unlisted	Unlisted	Non-Native	SNA	GNR
Medicago lupulina	Black medic	Unlisted	Unlisted	Non-Native	SNA	GNR
Robinia pseudoacacia	Black locust	Unlisted	Unlisted	Non-Native	SNA	G5
Forested Riparian						
Dominant Species						
Acer negundo	Boxelder	Unlisted	Unlisted	Native	S5	G5
Acer platanoides	Norway maple	Unlisted	Unlisted	Non-Native	SNA	GNR
Ailanthus altissima	Tree of heaven	Unlisted	Unlisted	Non-Native	SNA	GNR
Celastrus orbiculatus	Oriental bittersweet	Unlisted	Unlisted	Non-native	SNA	GNR
Toxicodendron radicans	Eastern poison ivy	Unlisted	Unlisted	Native	S5	G5
Vitis riparia	Riverbank grape	Unlisted	Unlisted	Native	S5	G5
Subdominant Species						
Elaeagnus angustifolia	Russian olive	Unlisted	Unlisted	Non-Native	SNA	GNR
Equisetum hyemale	Rough horsetail	Unlisted	Unlisted	Native	SNR	G5

Scientific Name[1]	Common Name	State Status	Federal Status	Nativity[1]	State Rarity[2]	Global Rarity[2]
Erechtites hieraciifolius	Common pilewort	Unlisted	Unlisted	Native	S5	G5
Fraxinus pennsylvanica	Green ash	Unlisted	Unlisted	Native	S5	G5
Fraxinus pennsylvanica	Green ash	Unlisted	Unlisted	Native	S5	G5
Morus alba	White mulberry	Unlisted	Unlisted	Non-Native	SNA	GNR
Platanus occidentalis	Eastern sycamore	Unlisted	Unlisted	Native	S5	G5
Rhus typhina	Staghorn sumac	Unlisted	Unlisted	Native	S5	G5
Rubus laciniatus	Cut-leaved blackberry	Unlisted	Unlisted	Non-native	SNA	GU
Tragopogon sp.	Salsify	Unknown	Unknown	Non-native	Unknown	Unknown
Verbena hastata	Blue vervain	Unlisted	Unlisted	Native	S5	G5
Vincetoxicum nigrum	Black swallowwort	Unlisted	Unlisted	Non-Native	SNA	GNR

[1] Scientific names and nativity follow the USDA Plant Database (USDA 2023b)

[2] State and Global Rarity follow the Natureserve database (Natureserve 2023). See **Table D.2** for a key to state and global rarity status.

[3] The impervious surface areas and municipal right of way do not have a dominant vegetation type and are largely bare. The subdominant species are found growing along edges, through cracks, holes, etc.

APPENDIX I WILDLIFE OBSERVATION LIST

APPENDIX I
WILDLIFE OBSERVATION LIST
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Scientific Name	Common Name	Quantity	Observation Type	Ecological Community
Mammals				
Castor canadensis	Beaver	1	Sign	Confined River
Odocoileus virginianus	White-tailed deer	5	Visual	Old Field
Procyon lotor	Raccoon	1	Sign	Old Field
Tamias striatus	Chipmunk	1	Visual	Forested Riparian
Birds				
Branta canadensis	Canada Goose	5	Visual	Confined River
Cardinalis cardinalis	Northern cardinal	1	Auditory	Old Field
Cathartes aura	Turkey Vulture	2	Visual	NA, flying overhead
Colaptes auratus	Northern Flicker	1	Auditory	Old Field
Corvus brachyrhynchos	American crow	2	Auditory	Urban Forest
Dryobates pubescens	Downy Woodpecker	1	Visual	Urban Forest
Dumetella carolinensis	Gray Catbird	2	Auditory	Urban Forest
Icterus galbula	Baltimore Oriole	1	Visual	Urban Forest
Meleagris gallopavo	Wild Turkey	5	VIsual	Old Field
Thryothorus ludovicianus	Carolina Wren	1	Auditory	Old Field
Macroinvertebrates				
Ancyloxypha numitor	Least Skipper	1	Visual	Old Field
Apis sp.	Honey bee	2	Visual	Old Field
Bombus sp.	Bumblebee	2	Visual	Old Field
Cepaea sp.	Garden snail	1	Visual	Old Field
Cicadidae	Cicada	1	Sign	Old Field
Coccinellidae	Ladybug	1	Visual	Old Field
Danaus plexippus	Monarch butterfly	2	Visual	Old Field, Drainage Swale
Grylloidea	Cricket	1	Visual	Old Field
Limenitis archippus	Viceroy	2	Visual	Old Field

APPENDIX J POTENTIAL BAT ROOST SURVEY DATA FORMS

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T1	*Ailanthus altissima*	No	8.9	25	E	
T2	*Acer negundo*	No	5.6	20	E	
T3	*Malus* sp.	No	9.1	20	E	
T4	*Ailanthus altissima*	No	4.3	25	E	A clonal stand of 4 stems, up to 4.3 inches DBH
T5	*Ailanthus altissima*	No	7.8	25	E	
T6	*Ailanthus altissima*	No	5.3	25	E	
T7	*Ailanthus altissima*	No	7.6	20	E	
T8	*Ailanthus altissima*	No	8.8	25	E	
T9	*Ailanthus altissima*	No	5.1	20	E	A clonal stand of 7 stems, up to 5.1 inches DBH
T10	*Ailanthus altissima*	No	5.3	20	G	
T11	*Ailanthus altissima*	No	5.6	15	G	
T12	*Ailanthus altissima*	No	8.1	30	E	A clonal stand of 2 stems, up to 8.1 inches DBH
T13	*Acer platanoides*	No	9.6	30	E	Six trunks
T14	*Acer negundo*	No	11.0	30	E	
T15	*Ailanthus altissima*	No	10.0	30	E	A clonal stand of 4 stems, up to 10 inches DBH
T16	*Ailanthus altissima*	No	8.8	30	E	
T17	*Ailanthus altissima*	No	9.2	30	E	
T18	*Ailanthus altissima*	No	14.8	35	E	
T19	*Ailanthus altissima*	No	7.6	35	E	A clonal stand of 2 stems, up to 7.6 inches DBH
T20	*Ailanthus altissima*	No	5.9	20	E	
T21	*Ailanthus altissima*	No	6.7	25	E	A clonal stand of 3 stems, up to 6.7 inches DBH
T22	*Robinia pseudoacacia*	No	7.5	35	E	
T23	*Robinia pseudoacacia*	No	7.3	30	E	
T24	*Acer negundo*	No	14.6	30	E	
T25	*Robinia pseudoacacia*	No	8.6	40	E	
T26	*Robinia pseudoacacia*	No	9.2	45	E	
T27	*Robinia pseudoacacia*	No	7.2	30	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T28	*Robinia pseudoacacia*	No	9.2	40	E	
T29	*Robinia pseudoacacia*	No	9.1	50	E	Two trunks
T30	*Ailanthus altissima*	No	12.7	50	E	
T31	*Ailanthus altissima*	No	15.0	50	E	
T32	*Robinia pseudoacacia*	No	11.5	40	E	
T33	*Acer negundo*	No	17.2	30	E	
T34	*Ailanthus altissima*	No	12.4	50	E	
T35	*Celtis occidentalis*	No	12.4	45	E	
T36	*Celtis occidentalis*	No	14.6	40	E	
T37	*Celtis occidentalis*	No	15.3	45	E	
T38	*Ailanthus altissima*	No	9.2	35	E	
T39	*Ailanthus altissima*	No	9.5	35	E	
T40	*Robinia pseudoacacia*	No	14.0	60	E	
T41	*Robinia pseudoacacia*	No	8.0	40	E	
T42	*Populus deltoides*	No	9.5	30	E	
T43	*Robinia pseudoacacia*	No	12.7	40	E	
T44	*Populus deltoides*	No	9.9	40	E	
T45	*Populus deltoides*	No	11.1	40	E	
T46	*Populus deltoides*	No	11.1	50	E	
T47	*Populus deltoides*	No	12.4	50	E	
T48	*Robinia pseudoacacia*	No	5.4-9.9	20	E	A clonal stand of 18 trees, 5.4-9.9 inches DBH
T49	*Populus deltoides*	No	5.1-8.9	20	E	A clonal stand of 15-20 trees, 5.1-8.9 inches DBH
T50	*Ailanthus altissima*	No	8.0	20	E	
T51	*Populus deltoides*	No	12.1	25	E	
T52	*Populus deltoides*	No	11.1	25	E	
T53	*Populus deltoides*	No	9.2	25	E	
T54	*Populus deltoides*	No	11.3	25	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T55	*Populus deltoides*	No	12.3	30	E	
T56	*Populus deltoides*	No	3.5-5.5	25	E	A clonal stand of approximately 50 trees, 3.5-5.5 inches DBH
T57	*Populus deltoides*	No	10.2	35	E	
T58	*Populus deltoides*	No	8.9	35	E	
T59	*Robinia pseudoacacia*	No	10.5	30	E	
T60	*Populus deltoides*	No	14.8	35	E	
T61	*Populus deltoides*	No	9.8	25	E	
T62	*Populus deltoides*	No	11.0	30	E	
T63	*Populus deltoides*	No	8.0	30	E	
T64	*Robinia pseudoacacia*	No	6.4	35	E	
T65	*Robinia pseudoacacia*	No	11.8	35	E	
T66	*Ailanthus altissima*	No	5.4-9.4	20	E	A clonal stand of 15 trees, 5.4-9.4 inches DBH
T67	*Populus deltoides*	No	9.2	20	E	
T68	*Populus deltoides*	No	17.8	25	E	
T69	*Populus deltoides*	No	19.4	35	E	
T70	*Ulmus pumila*	No	17.5	50	E	
T71	*Populus deltoides*	No	20.4	45	E	
T72	*Thuja occidentalis*	No	3.5-8.0	20	F	Planted row of 25 small trees, 3.5-8.0 inches DBH
T73	*Tilia cordata*	No	27.2	25	G	
T74	*Acer saccharum*	No	18.1	30	E	
T75	*Acer platanoides*	No	18.8	30	E	
T76	*Tilia cordata*	No	19.6	30	E	
T77	*Ailanthus altissima*	No	13.1	30	E	
T78	*Ulmus pumila*	No	9.1	20	E	
T79	*Elaeagnus angustifolia*	No	4.3	15	E	
T80	*Catalpa speciosa*	No	7.3	20	E	
T81	*Catalpa speciosa*	No	7.0	20	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T82	*Elaeagnus angustifolia*	No	8.3	20	E	
T83	*Elaeagnus angustifolia*	No	10.5	20	E	
T84	*Ailanthus altissima*	No	8.0	25	P	Vines
T85	*Ailanthus altissima*	No	5.4	20	P	Vines
T86	*Gleditsia triacanthos*	No	4.8	15	P	Vines
T87	*Gleditsia triacanthos*	No	6.0	20	F	
T88	*Gleditsia triacanthos*	No	13.4	20	E	
T89	*Gleditsia triacanthos*	No	13.1	25	E	
T90	*Acer negundo*	No	19.7	30	F	Vines
T91	*Acer negundo*	No	6.7	15	G	
T92	*Ailanthus altissima*	No	6.7	25	E	
T93	*Acer negundo*	No	5.7	20	E	
T94	*Ailanthus altissima*	No	3.5-7.5	20	E	A clonal stand of 10 stems, 3.5-7.5 inches DBH
T95	*Acer negundo*	No	8.0	20	E	3 trunks
T96	*Ailanthus altissima*	No	10.5	20	G	
T97	*Populus deltoides*	No	16.2	50	E	2 trunks
T98	*Populus deltoides*	No	18.5	50	E	3 trunks
T99	*Populus deltoides*	No	20.7	50	E	
T100	*Populus deltoides*	No	17.5	50	E	4 trunks
T101	*Ailanthus altissima*	No	6.7	40	E	
T102	*Elaeagnus angustifolia*	No	16.9	15	P	Main stem broken
T103	*Ailanthus altissima*	No	10.8	20	E	
T104	*Elaeagnus angustifolia*	No	14.3	35	E	
T105	*Elaeagnus angustifolia*	No	11.5	25	E	
T106	*Morus alba*	No	14.0	30	E	
T107	*Acer negundo*	No	10.2	20	E	Leaning over trash dumping area
T108	*Acer negundo*	No	12.7	15	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T109	*Ailanthus altissima*	No	8.3	20	E	
T110	*Acer negundo*	No	25.1	40	E	
T111	*Acer negundo*	No	29.6	50	E	
T112	*Acer negundo*	No	18.8	40	E	
T113	*Acer negundo*	No	18.8	40	E	
T114	*Acer negundo*	No	25.8	50	E	
T115	*Acer negundo*	No	21.2	50	E	
T116	*Acer negundo*	No	26.4	40	E	
T117	*Acer negundo*	No	10.3	15	G	Vines
T118	*Acer negundo*	No	14.3	25	G	Vines
T119	*Acer negundo*	No	26.4	45	G	Vines
T120	*Elaeagnus angustifolia*	No	8.3	30	E	
T121	*Ailanthus altissima*	No	2.9-5.4	25	E	A clonal stand of 6 stems, 2.9-5.4 inches DBH
T122	*Ailanthus altissima*	No	4.5	20	E	
T123	*Elaeagnus angustifolia*	No	8.9	15	G	
T124	*Gleditsia triacanthos*	No	6.7	30	E	A clonal stand of 4 stems, up to 6.7 inches DBH
T125	*Elaeagnus angustifolia*	No	10.5	30	E	
T126	*Rhamnus cathartica*	No	10.7	25	E	
T127	*Catalpa speciosa*	No	8.9	30	E	Growing into fence
T128	*Ailanthus altissima*	No	8.6	25	E	
T129	*Ailanthus altissima*	No	7.5	20	E	Growing into fence
T130	*Ailanthus altissima*	No	13.7	35	E	
T131	*Populus deltoides*	No	22.3	60	E	4 trunks
T132	*Populus deltoides*	No	15.9	50	E	5 trunks
T133	*Populus deltoides*	No	14.6	40	E	3 trunks
T134	*Populus deltoides*	No	13.4	50	E	
T135	*Populus deltoides*	No	6.0	30	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T136	*Populus deltoides*	No	12.1	45	E	
T137	*Ailanthus altissima*	No	8.6	25	G	Vines
T138	*Robinia pseudoacacia*	No	22.6	35	E	
T139	*Populus deltoides*	No	15.9	45	E	
T140	*Populus deltoides*	No	6.0-17.5	40	E	A clonal stand of 4 stems, 6.0-17.5 inches DBH
T141	*Populus deltoides*	No	14.0	50	E	A clonal stand of 3 stems, up to 14.0 inches DBH
T142	*Populus deltoides*	No	16.6	45	E	
T143	*Populus deltoides*	No	17.8	45	E	
T144	*Populus deltoides*	No	13.4	50	G	One of two main trunks broken
T145	*Populus deltoides*	No	33.7	60	E	
T146	*Populus deltoides*	No	17.2	40	E	
T147	*Populus deltoides*	No	26.1	45	E	
T148	*Ailanthus altissima*	No	3.5-8.0	20	E	A clonal stand of 20 stems, 3.5-8.0 inches DBH
T149	*Elaeagnus angustifolia*	No	5.4	20	E	
T150	*Populus deltoides*	No	10.8-22.0	50	E	A clonal stand of 3 stems, 10.8-22.0 inches DBH
T151	*Populus deltoides*	No	20.8	40	E	
T152	*Populus deltoides*	No	14.6	40	E	
T153	*Robinia pseudoacacia*	No	16.9	35	E	
T154	*Robinia pseudoacacia*	No	6.0	20	E	A clonal stand of 2 stems, up to 6.0 inches DBH
T155	*Ailanthus altissima*	No	14.0	20	E	Two stems intertwined
T156	*Ailanthus altissima*	No	9.4	25	E	
T157	*Ailanthus altissima*	No	4.1-10.2	25	E	A clonal stand of 5 stems, 4.1-10.2 inches DBH
T158	*Ailanthus altissima*	No	13.4	30	E	
T159	*Populus deltoides*	No	18.0	50	E	
T160	*Ailanthus altissima*	No	6.7	25	E	
T161	*Ailanthus altissima*	No	11.1	20	E	
T162	*Ailanthus altissima*	Yes	5.7	20	F	Loose exfoliating bark

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T163	*Ailanthus altissima*	No	12.1	20	F	
T164	*Ailanthus altissima*	No	6.7	20	F	
T165	*Ailanthus altissima*	No	4.6	15	G	A clonal stand of 4 stems, up to 4.6 inches DBH
T166	*Populus deltoides*	No	13.4-19.6	50	E	4 stems close together, 13.4-19.6 inches DBH
T167	*Ailanthus altissima*	No	4.8	25	E	A clonal stand of 4 stems, up to 4.8 inches DBH
T168	*Acer negundo*	No	6.7	25	E	
T169	*Populus deltoides*	No	22.3	60	G	Vines
T170	*Populus deltoides*	No	18.8	55	E	
T171	*Populus deltoides*	No	22.3	60	G	Vines
T172	*Ailanthus altissima*	Yes	8.1	25	P	Holes are present
T173	*Ailanthus altissima*	No	2.9-8.0	25	G	A clonal stand of 20 stems, 2.9-8.0 inches DBH
T174	*Salix fragilis*	No	26.7	50	E	4 trunks
T175	*Acer negundo*	No	8.0	10	P	Main stem broken
T176	*Acer platanoides*	No	15.4	45	E	Growing into fence
T177	*Acer negundo*	No	12.7	25	E	3 trunks
T178	*Acer negundo*	No	14.3	25	P	Vines
T179	*Ailanthus altissima*	No	5.3	15	F	
T180	*Ailanthus altissima*	No	7.5	20	F	
T181	*Acer negundo*	No	12.4	25	G	
T182	*Acer negundo*	No	6.4	20	G	Vines
T183	*Populus deltoides*	No	22.0	50	E	
T184	*Ailanthus altissima*	No	2.2-5.4	15	G	A clonal stand of 4 stems, 2.2-5.4 inches DBH
T185	*Acer negundo*	No	10.3	25	E	
T186	*Acer negundo*	No	19.7	30	E	
T187	*Ailanthus altissima*	No	5.7	25	G	A clonal stand of 2 stems, up to 5.7 inches DBH
T188	*Acer negundo*	No	7.0	25	G	Vines
T189	*Acer negundo*	No	8.3	25	G	Vines

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T190	*Acer negundo*	No	6.7	20	E	
T191	*Acer negundo*	No	8.3	15	P	
T192	*Acer negundo*	No	10.8	30	G	
T193	*Acer negundo*	No	5.1	15	G	
T194	*Elaeagnus angustifolia*	No	9.1	30	E	2 trunks
T195	*Ailanthus altissima*	No	10.2	35	G	
T196	*Ailanthus altissima*	No	9.7	35	E	A clonal stand of 5 stems, up to 9.7 inches DBH
T197	*Acer platanoides*	No	17.2	35	E	
T198	*Ailanthus altissima*	No	8.9	30	E	
T199	*Fraxinus sp.*	No	5.7	15	G	
T200	*Robinia pseudoacacia*	No	11.5	45	E	
T201	*Malus* sp.	No	9.1	30	E	Crabapple
T202	*Prunus avium*	No	5.4	30	G	Vines
T203	*Ailanthus altissima*	No	4.8	25	G	
T204	*Fraxinus sp.*	No	4.8	25	D	Covered in vines
T205	*Acer negundo*	No	5.4	20	F	
T206	*Rhamnus cathartica*	No	4.1	15	G	5 trunks
T207	*Ailanthus altissima*	No	6.4	35	E	
T208	*Ailanthus altissima*	No	12.4	35	E	
T209	*Acer negundo*	No	13.8	35	E	
T210	*Ailanthus altissima*	No	6.7	30	E	
T211	*Acer negundo*	No	5.1	20	G	2 trunks
T212	*Acer negundo*	No	5.1-7.6	20	E	3 trees very close, 5.1-7.6 inches DBH
T213	*Acer negundo*	No	4.1-7.0	30	P	2 trees very close, 4.1 and 7.0 inches DBH
T214	*Acer negundo*	No	5.7	20	G	
T215	*Acer negundo*	No	11.3	30	E	
T216	*Acer negundo*	No	5.1	20	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T217	*Acer negundo*	No	11.1	40	E	
T218	*Acer negundo*	No	4.8	25	E	
T219	*Acer negundo*	No	5.7	20	E	
T220	*Fraxinus sp.*	No	7.8	25	G	
T221	*Fraxinus sp.*	No	4.6	40	F	
T222	*Acer negundo*	Yes	11.8	15	P	Loose exfoliating bark, holes
T223	*Ailanthus altissima*	No	8.8	45	E	
T224	*Acer negundo*	No	8.9-10.2	30	E	Two trees very close, 8.9 and 10.2 inches DBH
T225	*Ailanthus altissima*	No	5.1	35	E	
T226	*Acer negundo*	No	15.0	35	E	
T227	*Fraxinus sp.*	No	6.8	30	D	2 trunks
T228	*Ailanthus altissima*	No	5.7	30	E	
T229	*Acer negundo*	No	5.4	25	E	
T230	*Acer negundo*	No	5.3	25	E	
T231	*Populus deltoides*	No	15.8	60	E	Growing into fence
T232	*Acer negundo*	No	9.5	25	E	
T233	*Ailanthus altissima*	No	5.7	30	E	
T234	*Populus deltoides*	No	15.3	60	E	
T235	*Populus deltoides*	No	18.0	60	E	
T236	*Ailanthus altissima*	No	8.4	40	E	3 trunks
T237	*Acer negundo*	No	13.7	35	E	
T238	*Catalpa speciosa*	No	5.4	25	G	2 trunks
T239	*Acer negundo*	No	9.7	20	G	3 trunks
T240	*Catalpa speciosa*	No	14.0	60	E	
T241	*Ailanthus altissima*	No	6.7	40	E	3 trunks
T242	*Acer negundo*	No	5.4	15	D	
T243	*Acer negundo*	No	5.1	20	G	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T244	*Ailanthus altissima*	No	4.8	20	E	
T245	*Prunus avium*	No	9.4	40	E	
T246	*Acer negundo*	No	7.5	25	E	
T247	*Prunus avium*	No	9.5	35	E	
T248	*Prunus avium*	No	7.0	20	G	
T249	*Populus deltoides*	No	20.7	60	E	
T250	*Fraxinus sp.*	No	6.8	40	E	
T251	*Malus sp.*	No	13.7	40	E	Crabapple
T252	*Populus deltoides*	No	18.5	40	P	
T253	*Acer negundo*	No	4.5	15	G	
T254	*Acer platanoides*	No	9.7	35	E	
T255	*Acer negundo*	No	7.6	25	E	
T256	*Malus sp.*	No	11.1	30	G	
T257	*Ailanthus altissima*	Yes	16.2	20	D	
T258	*Fraxinus sp.*	No	7.2	35	P	Vines, 2 trunks
T259	*Ailanthus altissima*	No	6.2	30	E	
T260	*Ailanthus altissima*	No	6.2	30	E	
T261	*Prunus sp.*	No	9.5	30	P	Vines
T262	*Ailanthus altissima*	No	3.2	20	E	
T263	*Acer negundo*	No	7.3	25	G	
T264	*Morus alba*	No	8.9	30	E	
T265	*Rhamnus cathartica*	No	7.0	10	E	
T266	*Fraxinus sp.*	No	4.1	15	D	
T267	*Acer saccharinum*	No	5.1	25	E	
T268	*Fraxinus sp.*	No	11.1	40	G	
T269	*Malus sp.*	No	6.4	20	G	
T270	*Acer platanoides*	No	10.2	45	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T271	*Ailanthus altissima*	Yes	22.3	50	P	Loose exfoliating bark, holes
T272	*Fraxinus sp.*	No	6.0	35	P	
T273	*Morus alba*	No	6.7	15	G	
T274	*Acer saccharinum*	No	17.3	65	E	
T275	*Ailanthus altissima*	No	3.5	15	E	2 trunks
T276	*Acer platanoides*	No	19.1	50	E	
T277	*Acer platanoides*	No	13.1	45	E	
T278	*Ailanthus altissima*	No	13.5	40	G	
T279	*Ailanthus altissima*	No	1.9-4.1	15	G	A clonal stand of several stems, 1.9-4.1 inches DBH
T280	*Acer platanoides*	No	18.8	50	E	
T281	*Catalpa speciosa*	No	6.7	30	E	
T282	*Ailanthus altissima*	No	13.7	45	E	
T283	*Acer saccharinum*	No	15.6	55	G	
T284	*Fraxinus sp.*	No	10.5	40	P	EAB and beaver damage
T285	*Malus sp.*	No	10.7	25	E	
T286	*Platanus occidentalis*	No	25.5	60	E	
T287	*Ailanthus altissima*	No	10.8	35	E	
T288	*Ailanthus altissima*	No	6.7	35	E	
T289	*Acer platanoides*	No	15.8	40	E	2 trunks
T290	*Acer platanoides*	No	12.7	35	E	
T291	*Acer platanoides*	No	13.5	35	E	
T292	*Acer negundo*	No	7.6	25	E	
T293	*Malus sp.*	No	11.1	15	G	
T294	*Salix fragilis*	No	23.2	40	E	
T295	*Acer platanoides*	No	8.3	35	E	
T296	*Ailanthus altissima*	No	12.1	50	E	
T297	*Acer negundo*	No	4.5	20	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T298	*Acer negundo*	No	11.5	25	G	
T299	*Acer negundo*	No	9.2	15	E	
T300	*Acer negundo*	No	21.3	40	E	
T301	*Acer negundo*	No	4.6	20	E	
T302	*Acer negundo*	No	14.2	40	E	
T303	*Acer negundo*	No	10.7	40	E	
T304	*Acer negundo*	No	8.0	25	E	
T305	*Acer negundo*	No	11.8	30	E	3 trunks
T306	*Acer platanoides*	No	17.2	50	E	
T307	*Ailanthus altissima*	No	23.9	50	E	
T308	*Acer negundo*	No	10.2	40	E	
T309	*Prunus avium*	No	9.5	45	E	
T310	*Acer negundo*	No	4.5	15	E	
T311	*Ailanthus altissima*	No	12.9	55	E	
T312	*Acer negundo*	No	6.7	30	E	2 trees very close, up to 6.7 inches DBH
T313	*Salix fragilis*	No	21.6	60	E	
T314	*Rhamnus cathartica*	No	5.7	15	E	
T315	*Salix fragilis*	No	15.9	45	E	
T316	*Acer negundo*	No	13.4	45	E	
T317	*Acer negundo*	No	5.4	20	G	
T318	*Acer negundo*	No	9.2	35	G	
T319	*Acer platanoides*	No	8.6	40	E	
T320	*Salix fragilis*	No	11.5	30	E	
T321	*Acer negundo*	No	6.7	30	E	
T322	*Salix fragilis*	No	27.5	45	E	
T323	*Salix fragilis*	No	29.9	10	D	Fallen over
T324	*Acer negundo*	No	14.6	40	E	

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T325	*Acer negundo*	No	29.0	45	E	
T326	*Alnus glutinosa*	No	20.2	40	E	
T327	Unknown	Yes	14.2	30	D	Loose exfoliating bark, holes
T328	*Acer negundo*	No	17.8	35	E	
T329	*Acer negundo*	No	11.8	20	G	
T330	Unknown	Yes	16.6	15	D	Loose exfoliating bark, holes
T331	*Acer negundo*	No	7.6	25	E	
T332	*Catalpa speciosa*	No	18.5	50	E	
T333	*Salix fragilis*	No	31.8	40	P	Broken, cracked, and covered in vines
T334	*Acer saccharinum*	No	23.9	50	P	
T335	*Acer negundo*	No	10.0	35	G	
T336	*Acer negundo*	No	9.9	35	E	
T337	*Alnus glutinosa*	No	19.1	25	E	
T338	*Acer negundo*	No	5.4	20	P	Stems broken
T339	*Acer negundo*	Yes	16.1	20	D	Holes are present
T340	*Acer negundo*	No	8.9	20	G	
T341	*Acer negundo*	Yes	17.8	15	D	Loose exfoliating bark, holes
T342	*Salix fragilis*	No	11.5	30	E	
T343	*Acer negundo*	No	7.6	30	G	3 trees very close, up to 7.6 inches DBH
T344	*Ailanthus altissima*	No	9.5	35	E	
T345	*Acer negundo*	No	8.9	20	G	3 trees very close, up to 8.9 inches DBH
T346	*Ailanthus altissima*	No	8.0	20	G	
T347	*Ailanthus altissima*	No	10.2	35	G	A clonal stand of 4 stems, up to 10.2 inches DBH
T348	*Acer negundo*	No	9.5	25	E	3 trunks
T349	*Acer negundo*	No	10.8	40	G	
T350	*Acer negundo*	No	9.1	40	G	
T351	*Ailanthus altissima*	No	7.0	50	G	Vines

APPENDIX J
TREE SURVEY DATA
EAST STATION FORMER MGP SITE
ROCHESTER, MONROE COUNTY, NEW YORK

Tree ID	Scientific Name	Bat Roost[1]	DBH (inches)[2]	Height (feet)[3]	Condition[4]	Notes
T352	*Ailanthus altissima*	No	5.1	30	E	
T353	*Acer negundo*	No	4.8-8.0	30	G	2 trees very close, 4.8 and 8.0 inches DBH
T354	*Acer negundo*	No	18.8	40	E	4 trunks
T355	*Ailanthus altissima*	No	8.9	35	E	
T356	*Ailanthus altissima*	No	9.5	35	E	
T357	*Gleditsia triacanthos*	No	6.0	25	E	
T358	*Ailanthus altissima*	No	13.1	30	E	

1. Bat roosting characteristics include exfoliating bark, fissures, holes, cracks
2. Diameter at Breast Height (DBH)
3. Tree height is based on a visual estimation in the field
4. Condition: Dead (D), Poor (P), Fair (F), Good (G), Excellent (E)

APPENDIX K ISSUED PERMITS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5400 | F: (585) 226-2830
www.dec.ny.gov

IMPORTANT NOTICE TO ALL PERMITTEES

The permit you requested is enclosed. **Please read it carefully and note the conditions that are included in it**. The permit is valid for only those activities expressly authorized therein. Work beyond the scope of the permit and the approved project plans may be considered a violation of the law and be subject to appropriate enforcement action. Granting of this permit does not relieve the permittee of the responsibility of obtaining any other permission, consent, or approval from any other Federal, State or local government which may be required. Please be sure to check with the local municipality regarding the potential need for local approval.

PLEASE NOTE: You must submit a Notice of Intent to Commence Work (attached) prior to starting work and similar notification must also be made upon completion of project as noted in the permit conditions. If a Permit Notice Sign is enclosed, you must post it at the work site with appropriate weather protection, as well as a copy of the permit per General Condition #1.

Please note the expiration date of the permit. If you need additional time to complete your project, you must submit your request for permit renewal, in writing, prior to expiration of the permit (minimum of 30 days) and submitted to the Regional Permit Administrator at the above address. Provide an explanation of why additional time is needed and how much additional time you are requesting. Please refer to the general conditions listed in the permit for specific instructions. For SPDES, solid Waste and Hazardous Waste Permits, renewal applications must be made at least 180 days prior to the expiration date.

The DEC permit number & Program ID number noted on page 1 under “Permit Authorization” of the permit are important and should be retained for your records. These numbers should be referenced on all correspondence related to the permit, and on any future applications for permits associated with this facility/project area.

For many projects involving work in and around streams, lakes and wetlands the US Army Corps of Engineers (USACE) may have regulatory authority in addition to this Department. If you have not already done so, you should contact their Buffalo District Regulatory Branch office at 716-879-4330 to obtain any required federal authorizations prior to commencing work. Also as a reminder, be sure to verify whether any local approvals are required for the project.

If you have any questions on the extent of the work authorized or your obligations under the permit, please feel free to contact me at 585-226-5382.

Sincerely,

Frances Knickmeyer
Environmental Analyst

PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
ROCHESTER GAS & ELECTRIC CORPORATION
89 EAST AVE
ROCHESTER, NY 14649
(585) 771-4556

Facility:
RGE&E EAST STATION - FORMER MGP SITE
86 SMITH ST
ROCHESTER, NY

Facility Location: in ROCHESTER in MONROE COUNTY
Facility Principal Reference Point: NYTM-E: 286.995 NYTM-N: 4782.752
Latitude: 43°10'03.1" Longitude: 77°37'13.3"
Project Location: Genesee River, near Sunutru St
Authorized Activity: Take 28 soil bores/sediment samples below the OHWM of the Genesee River, a Class B navigable body of water, as part of the pre-design investigation for the RG&E East remediation project. Soil samples will be taken using 4" diameter bores or ponar grabs. Less than 0.01 ac will be disturbed by the sediment sampling. The project site is on the east side of the Genesee River, between the Bausch Memorial Bridge to the south and a railroad bridge to the north.

Permit Authorizations

Water Quality Certification - Under Section 401 - Clean Water Act
Permit ID 8-2614-00976/00001
New Permit Effective Date: 8/29/2023 Expiration Date: 12/31/2025

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this permit.

Permit Administrator: ROBERT B CALL, Deputy Regional Permit Administrator
Address: NYSDEC Region 8 Headquarters
6274 E Avon-Lima Rd
Avon, NY 14414

Authorized Signature: Robert B. Call Robert B. Call cn=Robert B. Call, o=Environmental Permits, ou=NYSDEC, email=robert.call@dec.ny.gov, c=US 2023.08.29 14:23:44 -04'00' Date 8/29/2023

Distribution List

Zachary Adamas, USACE (LRB-2023-00827)
Habitat

Permit Components

NATURAL RESOURCE PERMIT CONDITIONS

WATER QUALITY CERTIFICATION SPECIFIC CONDITION

GENERAL CONDITIONS, APPLY TO ALL AUTHORIZED PERMITS

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Permit Attachments

WQC - Basis for Conditions	
Drawings/Blueprints	7/20/2023
Notice of Intent to Commence Work	
Permit Sign	

NATURAL RESOURCE PERMIT CONDITIONS - Apply to the Following Permits: WATER QUALITY CERTIFICATION

1. **Conformance With Plans** All activities authorized by this permit must be in strict conformance with the approved plans submitted by the applicant or applicant's agent as part of the permit application. Such approved plans were prepared by Parsons, titled "East Station Former MGP Site, Rochester Gas and Electric," Figure 2, undated, received by NYSDEC July 20, 2023 (Attachment B).

2. **Notice of Intent to Commence Work** The permittee shall submit a Notice of Intent to Commence Work to Bureau of Ecosystem Health at least 48 hours in advance of the time of commencement and shall also notify them promptly in writing of the completion of work.

3. **Precautions Against Contamination of Waters** All necessary precautions shall be taken to preclude contamination of any wetland or waterway by suspended solids, sediments, fuels, solvents, lubricants, epoxy coatings, paints, concrete, leachate or any other environmentally deleterious materials associated with the project.

4. **Water Clarity** Stream reaches downstream of construction areas shall always remain as clear (non-turbid) as the reaches upstream of the construction areas.

5. **Install and Maintain Erosion Controls** Appropriate soil erosion and sediment controls (such as silt fences, turbidity curtains, straw bales, and other appropriate measures) shall be installed, used, and maintained in effective operating condition during all work. Controls shall be installed prior to ground disturbance, inspected periodically to ensure that they are not damaged, repaired promptly when needed, and remain in place until the site is stabilized by the regrowth of suitable vegetation. Erosion controls shall be removed after the site is stabilized by the regrowth of suitable vegetation.

6. **Construction Access** Construction access shall be by means that avoid aquatic sites, unless specifically authorized on the approved plans.

7. **Work from Land** Whenever feasible, bank grading and in-water removal or installation of material shall be carried out by land-based equipment rather than from the stream or riverbed or within flowing water. Generally, work shall proceed from the downstream end to the upstream end of the project reach, unless specifically authorized on the approved plans.

8. **Heavy Equipment** Heavy equipment working in wetlands must be placed on equipment mats, or other measures must be taken to minimize soil disturbance and compaction to the maximum extent practicable.

9. **Equipment Cleaning** To prevent turbid discharges and the potential introduction of invasive species into regulated waters from other areas, all equipment used in any project work area involving regulated waters will be inspected for, and cleaned of, any visible soils, vegetation, and debris before being used in regulated waters.

10. **Seed and Mulch Streambanks and Work Areas** Within one week of final grading, all areas of soil disturbance from this project shall be seeded with an appropriate perennial grass seed and mulched with hay or straw, unless hydroseeded. Mulch shall be maintained until a suitable vegetative cover is established. If seeding is impracticable due to the time of year, a temporary mulch shall be applied and final seeding shall be performed at the earliest opportunity when weather conditions favor germination and growth, but not more than six months after project completion.

11. **State May Order Removal or Alteration of Work** If future operations by the State of New York require an alteration in the position of the structure or work herein authorized, or if, in the opinion of the Department of Environmental Conservation it shall cause unreasonable obstruction to the free navigation of said waters or flood flows or endanger the health, safety or welfare of the people of the State, or cause loss or destruction of the natural resources of the State, the owner may be ordered by the Department to remove or alter the structural work, obstructions, or hazards caused thereby without expense to the State, and if, upon the expiration or revocation of this permit, the structure, fill, excavation, or other modification of the watercourse hereby authorized shall not be completed, the owners, shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may require, remove all or any portion of the uncompleted structure or fill and restore to its former condition the navigable and flood capacity of the watercourse. No claim shall be made against the State of New York on account of any such removal or alteration.

12. **State May Require Site Restoration** If upon the expiration or revocation of this permit, the project hereby authorized has not been completed, the applicant shall, without expense to the State, and to such extent and in such time and manner as the Department of Environmental Conservation may lawfully require, remove all or any portion of the uncompleted structure or fill and restore the site to its former condition. No claim shall be made against the State of New York on account of any such removal or alteration.

13. **State Not Liable for Damage** The State of New York shall in no case be liable for any damage or injury to the structure or work herein authorized which may be caused by or result from future operations undertaken by the State for the conservation or improvement of navigation, or for other purposes, and no claim or right to compensation shall accrue from any such damage.

WATER QUALITY CERTIFICATION SPECIFIC CONDITIONS

1. **Water Quality Certification** The authorized project, as conditioned pursuant to the Certificate, complies with Section 301, 302, 303, 306, and 307 of the Federal Water Pollution Control Act, as amended and as implemented by the limitations, standards, and criteria of state statutory and regulatory requirements set forth in 6 NYCRR Section 608.9(a). The authorized project, as conditioned, will also comply with applicable New York State water quality standards, including but not limited to effluent limitations, best usages and thermal discharge criteria, as applicable, as set forth in 6 NYCRR Parts 701, 702, 703, and 704.

GENERAL CONDITIONS - Apply to ALL Authorized Permits:

1. **Facility Inspection by The Department** The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71- 0301 and SAPA 401(3).

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

2. **Relationship of this Permit to Other Department Orders and Determinations** Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

3. **Applications For Permit Renewals, Modifications or Transfers** The permittee must submit a separate written application to the Department for permit renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing. Submission of applications for permit renewal, modification or transfer are to be submitted to:

Regional Permit Administrator
NYSDEC Region 8 Headquarters
6274 E Avon-Lima Rd
Avon, NY14414

4. **Submission of Renewal Application** The permittee must submit a renewal application at least 30 days before permit expiration for the following permit authorizations: Water Quality Certification.

5. **Permit Modifications, Suspensions and Revocations by the Department** The Department reserves the right to exercise all available authority to modify, suspend or revoke this permit. The grounds for modification, suspension or revocation include:

a. materially false or inaccurate statements in the permit application or supporting papers;

b. failure by the permittee to comply with any terms or conditions of the permit;

c. exceeding the scope of the project as described in the permit application;

d. newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;

e. noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

6. **Permit Transfer** Permits are transferrable unless specifically prohibited by statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

NOTIFICATION OF OTHER PERMITTEE OBLIGATIONS

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification
The permittee, excepting state or federal agencies, expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under Article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit
The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits
The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights
This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

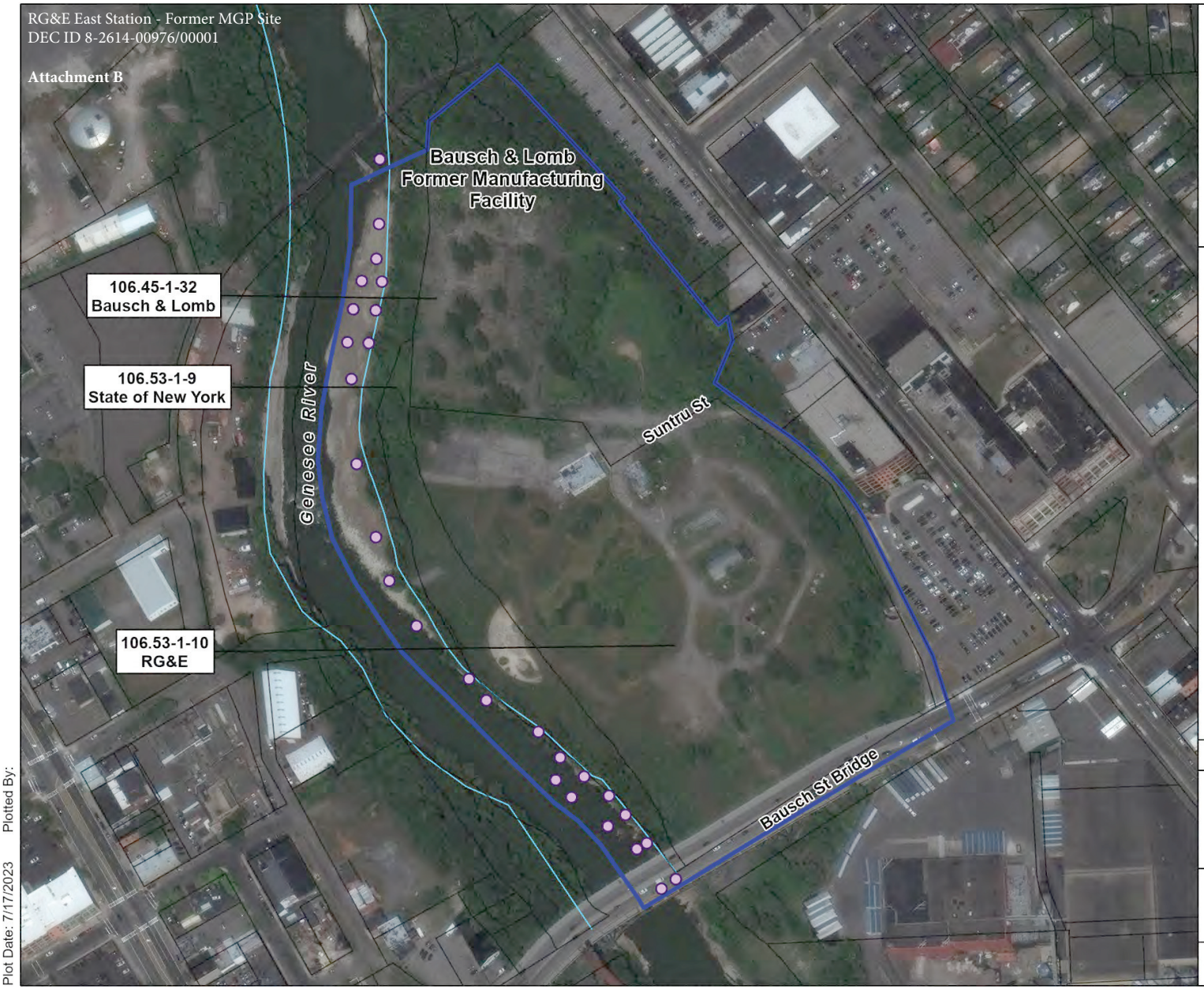
401 Water Quality Certification Conditions
Water Quality Requirements and Explanations

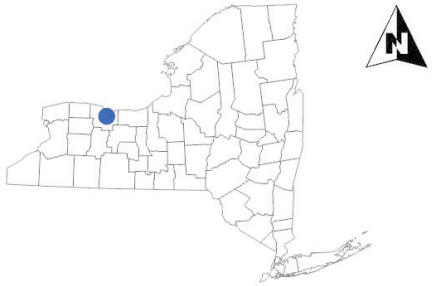
The conditions included in this certification are necessary to ensure that the project will meet applicable New York State water quality requirements. In accordance with 40 CFR §121.7, the applicable water quality requirements and explanations for each condition, wherever included in this Section 401 Water Quality certification, are provided in the table below. Where used in the table, ECL refers to New York State Environmental Conservation Law and 6 NYCRR refers to Title 6 of the Codes, Rules and Regulations of the State of New York.

Condition Title	Water Quality Requirements	Explanation
Conformance with Plans	6 NYCRR 608.9, Discharges Prohibited without certification.	This condition is necessary to identify what discharges are authorized by the certification. Any discharge not identified on the referenced plans is prohibited.
Precautions Against Contamination of Waters	6 NYCRR 703.2, Narrative Water Quality Standards related to turbidity, suspended solids, toxic substances, color, and other deleterious substances.	This condition is necessary to ensure that the permittee undertakes whatever additional measures are necessary, and not otherwise specified in the conditions of this permit, to prevent the contravention of water quality standards during the implementation of the project.
Water Clarity	6 NYCRR 703.2 – as above	This condition is necessary to ensure that the project does not violate water quality standards related to turbidity.
Install and Maintain Erosion Controls	6 NYCRR 703.2 – as above	This condition is necessary to ensure that upland erosion is minimized and contained during project construction, preventing contravention of the water quality standards.
Construction Access	6 NYCRR 703.2 – as above	This condition is necessary to ensure that the operation of construction equipment does not result in long-term or permanent alteration of waters, creating a discharge beyond the scope of the authorized discharge.
Work from Land	6 NYCRR 608.9 – as above. 6 NYCRR 703.2 – as above.	This condition is necessary to ensure that the operation of construction equipment does not result in unauthorized discharges. It is also necessary to ensure that construction of the project within flowing water is minimized to the extent practicable, avoiding contravention of the water quality standards.
Heavy Equipment	6 NYCRR 608.9 – as above	This condition is necessary to ensure that the operation of heavy equipment does not result in long-term or permanent alteration of waters, creating a discharge beyond the scope of the authorized discharge.
Equipment Cleaning	6 NYCRR 703.2 – as above	This condition is necessary to ensure that equipment used will not contribute to a contravention of water quality standards.
Seed and Mulch Streambanks and Work Areas	6 NYCRR 703.2 – as above	This condition is necessary to ensure that upland erosion is minimized after construction is completed, preventing a contravention of the water quality standards.

RG&E East Station - Former MGP Site
DEC ID 8-2614-00976/00001

Attachment B





River Bank
Project Boundary
Property Boundary
Sediment Sampling Locations

Notes:
1) Parcel Boundaries obtained from City of Rochester Tax Parcel Records

0 200 400 600 Feet

Figure 2

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

Sediment Sampling Locations

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plot Date: 7/17/2023 Plotted By:

Document Path: \nysyr04fs01\Projects\Iberdrola_Avangrid\453121 East Station\9.0 Technical Categories\GIS\MXDs\East Station Figures.aprx

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Divsion of Environmental Permits, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5400 I F: (585) 226-2830
www.dec.ny.gov

NOTICE OF INTENT TO COMMENCE WORK

Date: _____

NYS Department of Environmental Conservation
Division of Environmental Permits
6274 East Avon-Lima Road
Avon, NY 14414

Re: 401 Water Quality Certification
DEC Permit No. 8-2614-00976/00001

In accordance with Condition # 2 of the referenced permit, I hereby serve notice to commence work on or about _____, 20___. Notice of project completion will be submitted within one week after termination of all work.

This is also to certify that, having read in entirety the permit, I am fully aware of and understand the general, supplemental and special conditions, and agree to comply in all respects to those requirements. I further understand that prior to undertaking any modification to the authorized project, I must seek and receive the written approval of the Regional Permit Administrator.

_____
Signature of Permittee

_____
Signature of Contractor (if any)

_____
Contractor's Address

_____
Contractor's Telephone Number

_____
Signature of Landowner(s)

WARNING

The Permittee and the contractor (if any) are required to follow all permit conditions. Violation of permit conditions may lead to legal action, including the imposition of substantial monetary fines and corrective work.

Attention Permittee and/or Contractor: Please fold as noted on the back and return.

(Fold # 2)

Place
Stamp
Here

NYS Department of Environmental
Conservation Attn: Bureau of Ecosystem Health
6274 E Avon-Lima Rd
Avon, NY 14414

(Fold # 1 – Staple Here)

NEW YORK
STATE OF
OPPORTUNITY.

Department of
Environmental
Conservation

NOTICE

The Department of Environmental Conservation (DEC) has issued permit(s) pursuant to the Environmental Conservation Law for work being conducted at this site. For further information regarding the nature and extent of work approved and any Departmental conditions on it, contact the Regional Permit Administrator listed below. Please refer to the permit number shown when contacting the DEC.

Regional Permit Administrator

Permit Number **8-2614-00976/00001**

Expiration Date **12/31/2025**

Thomas P Haley
6274 E Avon-Lima Rd
Avon, NY 14414
(585) 226-5400

NOTE: This notice is **NOT** a permit

STATE OF NEW YORK
DEPARTMENT OF STATE
ONE COMMERCE PLAZA
99 WASHINGTON AVENUE
ALBANY, NY 12231-0001
HTTPS://DOS.NY.GOV

KATHY HOCHUL
GOVERNOR

ROBERT J. RODRIGUEZ
SECRETARY OF STATE

August 17, 2023

Amy Ruta
Parsons
301 Plainfield Road, Suite 350
Syracuse, NY 13212

Re: **F-2023-0531**
U.S. Army Corps of Engineers/Buffalo District Permit Application–**Rochester Gas and Electric Corporation- East Station,** LRB-2023-00827
Pre-Design Investigation (PDI) activities to assess the potential release of contaminants from the RGE East Station Site No. 828204. Sediment from approx. 28 sample locations will be collected below the Ordinary High Water using either 4" diameter coring equipment positioned on a floating platform (where greater than 1' of sediment is present) or ponar grab equipment (where less than 1' of sediment is present)
Suntru Street, City of Rochester, Monroe County, Genesee River
General Concurrence

Dear Amy Ruta:

The Department of State (DOS) received your application for the above noted proposal on July 20, 2023 and received the remaining supporting information for this proposal on July 31, 2023, beginning our review, pursuant to 15 CFR Part 930, Subpart D, on that date.

The Department of State has determined that this proposal meets the Department's general consistency concurrence criteria. Therefore, further review of the proposed activity by the Department of State and the Department's concurrence with an individual consistency certification for the proposed activity are not required.

This determination is without prejudice to and does not obviate the need to obtain all other applicable licenses, permits, and other forms of authorizations or approvals which may be required pursuant to existing New York State statutes.

When communicating with us regarding this matter, please contact us at (518) 474-6000 and refer to our file #F-2023-0531.

Sincerely,

Tanna D. LeGere
Supervisor, Consistency Review Unit
Office of Planning, Development and Community Infrastructure

NEW YORK STATE OF OPPORTUNITY. Department of State

TL/HW

ecc: COE/Buffalo District (Rochester Gas and Electric Corporation-East Station, LRB-2023-00827)
DEC/Region 8 - Frances Knickmeyer (8-2614-00976/00001)
Applicant - Rochester Gas and Electric Corporation c/o Jeremy Wolf

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS BUFFALO DISTRICT
478 **MAIN STREET**
BUFFALO, NY 14202-3278

October 6, 2023

Regulatory Branch

SUBJECT: Application No. LRB-2023-00827, Nationwide Permit No. 6 as Published in the Federal Register, Volume 86, No. 8 on Jan. 13, 2021 and No. 245 on Dec. 27, 2021

Rochester Gas & Electric Corporation
Jeremy Wolf
180 S Clinton Ave
Rochester, New York 14604

Dear Mr. Wolf:

This pertains to your proposal to conduct a Pre-Design Investigation to assess the potential release of contaminants, involving the take of 28 core samples(approximately 4"dia x 1'depth) below the OHWM of the Genesee River, located at the RGE East Station Site No. 828204 at Suntru Street, in the City of Rochester, Monroe County, New York.

I have evaluated the impacts associated with your proposal and have concluded that they are authorized by the enclosed Nationwide Permit (NWP) provided that the attached conditions are satisfied.

Verification of the applicability of this NWP is valid until March 14, 2026 unless the NWP is modified, suspended, revoked, or the activity complies with any subsequent permit modification. Please note in accordance with 33 CFR part 330.6(b), that if you commence or are under contract to commence an activity in reliance of the permit prior to the date this NWP expires, is suspended or revoked, or is modified such that the activity no longer complies with the terms and conditions, you have twelve months from the date of permit modification, expiration, or revocation to complete the activity under the present terms and conditions of the permit, unless the permit has been subject to the provisions of discretionary authority.

It is your responsibility to remain informed of changes to the NWP program. A public notice announcing any changes will be issued when they occur and will be available for viewing at our website: http://www.lrb.usace.army.mil/Missions/Regulatory.aspx. Finally, note that if your activity is not undertaken within the defined period or the project specifications have changed, you must immediately notify this office to determine the need for further approval or reverification.

Your initiation of work as authorized by the enclosed NWP acknowledges your acceptance of the general and special conditions contained therein. This affirmation is limited to the

Regulatory Branch

SUBJECT: Application No. LRB-2023-00827, Nationwide Permit No. 6 as Published in the Federal Register, Volume 86, No. 8 on Jan. 13, 2021 and No. 245 on Dec. 27, 2021

attached NWP and associated WQC, and does not obviate the need to obtain any other project specific Federal, state, or local authorization. Specifically, you may need to obtain Article 15 (Protection of Water), Article 24 (Freshwater Wetland), and/or Article 34 (Coastal Erosion Management) authorization from the New York State DEC.

Questions pertaining to this matter should be directed to me at 716-879-4123 by writing to the following address: U.S. Army Corps of Engineers Regulatory Branch 478 Main Street, Buffalo, NY 14202**,** or by e-mail at: Zachary.s.adams@usace.army.mil.

Sincerely,

Zachary S Adams

Zachary S Adams
Physical Scientist

Enclosures
cc: Amy Ruta

COMPLETION FORM / COMPLIANCE CERTIFICATION

Each permittee who receives a Nationwide Permit (NWP) verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and any compensatory mitigation.

APPLICANT:
Rochester Gas & Electric
180 S Clinton Ave
Rochester, New York 14604

POINT OF CONTACT:

File No.: LRB-2023-00827
File Closed: October 6, 2023
NWP No.: 6

Upon completion of the activity authorized by this permit and any required compensatory mitigation sign this certification and return it to the address listed below within 30 days of project completion.

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, revocation, and/or assessment of administrative penalties.

The permittee shall certify the completion of the authorized work and mitigation:

a. The authorized work was done in accordance with the NWP authorization, including any general, regional, or activity specific conditions.

b. The implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, this certification must include the documentation required by 33 CFR 332.3(1)(3) to confirm that the permittee secured the appropriate number and resource type of credits.

_____ _____
Jeremy Wolf Date

Permittee Telephone Number: _____

Project location: Suntru Street, Rochester, NY 14605

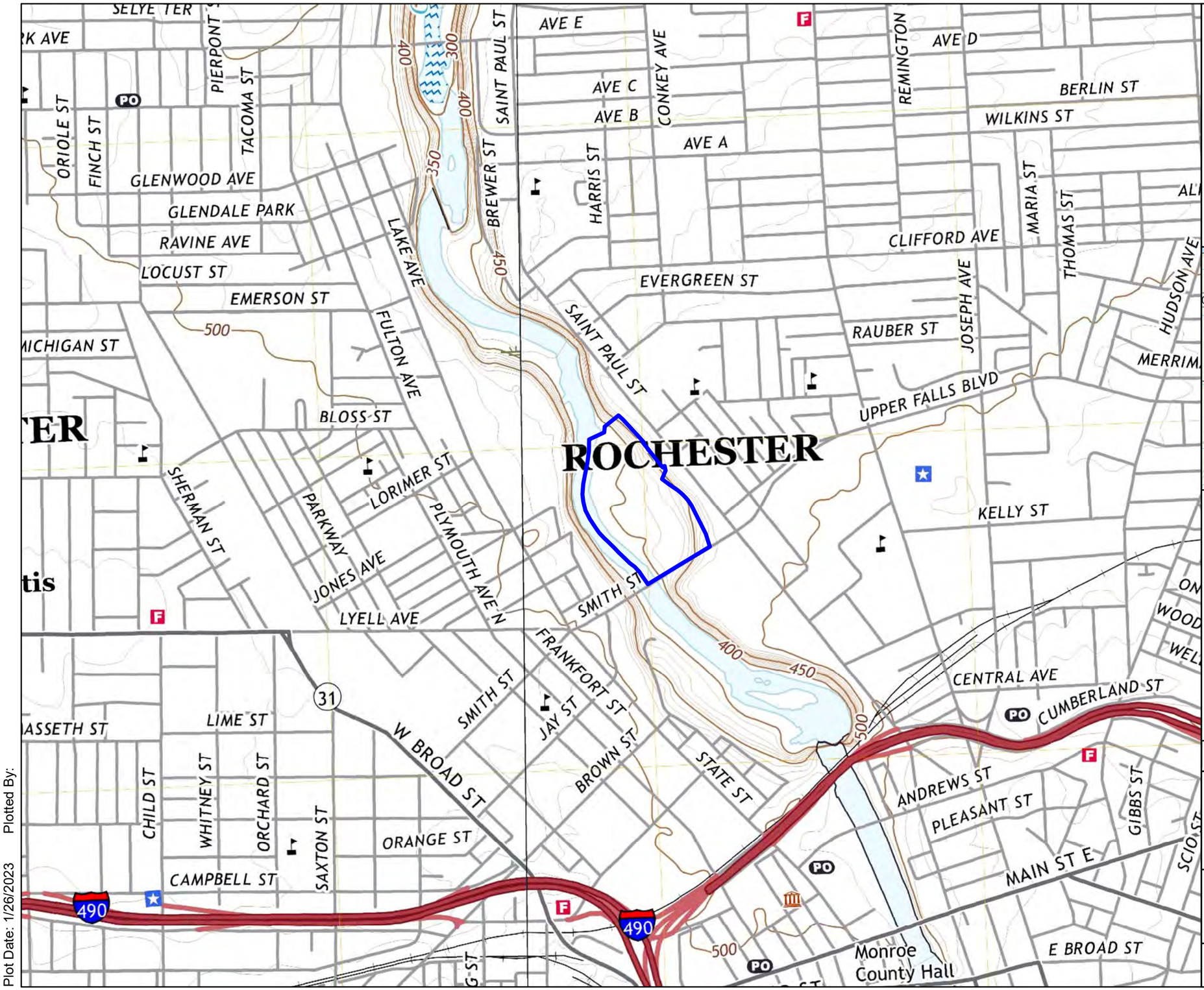
Project Description: Survey Activities

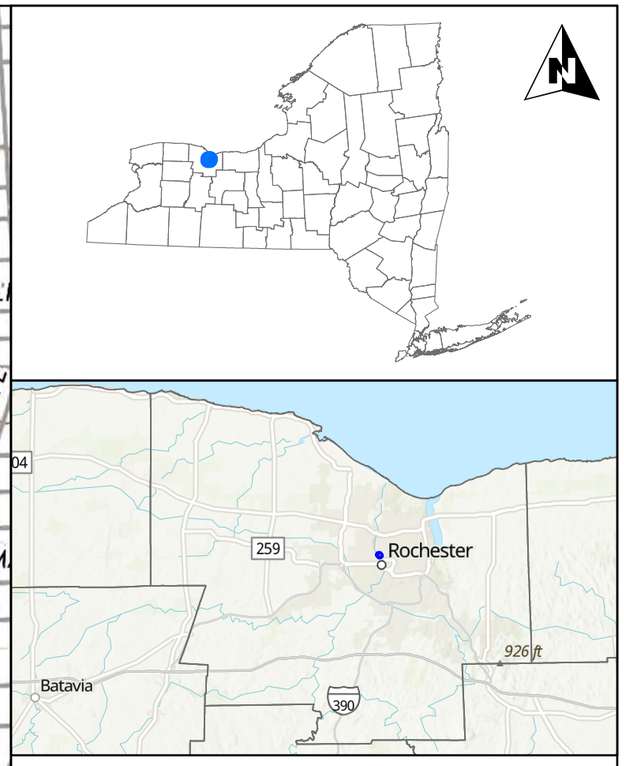
Authorized Impacts (Waters of the U.S. Impacted by Project): Sediment from approximately 28 sample locations will be collected below the ordinary high water mark of the Genesee River.

Waterway and/or Project Setting: Genesee River

Return completed form to: **LRB.Regulatory.PermitCompliance@usace.army.mil** (Preferred)
Or Mail to: Mr. David Leput
Regulatory Branch
U.S. Army Corps of Engineers
478 Main St
Buffalo, NY 14202

Received by USACE - M. Lipin 7/27/2023





Project Boundary

Rochester Gas & Electric
D/A Permit No: LRB-2023-00827
Monroe County, New York
Sheet 1 of 3

0 1,000 2,000
Feet

Figure 1

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

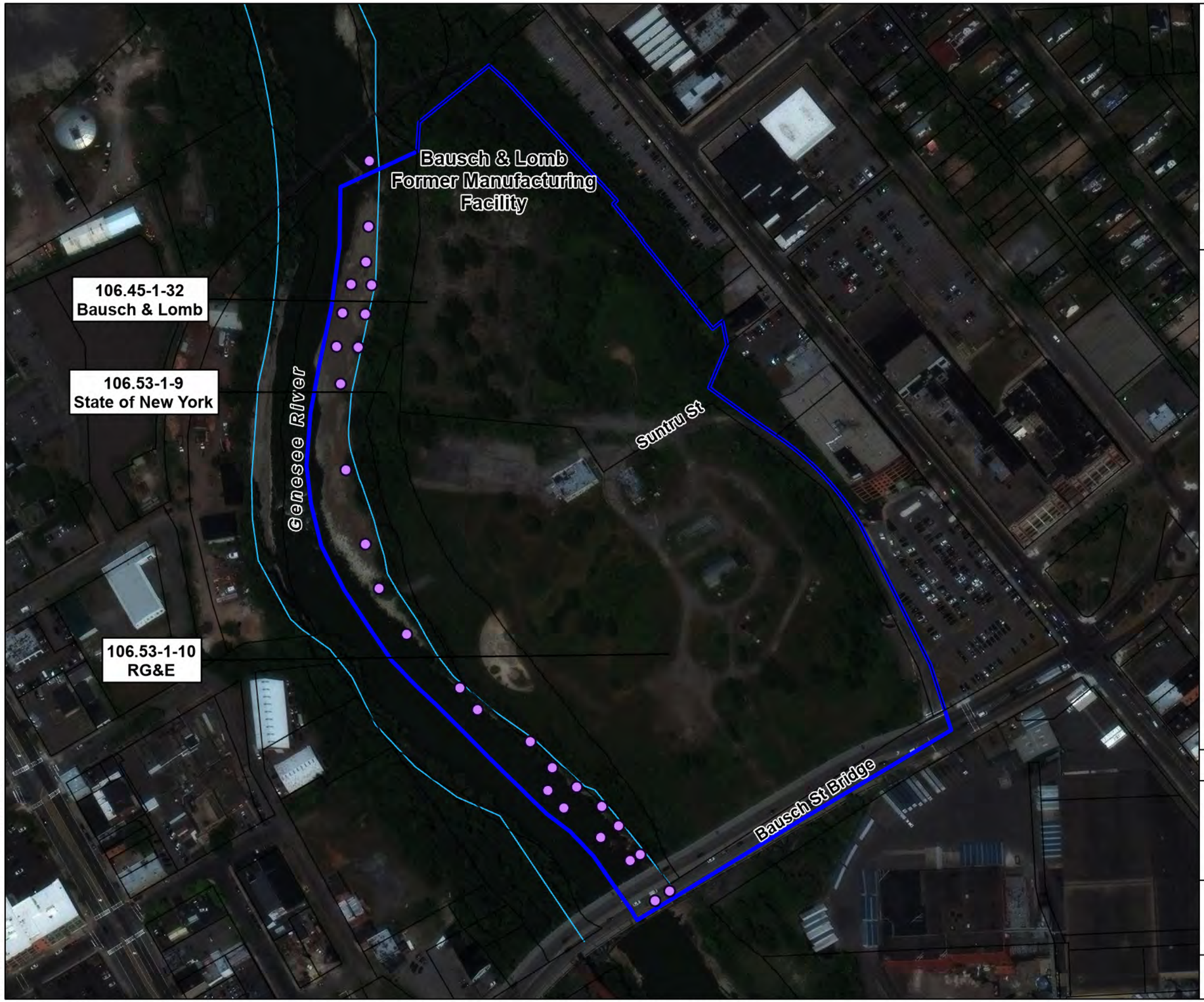
Site Location

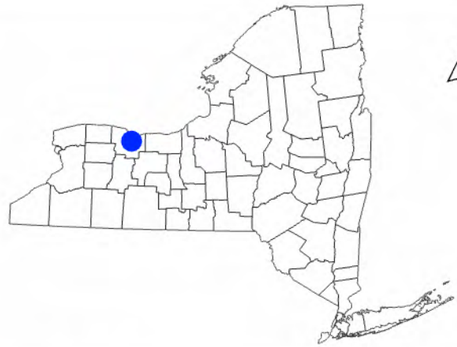
PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plotted By:
Plot Date: 1/26/2023

Document Path: \nysyr04fs01\Projects\Iberdrola_Avangrid\453121 East Station\9.0 Technical Categories\GIS\MXDs\East Station Figures.aprx

Received by USACE - M. Lipin 7/27/2023





River Bank
Project Boundary
Property Boundary
Sediment Sampling Locations

Rochester Gas & Electric
D/A Permit No: LRB-2023-00827
Monroe County, New York
Sheet 2 of 3

Notes:
1) Parcel Boundaries obtained from
City of Rochester Tax Parcel Records

0 200 400 600
Feet

Figure 2

RG&E

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

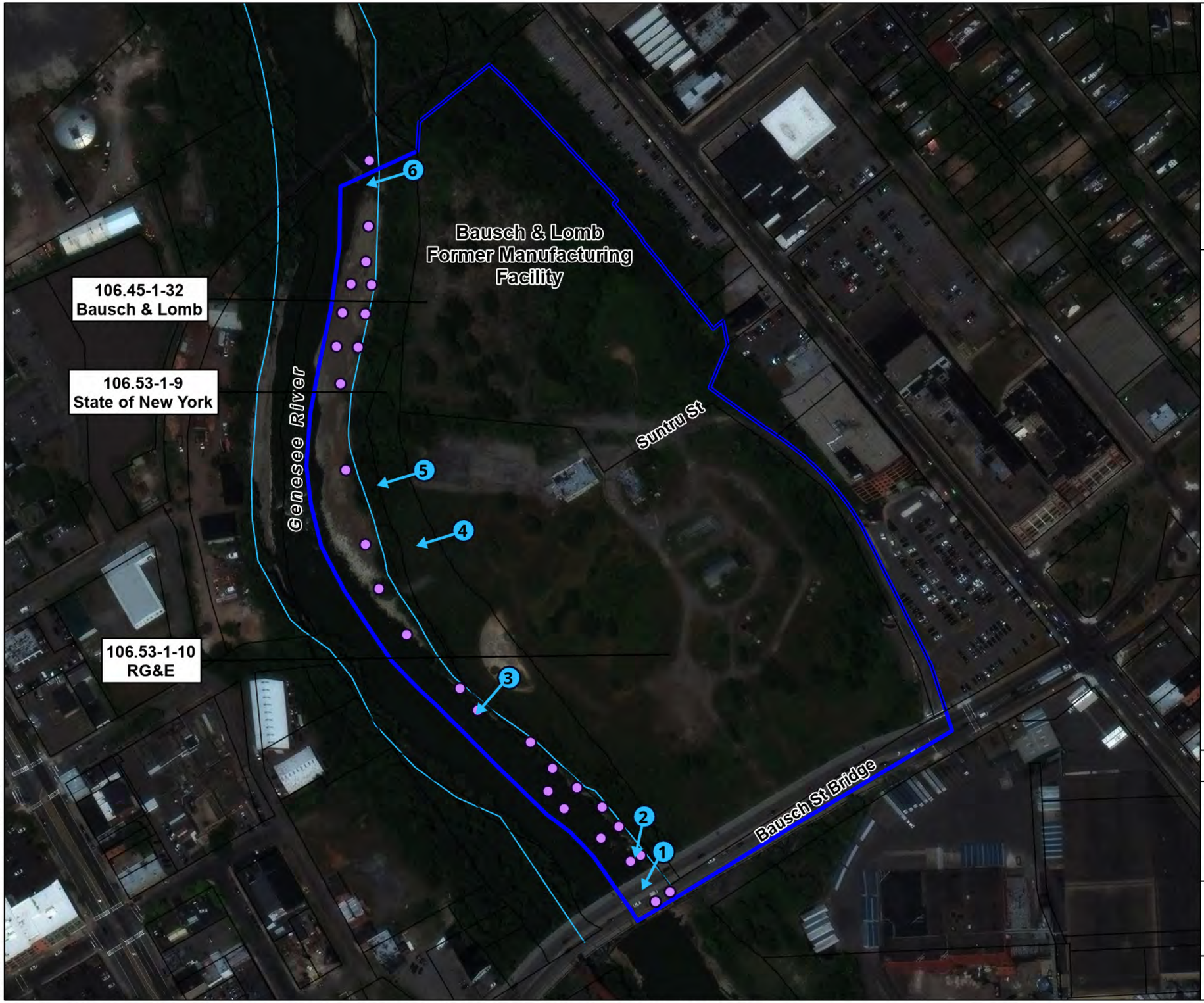
Sediment Sampling Locations

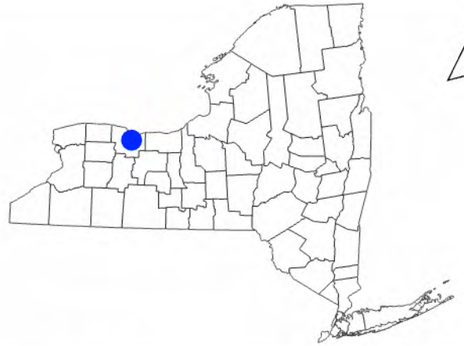
PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plotted By:
Plot Date: 7/17/2023

Document Path: \nysyr04fs01\Projects\Iberdrola_Avangrid\453121 East Station\9.0 Technical Categories\GIS\MXDs\East Station Figures.aprx

Received by USACE - M. Lipin 7/27/2023





River Bank
Project Boundary
Property Boundary
Sediment Sampling Locations
Photograph Locations
Photograph Direction

Rochester Gas & Electric
D/A Permit No: LRB-2023-00827
Monroe County, New York
Sheet 3 of 3

Notes:
1) Parcel Boundaries obtained from
City of Rochester Tax Parcel Records

0 200 400 600
Feet

Figure 3

East Station Former MGP Site
Rochester Gas and Electric
Rochester, NY

Photographic Documentation Locations

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560

Plotted By:
Plot Date: 7/17/2023

Document Path: \nysyr04fs01\Projects\Iberdrola_Avangrid\453121 East Station\9.0 Technical Categories\GIS\MXDs\East Station Figures.aprx

APPENDIX L WATER DISPOSAL

PARSONS

Phone: 315.451.956060
301 Plainfield Road, Suite 350 | Syracuse, New York 1321212

MEMORANDUM

February 2, 2024

To: Greta White, New York State Department of Environmental Conservation

From: Anne Burnham, Parsons

Subject: Liquid Investigation Derived Waste, RG&E East Station Site No: 828204

Parsons, on behalf of RG&E, is in the process of securing authorization from the Monroe County POTW for the treatment and disposal of liquid investigation derived waste (IDW) from the East Station Site. The IDW was generated during the pre-design investigation and is comprised of a mixture of decontamination water, purge water, and water generated during 48-hour pumping tests. The total volume is approximately 12,000 gallons and is currently containerized in a frac tank. A sample for waste characterization was collected on November 6, 2023, and was analyzed by Eurofins Laboratories in Amherst, New York for waste characterization parameters including volatile organic compounds, semi-volatile organic compounds, metals, polychlorinated biphenyls, pesticides, herbicides and RCRA waste parameters (ignitability, corrosivity, reactivity). Parsons has completed a review of the results and found that the none of the results exceed the hazardous waste limits as stated in 40 CFR Part 261, and results are below the POTW requirements for treatment and disposal at West Station.

Samples were also collected for PFAS analysis via draft EPA Method 1633. Only perfluorooctanesulfonic acid (PFOS) was detected at a maximum concentration of 3.2 ng/L, which is slightly above the TOGS 1.1.1 Class GA standard of 2.7 ng/L.

The material is to be transported by a fully accredited and licensed waste hauler from East Station to West Station for treatment by DA Collins prior to discharge to Monroe County POTW, in accordance with the temporary discharge permit that has been obtained by DA Collins.

Enclosure:

J214672-1 Level 2 Report, Eurofins Environment Testing Buffalo

J216699-1 Level 2 Report, Eurofins Environment Testing Buffalo

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cathy Adamitis
Parsons Corporation
301 Plainfield Road
Suite 350
Syracuse, New York 13212

Generated 11/22/2023 4:42:51 PM

JOB DESCRIPTION

RG&E - Former East Station MGP Site

JOB NUMBER

480-214672-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
11/22/2023 4:42:51 PM

Authorized for release by
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@et.eurofinsus.com
Designee for
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

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Sample Summary 45
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Definitions/Glossary

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-214672-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-214672-1

Receipt
The samples were received on 11/9/2023 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4º C and 2.8º C.

GC/MS VOA
Method 8260C: The following sample was diluted due to the abundance of non-target analytes: PDI-WC-LW2-110623 (480-214672-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-691402 recovered above the upper control limit for 2-Nitroaniline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: PDI-WC-LW1-110623 (480-214672-1) and PDI-WC-LW2-110623 (480-214672-2).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-691402 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: PDI-WC-LW1-110623 (480-214672-1) and PDI-WC-LW2-110623 (480-214672-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method 8081B: The following samples were diluted due to the nature of the sample matrix: PDI-WC-LW1-110623 (480-214672-1) and PDI-WC-LW2-110623 (480-214672-2). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8082A: Surrogate recovery for the following sample was outside control limits: PDI-WC-LW2-110623 (480-214672-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8151A: The laboratory control sample (LCS) for preparation batch 480-691325 and analytical batch 480-691617 recovered outside control limits for the following analytes: Dinoseb .This analytes were biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8151A: The following samples were diluted due to the nature of the sample matrix: PDI-WC-LW1-110623 (480-214672-1) and PDI-WC-LW2-110623 (480-214672-2). Elevated reporting limits (RLs) are provided.

Method 8151A: Surrogate recovery for the following samples were outside the upper control limit due to matrix interference: PDI-WC-LW1-110623 (480-214672-1) and PDI-WC-LW2-110623 (480-214672-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010C: The following sample was diluted due to the presence of Silicon which interferes with Lead: PDI-WC-LW2-110623 (480-214672-2). Elevated reporting limits (RLs) are provided.

Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): PDI-WC-LW1-110623 (480-214672-1). This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was

Job ID: 480-214672-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

prepared and analyzed at a 1/2 dilution, which maintained the purple color during digestion.

Methods 245.1, 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): PDI-WC-LW2-110623 (480-214672-2). This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 1/6 dilution, which maintained the purple color during digestion.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
Methods 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: PDI-WC-LW1-110623 (480-214672-1) and PDI-WC-LW2-110623 (480-214672-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method 3510C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: PDI-WC-LW1-110623 (480-214672-1) and PDI-WC-LW2-110623 (480-214672-2). The reporting limits (RLs) have been adjusted proportionately.

Method 3510C: The following samples required a Florisil clean-up, via EPA Method 3620B / 3620C, to reduce matrix interferences: PDI-WC-LW1-110623 (480-214672-1) and PDI-WC-LW2-110623 (480-214672-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: PDI-WC-LW1-110623
Lab Sample ID: 480-214672-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.2	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	28		10	3.0	ug/L	1		8260C	Total/NA
Benzene	5.9		1.0	0.41	ug/L	1		8260C	Total/NA
Carbon disulfide	1.3		1.0	0.19	ug/L	1		8260C	Total/NA
Cyclohexane	1.1		1.0	0.18	ug/L	1		8260C	Total/NA
Ethylbenzene	35		1.0	0.74	ug/L	1		8260C	Total/NA
Isopropylbenzene	9.5		1.0	0.79	ug/L	1		8260C	Total/NA
Methylcyclohexane	3.4		1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	3.4		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	67		2.0	0.66	ug/L	1		8260C	Total/NA
Acenaphthene	4.3	J	25	2.1	ug/L	5		8270D	Total/NA
Anthracene	5.4	J	25	1.4	ug/L	5		8270D	Total/NA
Benzo[a]anthracene	3.0	J	25	1.8	ug/L	5		8270D	Total/NA
Benzo[a]pyrene	2.6	J	25	2.4	ug/L	5		8270D	Total/NA
Benzo[b]fluoranthene	2.6	J	25	1.7	ug/L	5		8270D	Total/NA
Benzo[g,h,i]perylene	2.0	J	25	1.8	ug/L	5		8270D	Total/NA
Chrysene	2.5	J	25	1.7	ug/L	5		8270D	Total/NA
Fluoranthene	6.6	J	25	2.0	ug/L	5		8270D	Total/NA
Fluorene	7.4	J	25	1.8	ug/L	5		8270D	Total/NA
Phenanthrene	14	J	25	2.2	ug/L	5		8270D	Total/NA
Pyrene	8.7	J	25	1.7	ug/L	5		8270D	Total/NA
4,4'-DDT	0.17	J	0.25	0.055	ug/L	5		8081B	Total/NA
Aluminum	21.5		0.20	0.060	mg/L	1		6010C	Total/NA
Antimony	0.011	J	0.020	0.0068	mg/L	1		6010C	Total/NA
Arsenic	0.32		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.15		0.0020	0.00070	mg/L	1		6010C	Total/NA
Beryllium	0.0013	J	0.0020	0.00030	mg/L	1		6010C	Total/NA
Cadmium	0.0015	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	173		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.072		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.018		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.087		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	37.6		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.19		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	29.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.77		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.051		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	23.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	175		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.054		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.22	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.0013		0.00040	0.000086	mg/L	1		7470A	Total/NA
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
Cyanide, Total	5.7	B	0.20	0.082	mg/L	20		9012B	Total/NA
pH	7.06	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	20.3	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	10	J	20	6.0	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PDI-WC-LW2-110623 (Continued)
Lab Sample ID: 480-214672-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2.3		2.0	1.5	ug/L	2		8260C	Total/NA
Methylcyclohexane	1.3	J	2.0	0.32	ug/L	2		8260C	Total/NA
Xylenes, Total	6.2		4.0	1.3	ug/L	2		8260C	Total/NA
Acenaphthene	17	J	130	10	ug/L	5		8270D	Total/NA
Anthracene	18	J	130	7.0	ug/L	5		8270D	Total/NA
Benzo[a]anthracene	13	J	130	9.0	ug/L	5		8270D	Total/NA
Benzo[b]fluoranthene	17	J	130	8.5	ug/L	5		8270D	Total/NA
Benzo[g,h,i]perylene	9.2	J	130	8.8	ug/L	5		8270D	Total/NA
Chrysene	10	J	130	8.3	ug/L	5		8270D	Total/NA
Di-n-butyl phthalate	11	J	130	7.8	ug/L	5		8270D	Total/NA
Fluoranthene	31	J	130	10	ug/L	5		8270D	Total/NA
Fluorene	30	J	130	9.0	ug/L	5		8270D	Total/NA
Phenanthrene	54	J	130	11	ug/L	5		8270D	Total/NA
Pyrene	36	J	130	8.5	ug/L	5		8270D	Total/NA
4,4'-DDT	0.18	J	0.26	0.057	ug/L	5		8081B	Total/NA
Endrin aldehyde	0.11	J	0.26	0.085	ug/L	5		8081B	Total/NA
Methoxychlor	0.14	J	0.26	0.073	ug/L	5		8081B	Total/NA
Aluminum	116		0.20	0.060	mg/L	1		6010C	Total/NA
Antimony	0.091		0.020	0.0068	mg/L	1		6010C	Total/NA
Arsenic	0.40		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.89		0.0020	0.00070	mg/L	1		6010C	Total/NA
Beryllium	0.0066		0.0020	0.00030	mg/L	1		6010C	Total/NA
Cadmium	0.011		0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	673		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.35		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.11		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	3.5		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	286		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.079		0.050	0.015	mg/L	5		6010C	Total/NA
Magnesium	123		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	5.1		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.36		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	43.2		0.50	0.10	mg/L	1		6010C	Total/NA
Selenium	0.011	J	0.025	0.0087	mg/L	1		6010C	Total/NA
Silver	0.032		0.0060	0.0017	mg/L	1		6010C	Total/NA
Sodium	206		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.24		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	6.3	B	0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.0081		0.0012	0.00026	mg/L	1		7470A	Total/NA
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
Cyanide, Total	1.2	B	0.050	0.021	mg/L	5		9012B	Total/NA
pH	7.50	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.9	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: PDI-WC-LW1-110623
Lab Sample ID: 480-214672-1
Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/13/23 15:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/13/23 15:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/13/23 15:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/13/23 15:20	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/13/23 15:20	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/13/23 15:20	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/13/23 15:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/13/23 15:20	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/13/23 15:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/13/23 15:20	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/13/23 15:20	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/13/23 15:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/13/23 15:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/13/23 15:20	1
2-Butanone (MEK)	**5.2**	**J**	10	1.3	ug/L			11/13/23 15:20	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/13/23 15:20	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/13/23 15:20	1
Acetone	**28**		10	3.0	ug/L			11/13/23 15:20	1
Benzene	**5.9**		1.0	0.41	ug/L			11/13/23 15:20	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/13/23 15:20	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/13/23 15:20	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/13/23 15:20	1
Carbon disulfide	**1.3**		1.0	0.19	ug/L			11/13/23 15:20	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/13/23 15:20	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/13/23 15:20	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/13/23 15:20	1
Chloroform	1.0	U	1.0	0.34	ug/L			11/13/23 15:20	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/13/23 15:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/13/23 15:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/13/23 15:20	1
Cyclohexane	**1.1**		1.0	0.18	ug/L			11/13/23 15:20	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/13/23 15:20	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/13/23 15:20	1
Ethylbenzene	**35**		1.0	0.74	ug/L			11/13/23 15:20	1
Isopropylbenzene	**9.5**		1.0	0.79	ug/L			11/13/23 15:20	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/13/23 15:20	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/13/23 15:20	1
Methylcyclohexane	**3.4**		1.0	0.16	ug/L			11/13/23 15:20	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/13/23 15:20	1
Styrene	1.0	U	1.0	0.73	ug/L			11/13/23 15:20	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/13/23 15:20	1
Toluene	**3.4**		1.0	0.51	ug/L			11/13/23 15:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/13/23 15:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/13/23 15:20	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/13/23 15:20	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/13/23 15:20	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/13/23 15:20	1
Xylenes, Total	**67**		2.0	0.66	ug/L			11/13/23 15:20	1

Client Sample ID: PDI-WC-LW1-110623
Lab Sample ID: 480-214672-1

Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/13/23 15:20*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/13/23 15:20*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*11/13/23 15:20*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/13/23 15:20*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	25	U	25	2.4	ug/L		11/09/23 16:25	11/11/23 10:46	5
2,4,6-Trichlorophenol	25	U	25	3.1	ug/L		11/09/23 16:25	11/11/23 10:46	5
2,4-Dichlorophenol	25	U	25	2.6	ug/L		11/09/23 16:25	11/11/23 10:46	5
2,4-Dimethylphenol	25	U	25	2.5	ug/L		11/09/23 16:25	11/11/23 10:46	5
2,4-Dinitrophenol	50	U	50	11	ug/L		11/09/23 16:25	11/11/23 10:46	5
2,4-Dinitrotoluene	25	U	25	2.2	ug/L		11/09/23 16:25	11/11/23 10:46	5
2,6-Dinitrotoluene	25	U	25	2.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
2-Chloronaphthalene	25	U	25	2.3	ug/L		11/09/23 16:25	11/11/23 10:46	5
2-Chlorophenol	25	U	25	2.7	ug/L		11/09/23 16:25	11/11/23 10:46	5
2-Methylnaphthalene	25	U	25	3.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
2-Methylphenol	25	U	25	2.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
2-Nitroaniline	50	U	50	2.1	ug/L		11/09/23 16:25	11/11/23 10:46	5
2-Nitrophenol	25	U	25	2.4	ug/L		11/09/23 16:25	11/11/23 10:46	5
3,3'-Dichlorobenzidine	25	U	25	2.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
3-Nitroaniline	50	U	50	2.4	ug/L		11/09/23 16:25	11/11/23 10:46	5
4,6-Dinitro-2-methylphenol	50	U	50	11	ug/L		11/09/23 16:25	11/11/23 10:46	5
4-Bromophenyl phenyl ether	25	U	25	2.3	ug/L		11/09/23 16:25	11/11/23 10:46	5
4-Chloro-3-methylphenol	25	U	25	2.3	ug/L		11/09/23 16:25	11/11/23 10:46	5
4-Chloroaniline	25	U	25	3.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
4-Chlorophenyl phenyl ether	25	U	25	1.8	ug/L		11/09/23 16:25	11/11/23 10:46	5
4-Methylphenol	50	U	50	1.8	ug/L		11/09/23 16:25	11/11/23 10:46	5
4-Nitroaniline	50	U	50	1.3	ug/L		11/09/23 16:25	11/11/23 10:46	5
4-Nitrophenol	50	U	50	7.6	ug/L		11/09/23 16:25	11/11/23 10:46	5
Acenaphthene	**4.3**	**J**	25	2.1	ug/L		11/09/23 16:25	11/11/23 10:46	5
Acenaphthylene	25	U	25	1.9	ug/L		11/09/23 16:25	11/11/23 10:46	5
Acetophenone	25	U	25	2.7	ug/L		11/09/23 16:25	11/11/23 10:46	5
Anthracene	**5.4**	**J**	25	1.4	ug/L		11/09/23 16:25	11/11/23 10:46	5
Atrazine	25	U	25	2.3	ug/L		11/09/23 16:25	11/11/23 10:46	5
Benzaldehyde	25	U	25	1.3	ug/L		11/09/23 16:25	11/11/23 10:46	5
Benzo[a]anthracene	**3.0**	**J**	25	1.8	ug/L		11/09/23 16:25	11/11/23 10:46	5
Benzo[a]pyrene	**2.6**	**J**	25	2.4	ug/L		11/09/23 16:25	11/11/23 10:46	5
Benzo[b]fluoranthene	**2.6**	**J**	25	1.7	ug/L		11/09/23 16:25	11/11/23 10:46	5
Benzo[g,h,i]perylene	**2.0**	**J**	25	1.8	ug/L		11/09/23 16:25	11/11/23 10:46	5
Benzo[k]fluoranthene	25	U	25	3.7	ug/L		11/09/23 16:25	11/11/23 10:46	5
Biphenyl	25	U	25	3.3	ug/L		11/09/23 16:25	11/11/23 10:46	5
bis (2-chloroisopropyl) ether	25	U	25	2.6	ug/L		11/09/23 16:25	11/11/23 10:46	5
Bis(2-chloroethoxy)methane	25	U	25	1.8	ug/L		11/09/23 16:25	11/11/23 10:46	5
Bis(2-chloroethyl)ether	25	U	25	2.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
Bis(2-ethylhexyl) phthalate	25	U	25	11	ug/L		11/09/23 16:25	11/11/23 10:46	5
Butyl benzyl phthalate	25	U	25	5.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
Caprolactam	25	U	25	11	ug/L		11/09/23 16:25	11/11/23 10:46	5
Carbazole	25	U	25	1.5	ug/L		11/09/23 16:25	11/11/23 10:46	5
Chrysene	**2.5**	**J**	25	1.7	ug/L		11/09/23 16:25	11/11/23 10:46	5

Client Sample ID: PDI-WC-LW1-110623
Lab Sample ID: 480-214672-1

Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	25	U	25	2.1	ug/L		11/09/23 16:25	11/11/23 10:46	5
Dibenzofuran	50	U	50	2.6	ug/L		11/09/23 16:25	11/11/23 10:46	5
Diethyl phthalate	25	U	25	1.1	ug/L		11/09/23 16:25	11/11/23 10:46	5
Dimethyl phthalate	25	U	25	1.8	ug/L		11/09/23 16:25	11/11/23 10:46	5
Di-n-butyl phthalate	25	U	25	1.6	ug/L		11/09/23 16:25	11/11/23 10:46	5
Di-n-octyl phthalate	25	U	25	2.4	ug/L		11/09/23 16:25	11/11/23 10:46	5
Fluoranthene	**6.6**	**J**	25	2.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
Fluorene	**7.4**	**J**	25	1.8	ug/L		11/09/23 16:25	11/11/23 10:46	5
Hexachlorobenzene	25	U	25	2.6	ug/L		11/09/23 16:25	11/11/23 10:46	5
Hexachlorobutadiene	25	U	25	3.4	ug/L		11/09/23 16:25	11/11/23 10:46	5
Hexachlorocyclopentadiene	25	U	25	3.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
Hexachloroethane	25	U	25	3.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
Indeno[1,2,3-cd]pyrene	25	U	25	2.4	ug/L		11/09/23 16:25	11/11/23 10:46	5
Isophorone	25	U	25	2.2	ug/L		11/09/23 16:25	11/11/23 10:46	5
Naphthalene	25	U	25	3.8	ug/L		11/09/23 16:25	11/11/23 10:46	5
Nitrobenzene	25	U	25	1.5	ug/L		11/09/23 16:25	11/11/23 10:46	5
N-Nitrosodi-n-propylamine	25	U	25	2.7	ug/L		11/09/23 16:25	11/11/23 10:46	5
N-Nitrosodiphenylamine	25	U	25	2.6	ug/L		11/09/23 16:25	11/11/23 10:46	5
Pentachlorophenol	50	U	50	11	ug/L		11/09/23 16:25	11/11/23 10:46	5
Phenanthrene	**14**	**J**	25	2.2	ug/L		11/09/23 16:25	11/11/23 10:46	5
Phenol	25	U	25	2.0	ug/L		11/09/23 16:25	11/11/23 10:46	5
Pyrene	**8.7**	**J**	25	1.7	ug/L		11/09/23 16:25	11/11/23 10:46	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*41 - 120*	*11/09/23 16:25*	*11/11/23 10:46*	*5*
2-Fluorobiphenyl (Surr)	*83*		*48 - 120*	*11/09/23 16:25*	*11/11/23 10:46*	*5*
2-Fluorophenol (Surr)	*69*		*35 - 120*	*11/09/23 16:25*	*11/11/23 10:46*	*5*
Nitrobenzene-d5 (Surr)	*86*		*46 - 120*	*11/09/23 16:25*	*11/11/23 10:46*	*5*
Phenol-d5 (Surr)	*52*		*22 - 120*	*11/09/23 16:25*	*11/11/23 10:46*	*5*
p-Terphenyl-d14 (Surr)	*78*		*60 - 148*	*11/09/23 16:25*	*11/11/23 10:46*	*5*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.25	U	0.25	0.046	ug/L		11/13/23 07:17	11/14/23 13:55	5
4,4'-DDE	0.25	U	0.25	0.058	ug/L		11/13/23 07:17	11/14/23 13:55	5
4,4'-DDT	**0.17**	**J**	0.25	0.055	ug/L		11/13/23 07:17	11/14/23 13:55	5
Aldrin	0.25	U	0.25	0.041	ug/L		11/13/23 07:17	11/14/23 13:55	5
alpha-BHC	0.25	U	0.25	0.039	ug/L		11/13/23 07:17	11/14/23 13:55	5
beta-BHC	0.25	U	0.25	0.12	ug/L		11/13/23 07:17	11/14/23 13:55	5
cis-Chlordane	0.25	U	0.25	0.074	ug/L		11/13/23 07:17	11/14/23 13:55	5
delta-BHC	0.25	U	0.25	0.050	ug/L		11/13/23 07:17	11/14/23 13:55	5
Dieldrin	0.25	U	0.25	0.049	ug/L		11/13/23 07:17	11/14/23 13:55	5
Endosulfan I	0.25	U	0.25	0.055	ug/L		11/13/23 07:17	11/14/23 13:55	5
Endosulfan II	0.25	U	0.25	0.060	ug/L		11/13/23 07:17	11/14/23 13:55	5
Endosulfan sulfate	0.25	U	0.25	0.079	ug/L		11/13/23 07:17	11/14/23 13:55	5
Endrin	0.25	U	0.25	0.069	ug/L		11/13/23 07:17	11/14/23 13:55	5
Endrin aldehyde	0.25	U	0.25	0.082	ug/L		11/13/23 07:17	11/14/23 13:55	5
Endrin ketone	0.25	U	0.25	0.060	ug/L		11/13/23 07:17	11/14/23 13:55	5
gamma-BHC (Lindane)	0.25	U	0.25	0.040	ug/L		11/13/23 07:17	11/14/23 13:55	5
Heptachlor	0.25	U	0.25	0.043	ug/L		11/13/23 07:17	11/14/23 13:55	5

Client Sample ID: PDI-WC-LW1-110623
Lab Sample ID: 480-214672-1

Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	0.25	U	0.25	0.037	ug/L		11/13/23 07:17	11/14/23 13:55	5
Methoxychlor	0.25	U	0.25	0.071	ug/L		11/13/23 07:17	11/14/23 13:55	5
Toxaphene	2.5	U	2.5	0.60	ug/L		11/13/23 07:17	11/14/23 13:55	5
trans-Chlordane	0.25	U	0.25	0.055	ug/L		11/13/23 07:17	11/14/23 13:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*20 - 120*	*11/13/23 07:17*	*11/14/23 13:55*	*5*
DCB Decachlorobiphenyl	*185*	*S1+*	*20 - 120*	*11/13/23 07:17*	*11/14/23 13:55*	*5*
Tetrachloro-m-xylene	*124*	*S1+*	*44 - 120*	*11/13/23 07:17*	*11/14/23 13:55*	*5*
Tetrachloro-m-xylene	*146*	*S1+*	*44 - 120*	*11/13/23 07:17*	*11/14/23 13:55*	*5*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 13:48	1
PCB-1221	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 13:48	1
PCB-1232	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 13:48	1
PCB-1242	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 13:48	1
PCB-1248	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 13:48	1
PCB-1254	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 13:48	1
PCB-1260	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 13:48	1
PCB-1262	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 13:48	1
PCB-1268	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 13:48	1
Polychlorinated biphenyls, Total	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*31*		*19 - 120*	*11/16/23 06:55*	*11/17/23 13:48*	*1*
DCB Decachlorobiphenyl	*34*		*19 - 120*	*11/16/23 06:55*	*11/17/23 13:48*	*1*
Tetrachloro-m-xylene	*47*		*39 - 121*	*11/16/23 06:55*	*11/17/23 13:48*	*1*
Tetrachloro-m-xylene	*52*		*39 - 121*	*11/16/23 06:55*	*11/17/23 13:48*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	5.0	U	5.0	0.68	ug/L		11/10/23 08:36	11/14/23 07:26	10
2,4-D	5.0	U	5.0	1.7	ug/L		11/10/23 08:36	11/14/23 07:26	10
Dichlorprop	5.0	U	5.0	1.2	ug/L		11/10/23 08:36	11/14/23 07:26	10
Dinoseb	5.0	U *+	5.0	1.4	ug/L		11/10/23 08:36	11/14/23 07:26	10
Pentachlorophenol	5.0	U	5.0	0.49	ug/L		11/10/23 08:36	11/14/23 07:26	10
Picloram	5.0	U	5.0	0.72	ug/L		11/10/23 08:36	11/14/23 07:26	10
Silvex (2,4,5-TP)	5.0	U	5.0	0.50	ug/L		11/10/23 08:36	11/14/23 07:26	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*997*	*S1+*	*21 - 143*	*11/10/23 08:36*	*11/14/23 07:26*	*10*
2,4-Dichlorophenylacetic acid	*366*	*S1+*	*21 - 143*	*11/10/23 08:36*	*11/14/23 07:26*	*10*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**21.5**		0.20	0.060	mg/L		11/13/23 08:57	11/18/23 02:40	1
Antimony	**0.011**	**J**	0.020	0.0068	mg/L		11/13/23 08:57	11/18/23 02:40	1
Arsenic	**0.32**		0.015	0.0056	mg/L		11/13/23 08:57	11/18/23 02:40	1
Barium	**0.15**		0.0020	0.00070	mg/L		11/13/23 08:57	11/18/23 02:40	1
Beryllium	**0.0013**	**J**	0.0020	0.00030	mg/L		11/13/23 08:57	11/18/23 02:40	1

Client Sample ID: PDI-WC-LW1-110623
Lab Sample ID: 480-214672-1
Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.0015**	**J**	0.0020	0.00050	mg/L		11/13/23 08:57	11/18/23 02:40	1
Calcium	**173**		0.50	0.10	mg/L		11/13/23 08:57	11/18/23 02:40	1
Chromium	**0.072**		0.0040	0.0010	mg/L		11/13/23 08:57	11/18/23 02:40	1
Cobalt	**0.018**		0.0040	0.00063	mg/L		11/13/23 08:57	11/18/23 02:40	1
Copper	**0.087**		0.010	0.0016	mg/L		11/13/23 08:57	11/18/23 02:40	1
Iron	**37.6**		0.050	0.019	mg/L		11/13/23 08:57	11/18/23 02:40	1
Lead	**0.19**		0.010	0.0030	mg/L		11/13/23 08:57	11/18/23 02:40	1
Magnesium	**29.4**		0.20	0.043	mg/L		11/13/23 08:57	11/18/23 02:40	1
Manganese	**0.77**		0.0030	0.00040	mg/L		11/13/23 08:57	11/18/23 02:40	1
Nickel	**0.051**		0.010	0.0013	mg/L		11/13/23 08:57	11/18/23 02:40	1
Potassium	**23.9**		0.50	0.10	mg/L		11/13/23 08:57	11/18/23 02:40	1
Selenium	0.025	U	0.025	0.0087	mg/L		11/13/23 08:57	11/18/23 02:40	1
Silver	0.0060	U	0.0060	0.0017	mg/L		11/13/23 08:57	11/18/23 02:40	1
Sodium	**175**		1.0	0.32	mg/L		11/13/23 08:57	11/18/23 02:40	1
Thallium	0.020	U	0.020	0.010	mg/L		11/13/23 08:57	11/18/23 02:40	1
Vanadium	**0.054**		0.0050	0.0015	mg/L		11/13/23 08:57	11/18/23 02:40	1
Zinc	**0.22**	**B**	0.010	0.0015	mg/L		11/13/23 08:57	11/18/23 02:40	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0013**		0.00040	0.000086	mg/L		11/10/23 11:45	11/10/23 14:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	10.0	U	10.0	10.0	mg/L		11/14/23 11:20	11/15/23 11:07	1
Cyanide, Total (SW846 9012B)	**5.7**	**B**	0.20	0.082	mg/L			11/16/23 15:14	20
Sulfide, Reactive (SW846 9034)	10.0	U	10.0	10.0	mg/L		11/14/23 11:20	11/16/23 10:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>180**		50.0	50.0	Degrees F			11/10/23 07:25	1
pH (SW846 9040C)	**7.06**	**HF**	0.100	0.100	SU			11/10/23 17:13	1
Temperature (SW846 9040C)	**20.3**	**HF**	0.00100	0.00100	Degrees C			11/10/23 17:13	1

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2
Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	1.6	ug/L			11/12/23 08:30	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			11/12/23 08:30	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			11/12/23 08:30	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			11/12/23 08:30	2
1,1-Dichloroethane	2.0	U	2.0	0.76	ug/L			11/12/23 08:30	2
1,1-Dichloroethene	2.0	U	2.0	0.58	ug/L			11/12/23 08:30	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			11/12/23 08:30	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			11/12/23 08:30	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			11/12/23 08:30	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			11/12/23 08:30	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			11/12/23 08:30	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			11/12/23 08:30	2

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2
Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			11/12/23 08:30	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			11/12/23 08:30	2
2-Butanone (MEK)	20	U	20	2.6	ug/L			11/12/23 08:30	2
2-Hexanone	10	U	10	2.5	ug/L			11/12/23 08:30	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			11/12/23 08:30	2
Acetone	**10**	**J**	20	6.0	ug/L			11/12/23 08:30	2
Benzene	2.0	U	2.0	0.82	ug/L			11/12/23 08:30	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			11/12/23 08:30	2
Bromoform	2.0	U	2.0	0.52	ug/L			11/12/23 08:30	2
Bromomethane	2.0	U	2.0	1.4	ug/L			11/12/23 08:30	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			11/12/23 08:30	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			11/12/23 08:30	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			11/12/23 08:30	2
Chloroethane	2.0	U	2.0	0.64	ug/L			11/12/23 08:30	2
Chloroform	2.0	U	2.0	0.68	ug/L			11/12/23 08:30	2
Chloromethane	2.0	U	2.0	0.70	ug/L			11/12/23 08:30	2
cis-1,2-Dichloroethene	2.0	U	2.0	1.6	ug/L			11/12/23 08:30	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			11/12/23 08:30	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			11/12/23 08:30	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			11/12/23 08:30	2
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			11/12/23 08:30	2
Ethylbenzene	**2.3**		2.0	1.5	ug/L			11/12/23 08:30	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			11/12/23 08:30	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			11/12/23 08:30	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			11/12/23 08:30	2
Methylcyclohexane	**1.3**	**J**	2.0	0.32	ug/L			11/12/23 08:30	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			11/12/23 08:30	2
Styrene	2.0	U	2.0	1.5	ug/L			11/12/23 08:30	2
Tetrachloroethene	2.0	U	2.0	0.72	ug/L			11/12/23 08:30	2
Toluene	2.0	U	2.0	1.0	ug/L			11/12/23 08:30	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			11/12/23 08:30	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			11/12/23 08:30	2
Trichloroethene	2.0	U	2.0	0.92	ug/L			11/12/23 08:30	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			11/12/23 08:30	2
Vinyl chloride	2.0	U	2.0	1.8	ug/L			11/12/23 08:30	2
Xylenes, Total	**6.2**		4.0	1.3	ug/L			11/12/23 08:30	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/12/23 08:30*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/12/23 08:30*	*2*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/12/23 08:30*	*2*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/12/23 08:30*	*2*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	130	U	130	12	ug/L		11/09/23 16:25	11/11/23 11:13	5
2,4,6-Trichlorophenol	130	U	130	15	ug/L		11/09/23 16:25	11/11/23 11:13	5
2,4-Dichlorophenol	130	U	130	13	ug/L		11/09/23 16:25	11/11/23 11:13	5
2,4-Dimethylphenol	130	U	130	13	ug/L		11/09/23 16:25	11/11/23 11:13	5
2,4-Dinitrophenol	250	U	250	56	ug/L		11/09/23 16:25	11/11/23 11:13	5

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2
Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	130	U	130	11	ug/L		11/09/23 16:25	11/11/23 11:13	5
2,6-Dinitrotoluene	130	U	130	10	ug/L		11/09/23 16:25	11/11/23 11:13	5
2-Chloronaphthalene	130	U	130	12	ug/L		11/09/23 16:25	11/11/23 11:13	5
2-Chlorophenol	130	U	130	13	ug/L		11/09/23 16:25	11/11/23 11:13	5
2-Methylnaphthalene	130	U	130	15	ug/L		11/09/23 16:25	11/11/23 11:13	5
2-Methylphenol	130	U	130	10	ug/L		11/09/23 16:25	11/11/23 11:13	5
2-Nitroaniline	250	U	250	11	ug/L		11/09/23 16:25	11/11/23 11:13	5
2-Nitrophenol	130	U	130	12	ug/L		11/09/23 16:25	11/11/23 11:13	5
3,3'-Dichlorobenzidine	130	U	130	10	ug/L		11/09/23 16:25	11/11/23 11:13	5
3-Nitroaniline	250	U	250	12	ug/L		11/09/23 16:25	11/11/23 11:13	5
4,6-Dinitro-2-methylphenol	250	U	250	55	ug/L		11/09/23 16:25	11/11/23 11:13	5
4-Bromophenyl phenyl ether	130	U	130	11	ug/L		11/09/23 16:25	11/11/23 11:13	5
4-Chloro-3-methylphenol	130	U	130	11	ug/L		11/09/23 16:25	11/11/23 11:13	5
4-Chloroaniline	130	U	130	15	ug/L		11/09/23 16:25	11/11/23 11:13	5
4-Chlorophenyl phenyl ether	130	U	130	8.8	ug/L		11/09/23 16:25	11/11/23 11:13	5
4-Methylphenol	250	U	250	9.0	ug/L		11/09/23 16:25	11/11/23 11:13	5
4-Nitroaniline	250	U	250	6.3	ug/L		11/09/23 16:25	11/11/23 11:13	5
4-Nitrophenol	250	U	250	38	ug/L		11/09/23 16:25	11/11/23 11:13	5
Acenaphthene	**17**	**J**	130	10	ug/L		11/09/23 16:25	11/11/23 11:13	5
Acenaphthylene	130	U	130	9.5	ug/L		11/09/23 16:25	11/11/23 11:13	5
Acetophenone	130	U	130	14	ug/L		11/09/23 16:25	11/11/23 11:13	5
Anthracene	**18**	**J**	130	7.0	ug/L		11/09/23 16:25	11/11/23 11:13	5
Atrazine	130	U	130	12	ug/L		11/09/23 16:25	11/11/23 11:13	5
Benzaldehyde	130	U	130	6.7	ug/L		11/09/23 16:25	11/11/23 11:13	5
Benzo[a]anthracene	**13**	**J**	130	9.0	ug/L		11/09/23 16:25	11/11/23 11:13	5
Benzo[a]pyrene	130	U	130	12	ug/L		11/09/23 16:25	11/11/23 11:13	5
Benzo[b]fluoranthene	**17**	**J**	130	8.5	ug/L		11/09/23 16:25	11/11/23 11:13	5
Benzo[g,h,i]perylene	**9.2**	**J**	130	8.8	ug/L		11/09/23 16:25	11/11/23 11:13	5
Benzo[k]fluoranthene	130	U	130	18	ug/L		11/09/23 16:25	11/11/23 11:13	5
Biphenyl	130	U	130	16	ug/L		11/09/23 16:25	11/11/23 11:13	5
bis (2-chloroisopropyl) ether	130	U	130	13	ug/L		11/09/23 16:25	11/11/23 11:13	5
Bis(2-chloroethoxy)methane	130	U	130	8.8	ug/L		11/09/23 16:25	11/11/23 11:13	5
Bis(2-chloroethyl)ether	130	U	130	10	ug/L		11/09/23 16:25	11/11/23 11:13	5
Bis(2-ethylhexyl) phthalate	130	U	130	55	ug/L		11/09/23 16:25	11/11/23 11:13	5
Butyl benzyl phthalate	130	U	130	25	ug/L		11/09/23 16:25	11/11/23 11:13	5
Caprolactam	130	U	130	55	ug/L		11/09/23 16:25	11/11/23 11:13	5
Carbazole	130	U	130	7.5	ug/L		11/09/23 16:25	11/11/23 11:13	5
Chrysene	**10**	**J**	130	8.3	ug/L		11/09/23 16:25	11/11/23 11:13	5
Dibenz(a,h)anthracene	130	U	130	11	ug/L		11/09/23 16:25	11/11/23 11:13	5
Dibenzofuran	250	U	250	13	ug/L		11/09/23 16:25	11/11/23 11:13	5
Diethyl phthalate	130	U	130	5.5	ug/L		11/09/23 16:25	11/11/23 11:13	5
Dimethyl phthalate	130	U	130	9.0	ug/L		11/09/23 16:25	11/11/23 11:13	5
Di-n-butyl phthalate	**11**	**J**	130	7.8	ug/L		11/09/23 16:25	11/11/23 11:13	5
Di-n-octyl phthalate	130	U	130	12	ug/L		11/09/23 16:25	11/11/23 11:13	5
Fluoranthene	**31**	**J**	130	10	ug/L		11/09/23 16:25	11/11/23 11:13	5
Fluorene	**30**	**J**	130	9.0	ug/L		11/09/23 16:25	11/11/23 11:13	5
Hexachlorobenzene	130	U	130	13	ug/L		11/09/23 16:25	11/11/23 11:13	5
Hexachlorobutadiene	130	U	130	17	ug/L		11/09/23 16:25	11/11/23 11:13	5
Hexachlorocyclopentadiene	130	U	130	15	ug/L		11/09/23 16:25	11/11/23 11:13	5

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2

Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	130	U	130	15	ug/L		11/09/23 16:25	11/11/23 11:13	5
Indeno[1,2,3-cd]pyrene	130	U	130	12	ug/L		11/09/23 16:25	11/11/23 11:13	5
Isophorone	130	U	130	11	ug/L		11/09/23 16:25	11/11/23 11:13	5
Naphthalene	130	U	130	19	ug/L		11/09/23 16:25	11/11/23 11:13	5
Nitrobenzene	130	U	130	7.3	ug/L		11/09/23 16:25	11/11/23 11:13	5
N-Nitrosodi-n-propylamine	130	U	130	14	ug/L		11/09/23 16:25	11/11/23 11:13	5
N-Nitrosodiphenylamine	130	U	130	13	ug/L		11/09/23 16:25	11/11/23 11:13	5
Pentachlorophenol	250	U	250	55	ug/L		11/09/23 16:25	11/11/23 11:13	5
Phenanthrene	**54**	**J**	130	11	ug/L		11/09/23 16:25	11/11/23 11:13	5
Phenol	130	U	130	9.8	ug/L		11/09/23 16:25	11/11/23 11:13	5
Pyrene	**36**	**J**	130	8.5	ug/L		11/09/23 16:25	11/11/23 11:13	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*41 - 120*	*11/09/23 16:25*	*11/11/23 11:13*	*5*
2-Fluorobiphenyl (Surr)	*79*		*48 - 120*	*11/09/23 16:25*	*11/11/23 11:13*	*5*
2-Fluorophenol (Surr)	*60*		*35 - 120*	*11/09/23 16:25*	*11/11/23 11:13*	*5*
Nitrobenzene-d5 (Surr)	*75*		*46 - 120*	*11/09/23 16:25*	*11/11/23 11:13*	*5*
Phenol-d5 (Surr)	*48*		*22 - 120*	*11/09/23 16:25*	*11/11/23 11:13*	*5*
p-Terphenyl-d14 (Surr)	*81*		*60 - 148*	*11/09/23 16:25*	*11/11/23 11:13*	*5*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.26	U	0.26	0.048	ug/L		11/13/23 07:17	11/14/23 14:14	5
4,4'-DDE	0.26	U	0.26	0.060	ug/L		11/13/23 07:17	11/14/23 14:14	5
4,4'-DDT	**0.18**	**J**	0.26	0.057	ug/L		11/13/23 07:17	11/14/23 14:14	5
Aldrin	0.26	U	0.26	0.042	ug/L		11/13/23 07:17	11/14/23 14:14	5
alpha-BHC	0.26	U	0.26	0.040	ug/L		11/13/23 07:17	11/14/23 14:14	5
beta-BHC	0.26	U	0.26	0.13	ug/L		11/13/23 07:17	11/14/23 14:14	5
cis-Chlordane	0.26	U	0.26	0.077	ug/L		11/13/23 07:17	11/14/23 14:14	5
delta-BHC	0.26	U	0.26	0.052	ug/L		11/13/23 07:17	11/14/23 14:14	5
Dieldrin	0.26	U	0.26	0.051	ug/L		11/13/23 07:17	11/14/23 14:14	5
Endosulfan I	0.26	U	0.26	0.057	ug/L		11/13/23 07:17	11/14/23 14:14	5
Endosulfan II	0.26	U	0.26	0.063	ug/L		11/13/23 07:17	11/14/23 14:14	5
Endosulfan sulfate	0.26	U	0.26	0.082	ug/L		11/13/23 07:17	11/14/23 14:14	5
Endrin	0.26	U	0.26	0.072	ug/L		11/13/23 07:17	11/14/23 14:14	5
Endrin aldehyde	**0.11**	**J**	0.26	0.085	ug/L		11/13/23 07:17	11/14/23 14:14	5
Endrin ketone	0.26	U	0.26	0.063	ug/L		11/13/23 07:17	11/14/23 14:14	5
gamma-BHC (Lindane)	0.26	U	0.26	0.042	ug/L		11/13/23 07:17	11/14/23 14:14	5
Heptachlor	0.26	U	0.26	0.044	ug/L		11/13/23 07:17	11/14/23 14:14	5
Heptachlor epoxide	0.26	U	0.26	0.039	ug/L		11/13/23 07:17	11/14/23 14:14	5
Methoxychlor	**0.14**	**J**	0.26	0.073	ug/L		11/13/23 07:17	11/14/23 14:14	5
Toxaphene	2.6	U	2.6	0.63	ug/L		11/13/23 07:17	11/14/23 14:14	5
trans-Chlordane	0.26	U	0.26	0.057	ug/L		11/13/23 07:17	11/14/23 14:14	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*38*		*20 - 120*	*11/13/23 07:17*	*11/14/23 14:14*	*5*
DCB Decachlorobiphenyl	*162*	*S1+*	*20 - 120*	*11/13/23 07:17*	*11/14/23 14:14*	*5*
Tetrachloro-m-xylene	*70*		*44 - 120*	*11/13/23 07:17*	*11/14/23 14:14*	*5*
Tetrachloro-m-xylene	*83*		*44 - 120*	*11/13/23 07:17*	*11/14/23 14:14*	*5*

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2

Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.52	U	0.52	0.18	ug/L		11/16/23 06:55	11/17/23 14:06	1
PCB-1221	0.52	U	0.52	0.18	ug/L		11/16/23 06:55	11/17/23 14:06	1
PCB-1232	0.52	U	0.52	0.18	ug/L		11/16/23 06:55	11/17/23 14:06	1
PCB-1242	0.52	U	0.52	0.18	ug/L		11/16/23 06:55	11/17/23 14:06	1
PCB-1248	0.52	U	0.52	0.18	ug/L		11/16/23 06:55	11/17/23 14:06	1
PCB-1254	0.52	U	0.52	0.26	ug/L		11/16/23 06:55	11/17/23 14:06	1
PCB-1260	0.52	U	0.52	0.26	ug/L		11/16/23 06:55	11/17/23 14:06	1
PCB-1262	0.52	U	0.52	0.26	ug/L		11/16/23 06:55	11/17/23 14:06	1
PCB-1268	0.52	U	0.52	0.26	ug/L		11/16/23 06:55	11/17/23 14:06	1
Polychlorinated biphenyls, Total	0.52	U	0.52	0.26	ug/L		11/16/23 06:55	11/17/23 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*24*		*19 - 120*	*11/16/23 06:55*	*11/17/23 14:06*	*1*
DCB Decachlorobiphenyl	*25*		*19 - 120*	*11/16/23 06:55*	*11/17/23 14:06*	*1*
Tetrachloro-m-xylene	*38*	*S1-*	*39 - 121*	*11/16/23 06:55*	*11/17/23 14:06*	*1*
Tetrachloro-m-xylene	*43*		*39 - 121*	*11/16/23 06:55*	*11/17/23 14:06*	*1*

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	5.4	U	5.4	0.73	ug/L		11/10/23 08:36	11/14/23 07:42	10
2,4-D	5.4	U	5.4	1.8	ug/L		11/10/23 08:36	11/14/23 07:42	10
Dichlorprop	5.4	U	5.4	1.2	ug/L		11/10/23 08:36	11/14/23 07:42	10
Dinoseb	5.4	U *+	5.4	1.5	ug/L		11/10/23 08:36	11/14/23 07:42	10
Pentachlorophenol	5.4	U	5.4	0.53	ug/L		11/10/23 08:36	11/14/23 07:42	10
Picloram	5.4	U	5.4	0.77	ug/L		11/10/23 08:36	11/14/23 07:42	10
Silvex (2,4,5-TP)	5.4	U	5.4	0.54	ug/L		11/10/23 08:36	11/14/23 07:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*503*	*S1+*	*21 - 143*	*11/10/23 08:36*	*11/14/23 07:42*	*10*
2,4-Dichlorophenylacetic acid	*162*	*S1+*	*21 - 143*	*11/10/23 08:36*	*11/14/23 07:42*	*10*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**116**		0.20	0.060	mg/L		11/13/23 08:57	11/18/23 02:43	1
Antimony	**0.091**		0.020	0.0068	mg/L		11/13/23 08:57	11/18/23 02:43	1
Arsenic	**0.40**		0.015	0.0056	mg/L		11/13/23 08:57	11/18/23 02:43	1
Barium	**0.89**		0.0020	0.00070	mg/L		11/13/23 08:57	11/18/23 02:43	1
Beryllium	**0.0066**		0.0020	0.00030	mg/L		11/13/23 08:57	11/18/23 02:43	1
Cadmium	**0.011**		0.0020	0.00050	mg/L		11/13/23 08:57	11/18/23 02:43	1
Calcium	**673**		0.50	0.10	mg/L		11/13/23 08:57	11/18/23 02:43	1
Chromium	**0.35**		0.0040	0.0010	mg/L		11/13/23 08:57	11/18/23 02:43	1
Cobalt	**0.11**		0.0040	0.00063	mg/L		11/13/23 08:57	11/18/23 02:43	1
Copper	**3.5**		0.010	0.0016	mg/L		11/13/23 08:57	11/18/23 02:43	1
Iron	**286**		0.050	0.019	mg/L		11/13/23 08:57	11/18/23 02:43	1
Lead	**0.079**		0.050	0.015	mg/L		11/13/23 08:57	11/21/23 17:37	5
Magnesium	**123**		0.20	0.043	mg/L		11/13/23 08:57	11/18/23 02:43	1
Manganese	**5.1**		0.0030	0.00040	mg/L		11/13/23 08:57	11/18/23 02:43	1
Nickel	**0.36**		0.010	0.0013	mg/L		11/13/23 08:57	11/18/23 02:43	1
Potassium	**43.2**		0.50	0.10	mg/L		11/13/23 08:57	11/18/23 02:43	1
Selenium	**0.011**	**J**	0.025	0.0087	mg/L		11/13/23 08:57	11/18/23 02:43	1

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2

Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.032**		0.0060	0.0017	mg/L		11/13/23 08:57	11/18/23 02:43	1
Sodium	**206**		1.0	0.32	mg/L		11/13/23 08:57	11/18/23 02:43	1
Thallium	0.020	U	0.020	0.010	mg/L		11/13/23 08:57	11/18/23 02:43	1
Vanadium	**0.24**		0.0050	0.0015	mg/L		11/13/23 08:57	11/18/23 02:43	1
Zinc	**6.3**	**B**	0.010	0.0015	mg/L		11/13/23 08:57	11/18/23 02:43	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0081**		0.0012	0.00026	mg/L		11/10/23 11:45	11/10/23 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	10.0	U	10.0	10.0	mg/L		11/14/23 11:20	11/15/23 11:08	1
Cyanide, Total (SW846 9012B)	**1.2**	**B**	0.050	0.021	mg/L			11/16/23 15:16	5
Sulfide, Reactive (SW846 9034)	10.0	U	10.0	10.0	mg/L		11/14/23 11:20	11/16/23 10:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>180**		50.0	50.0	Degrees F			11/10/23 07:25	1
pH (SW846 9040C)	**7.50**	**HF**	0.100	0.100	SU			11/10/23 17:19	1
Temperature (SW846 9040C)	**19.9**	**HF**	0.00100	0.00100	Degrees C			11/10/23 17:19	1

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-214672-1	PDI-WC-LW1-110623	111	99	105	96
480-214672-2	PDI-WC-LW2-110623	102	103	104	101
LCS 480-691523/6	Lab Control Sample	100	100	101	99
LCS 480-691680/6	Lab Control Sample	101	103	103	99
MB 480-691523/8	Method Blank	101	98	103	101
MB 480-691680/8	Method Blank	102	97	98	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(22-120)	(60-148)
480-214672-1	PDI-WC-LW1-110623	87	83	69	86	52	78
480-214672-2	PDI-WC-LW2-110623	75	79	60	75	48	81
LCS 480-691259/2-A	Lab Control Sample	84	88	74	94	59	97
MB 480-691259/1-A	Method Blank	77	100	76	97	59	107

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-120)	(20-120)	(44-120)	(44-120)
480-214672-1	PDI-WC-LW1-110623	56	185 S1+	124 S1+	146 S1+
480-214672-2	PDI-WC-LW2-110623	38	162 S1+	70	83
LCS 480-691622/2-A	Lab Control Sample	38	34	73	67
MB 480-691622/1-A	Method Blank	36	34	80	75

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(19-120)	(19-120)	(39-121)	(39-121)
480-214672-1	PDI-WC-LW1-110623	31	34	47	52
480-214672-2	PDI-WC-LW2-110623	24	25	38 S1-	43
LCS 480-692151/2-A	Lab Control Sample	38	42	67	68
MB 480-692151/1-A	Method Blank	46	50	81	84

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(21-143)	(21-143)
480-214672-1	PDI-WC-LW1-110623	997 S1+	366 S1+
480-214672-2	PDI-WC-LW2-110623	503 S1+	162 S1+
LCS 480-691325/2-A	Lab Control Sample	143	116
MB 480-691325/1-A	Method Blank	91	75

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-691523/8
Matrix: Water
Analysis Batch: 691523

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/12/23 02:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/12/23 02:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/12/23 02:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/12/23 02:38	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/12/23 02:38	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/12/23 02:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/12/23 02:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/12/23 02:38	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/12/23 02:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/12/23 02:38	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/12/23 02:38	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/12/23 02:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/12/23 02:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/12/23 02:38	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/12/23 02:38	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/12/23 02:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/12/23 02:38	1
Acetone	10	U	10	3.0	ug/L			11/12/23 02:38	1
Benzene	1.0	U	1.0	0.41	ug/L			11/12/23 02:38	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/12/23 02:38	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/12/23 02:38	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/12/23 02:38	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/12/23 02:38	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/12/23 02:38	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/12/23 02:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/12/23 02:38	1
Chloroform	1.0	U	1.0	0.34	ug/L			11/12/23 02:38	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/12/23 02:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/12/23 02:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/12/23 02:38	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/12/23 02:38	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/12/23 02:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/12/23 02:38	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/12/23 02:38	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/12/23 02:38	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/12/23 02:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/12/23 02:38	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/12/23 02:38	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/12/23 02:38	1
Styrene	1.0	U	1.0	0.73	ug/L			11/12/23 02:38	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/12/23 02:38	1
Toluene	1.0	U	1.0	0.51	ug/L			11/12/23 02:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/12/23 02:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/12/23 02:38	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/12/23 02:38	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/12/23 02:38	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/12/23 02:38	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/12/23 02:38	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-691523/8
Matrix: Water
Analysis Batch: 691523

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/12/23 02:38	1
4-Bromofluorobenzene (Surr)	98		73 - 120		11/12/23 02:38	1
Dibromofluoromethane (Surr)	103		75 - 123		11/12/23 02:38	1
Toluene-d8 (Surr)	101		80 - 120		11/12/23 02:38	1

Lab Sample ID: LCS 480-691523/6
Matrix: Water
Analysis Batch: 691523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.1		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.7		ug/L		91	61 - 148
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	23.0		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	23.2		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.4		ug/L		98	56 - 134
1,2-Dibromoethane	25.0	23.4		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	22.6		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	22.8		ug/L		91	76 - 120
1,3-Dichlorobenzene	25.0	22.4		ug/L		90	77 - 120
1,4-Dichlorobenzene	25.0	22.3		ug/L		89	80 - 120
2-Butanone (MEK)	125	128		ug/L		102	57 - 140
2-Hexanone	125	120		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	142		ug/L		113	56 - 142
Benzene	25.0	22.9		ug/L		91	71 - 124
Bromodichloromethane	25.0	23.5		ug/L		94	80 - 122
Bromoform	25.0	25.7		ug/L		103	61 - 132
Bromomethane	25.0	22.9		ug/L		92	55 - 144
Carbon disulfide	25.0	21.2		ug/L		85	59 - 134
Carbon tetrachloride	25.0	26.2		ug/L		105	72 - 134
Chlorobenzene	25.0	22.7		ug/L		91	80 - 120
Chloroethane	25.0	27.3		ug/L		109	69 - 136
Chloroform	25.0	22.1		ug/L		89	73 - 127
Chloromethane	25.0	25.5		ug/L		102	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	22.6		ug/L		91	74 - 124
Cyclohexane	25.0	23.4		ug/L		93	59 - 135
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	28.0		ug/L		112	59 - 135
Ethylbenzene	25.0	23.1		ug/L		92	77 - 123
Isopropylbenzene	25.0	23.5		ug/L		94	77 - 122
Methyl acetate	50.0	49.6		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	22.5		ug/L		90	77 - 120
Methylcyclohexane	25.0	23.8		ug/L		95	68 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-691523/6
Matrix: Water
Analysis Batch: 691523

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	23.3		ug/L		93	75 - 124
Styrene	25.0	23.0		ug/L		92	80 - 120
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	22.3		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
Trichloroethene	25.0	23.0		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	27.4		ug/L		110	62 - 150
Vinyl chloride	25.0	27.3		ug/L		109	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-691680/8
Matrix: Water
Analysis Batch: 691680

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			11/13/23 14:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			11/13/23 14:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			11/13/23 14:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			11/13/23 14:02	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			11/13/23 14:02	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			11/13/23 14:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			11/13/23 14:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			11/13/23 14:02	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			11/13/23 14:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			11/13/23 14:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			11/13/23 14:02	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			11/13/23 14:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			11/13/23 14:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			11/13/23 14:02	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			11/13/23 14:02	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			11/13/23 14:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			11/13/23 14:02	1
Acetone	10	U	10	3.0	ug/L			11/13/23 14:02	1
Benzene	1.0	U	1.0	0.41	ug/L			11/13/23 14:02	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			11/13/23 14:02	1
Bromoform	1.0	U	1.0	0.26	ug/L			11/13/23 14:02	1
Bromomethane	1.0	U	1.0	0.69	ug/L			11/13/23 14:02	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			11/13/23 14:02	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			11/13/23 14:02	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			11/13/23 14:02	1
Chloroethane	1.0	U	1.0	0.32	ug/L			11/13/23 14:02	1
Chloroform	1.0	U	1.0	0.34	ug/L			11/13/23 14:02	1
Chloromethane	1.0	U	1.0	0.35	ug/L			11/13/23 14:02	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-691680/8
Matrix: Water
Analysis Batch: 691680

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			11/13/23 14:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			11/13/23 14:02	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			11/13/23 14:02	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			11/13/23 14:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			11/13/23 14:02	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			11/13/23 14:02	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			11/13/23 14:02	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			11/13/23 14:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			11/13/23 14:02	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			11/13/23 14:02	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			11/13/23 14:02	1
Styrene	1.0	U	1.0	0.73	ug/L			11/13/23 14:02	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			11/13/23 14:02	1
Toluene	1.0	U	1.0	0.51	ug/L			11/13/23 14:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			11/13/23 14:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			11/13/23 14:02	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			11/13/23 14:02	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			11/13/23 14:02	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			11/13/23 14:02	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			11/13/23 14:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*11/13/23 14:02*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/13/23 14:02*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/13/23 14:02*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/13/23 14:02*	*1*

Lab Sample ID: LCS 480-691680/6
Matrix: Water
Analysis Batch: 691680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.4		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.1		ug/L		88	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.0		ug/L		92	61 - 148
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	23.4		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	20.6		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	25.0	22.3		ug/L		89	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.2		ug/L		85	56 - 134
1,2-Dibromoethane	25.0	24.0		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	22.9		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	23.3		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	23.4		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	23.3		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
2-Hexanone	125	129		ug/L		103	65 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-691680/6
Matrix: Water
Analysis Batch: 691680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	123		ug/L		98	56 - 142
Benzene	25.0	23.0		ug/L		92	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	28.4		ug/L		114	61 - 132
Bromomethane	25.0	22.6		ug/L		90	55 - 144
Carbon disulfide	25.0	19.7		ug/L		79	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		111	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Chloroethane	25.0	22.8		ug/L		91	69 - 136
Chloroform	25.0	23.6		ug/L		95	73 - 127
Chloromethane	25.0	27.3		ug/L		109	68 - 124
cis-1,2-Dichloroethene	25.0	22.5		ug/L		90	74 - 124
cis-1,3-Dichloropropene	25.0	24.5		ug/L		98	74 - 124
Cyclohexane	25.0	24.7		ug/L		99	59 - 135
Dibromochloromethane	25.0	24.9		ug/L		99	75 - 125
Dichlorodifluoromethane	25.0	29.1		ug/L		117	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	46.0		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	22.4		ug/L		90	77 - 120
Methylcyclohexane	25.0	24.7		ug/L		99	68 - 134
Methylene Chloride	25.0	22.4		ug/L		90	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122
Toluene	25.0	23.5		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
Trichloroethene	25.0	23.9		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	24.8		ug/L		99	62 - 150
Vinyl chloride	25.0	28.9		ug/L		116	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-691259/1-A
Matrix: Water
Analysis Batch: 691402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		11/09/23 16:25	11/11/23 03:02	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		11/09/23 16:25	11/11/23 03:02	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		11/09/23 16:25	11/11/23 03:02	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		11/09/23 16:25	11/11/23 03:02	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		11/09/23 16:25	11/11/23 03:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-691259/1-A
Matrix: Water
Analysis Batch: 691402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		11/09/23 16:25	11/11/23 03:02	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		11/09/23 16:25	11/11/23 03:02	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		11/09/23 16:25	11/11/23 03:02	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		11/09/23 16:25	11/11/23 03:02	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		11/09/23 16:25	11/11/23 03:02	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		11/09/23 16:25	11/11/23 03:02	1
2-Nitroaniline	10	U	10	0.42	ug/L		11/09/23 16:25	11/11/23 03:02	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		11/09/23 16:25	11/11/23 03:02	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		11/09/23 16:25	11/11/23 03:02	1
3-Nitroaniline	10	U	10	0.48	ug/L		11/09/23 16:25	11/11/23 03:02	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		11/09/23 16:25	11/11/23 03:02	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		11/09/23 16:25	11/11/23 03:02	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		11/09/23 16:25	11/11/23 03:02	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		11/09/23 16:25	11/11/23 03:02	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		11/09/23 16:25	11/11/23 03:02	1
4-Methylphenol	10	U	10	0.36	ug/L		11/09/23 16:25	11/11/23 03:02	1
4-Nitroaniline	10	U	10	0.25	ug/L		11/09/23 16:25	11/11/23 03:02	1
4-Nitrophenol	10	U	10	1.5	ug/L		11/09/23 16:25	11/11/23 03:02	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		11/09/23 16:25	11/11/23 03:02	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		11/09/23 16:25	11/11/23 03:02	1
Acetophenone	5.0	U	5.0	0.54	ug/L		11/09/23 16:25	11/11/23 03:02	1
Anthracene	5.0	U	5.0	0.28	ug/L		11/09/23 16:25	11/11/23 03:02	1
Atrazine	5.0	U	5.0	0.46	ug/L		11/09/23 16:25	11/11/23 03:02	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		11/09/23 16:25	11/11/23 03:02	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		11/09/23 16:25	11/11/23 03:02	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		11/09/23 16:25	11/11/23 03:02	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		11/09/23 16:25	11/11/23 03:02	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		11/09/23 16:25	11/11/23 03:02	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		11/09/23 16:25	11/11/23 03:02	1
Biphenyl	5.0	U	5.0	0.65	ug/L		11/09/23 16:25	11/11/23 03:02	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		11/09/23 16:25	11/11/23 03:02	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		11/09/23 16:25	11/11/23 03:02	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		11/09/23 16:25	11/11/23 03:02	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		11/09/23 16:25	11/11/23 03:02	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		11/09/23 16:25	11/11/23 03:02	1
Caprolactam	5.0	U	5.0	2.2	ug/L		11/09/23 16:25	11/11/23 03:02	1
Carbazole	5.0	U	5.0	0.30	ug/L		11/09/23 16:25	11/11/23 03:02	1
Chrysene	5.0	U	5.0	0.33	ug/L		11/09/23 16:25	11/11/23 03:02	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		11/09/23 16:25	11/11/23 03:02	1
Dibenzofuran	10	U	10	0.51	ug/L		11/09/23 16:25	11/11/23 03:02	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		11/09/23 16:25	11/11/23 03:02	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		11/09/23 16:25	11/11/23 03:02	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		11/09/23 16:25	11/11/23 03:02	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		11/09/23 16:25	11/11/23 03:02	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		11/09/23 16:25	11/11/23 03:02	1
Fluorene	5.0	U	5.0	0.36	ug/L		11/09/23 16:25	11/11/23 03:02	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		11/09/23 16:25	11/11/23 03:02	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		11/09/23 16:25	11/11/23 03:02	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		11/09/23 16:25	11/11/23 03:02	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-691259/1-A
Matrix: Water
Analysis Batch: 691402

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	5.0	U	5.0	0.59	ug/L		11/09/23 16:25	11/11/23 03:02	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		11/09/23 16:25	11/11/23 03:02	1
Isophorone	5.0	U	5.0	0.43	ug/L		11/09/23 16:25	11/11/23 03:02	1
Naphthalene	5.0	U	5.0	0.76	ug/L		11/09/23 16:25	11/11/23 03:02	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		11/09/23 16:25	11/11/23 03:02	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		11/09/23 16:25	11/11/23 03:02	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		11/09/23 16:25	11/11/23 03:02	1
Pentachlorophenol	10	U	10	2.2	ug/L		11/09/23 16:25	11/11/23 03:02	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		11/09/23 16:25	11/11/23 03:02	1
Phenol	5.0	U	5.0	0.39	ug/L		11/09/23 16:25	11/11/23 03:02	1
Pyrene	5.0	U	5.0	0.34	ug/L		11/09/23 16:25	11/11/23 03:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*41 - 120*	*11/09/23 16:25*	*11/11/23 03:02*	*1*
2-Fluorobiphenyl (Surr)	*100*		*48 - 120*	*11/09/23 16:25*	*11/11/23 03:02*	*1*
2-Fluorophenol (Surr)	*76*		*35 - 120*	*11/09/23 16:25*	*11/11/23 03:02*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 120*	*11/09/23 16:25*	*11/11/23 03:02*	*1*
Phenol-d5 (Surr)	*59*		*22 - 120*	*11/09/23 16:25*	*11/11/23 03:02*	*1*
p-Terphenyl-d14 (Surr)	*107*		*60 - 148*	*11/09/23 16:25*	*11/11/23 03:02*	*1*

Lab Sample ID: LCS 480-691259/2-A
Matrix: Water
Analysis Batch: 691402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	32.0	28.4		ug/L		89	65 - 126
2,4,6-Trichlorophenol	32.0	28.2		ug/L		88	64 - 120
2,4-Dichlorophenol	32.0	28.4		ug/L		89	63 - 120
2,4-Dimethylphenol	32.0	26.7		ug/L		83	47 - 120
2,4-Dinitrophenol	64.0	53.0		ug/L		83	31 - 137
2,4-Dinitrotoluene	32.0	30.4		ug/L		95	69 - 120
2,6-Dinitrotoluene	32.0	29.4		ug/L		92	68 - 120
2-Chloronaphthalene	32.0	26.5		ug/L		83	58 - 120
2-Chlorophenol	32.0	27.5		ug/L		86	48 - 120
2-Methylnaphthalene	32.0	25.4		ug/L		79	59 - 120
2-Methylphenol	32.0	27.5		ug/L		86	39 - 120
2-Nitroaniline	32.0	36.0		ug/L		113	54 - 127
2-Nitrophenol	32.0	27.0		ug/L		84	52 - 125
3,3'-Dichlorobenzidine	64.0	58.9		ug/L		92	49 - 135
3-Nitroaniline	32.0	22.5		ug/L		70	51 - 120
4,6-Dinitro-2-methylphenol	64.0	65.0		ug/L		102	46 - 136
4-Bromophenyl phenyl ether	32.0	29.9		ug/L		93	65 - 120
4-Chloro-3-methylphenol	32.0	31.5		ug/L		98	61 - 123
4-Chloroaniline	32.0	20.7		ug/L		65	30 - 120
4-Chlorophenyl phenyl ether	32.0	26.8		ug/L		84	62 - 120
4-Methylphenol	32.0	28.2		ug/L		88	29 - 131
4-Nitroaniline	32.0	30.1		ug/L		94	65 - 120
4-Nitrophenol	64.0	56.8		ug/L		89	45 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-691259/2-A
Matrix: Water
Analysis Batch: 691402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	28.2		ug/L		88	60 - 120
Acenaphthylene	32.0	28.9		ug/L		90	63 - 120
Acetophenone	32.0	30.1		ug/L		94	45 - 120
Anthracene	32.0	30.8		ug/L		96	67 - 120
Atrazine	64.0	70.6		ug/L		110	71 - 130
Benzaldehyde	64.0	62.0		ug/L		97	10 - 140
Benzo[a]anthracene	32.0	31.0		ug/L		97	70 - 121
Benzo[a]pyrene	32.0	34.4		ug/L		108	60 - 123
Benzo[b]fluoranthene	32.0	28.4		ug/L		89	66 - 126
Benzo[g,h,i]perylene	32.0	34.1		ug/L		106	66 - 150
Benzo[k]fluoranthene	32.0	29.0		ug/L		91	65 - 124
Biphenyl	32.0	27.4		ug/L		86	59 - 120
bis (2-chloroisopropyl) ether	32.0	30.9		ug/L		97	21 - 136
Bis(2-chloroethoxy)methane	32.0	29.9		ug/L		94	50 - 128
Bis(2-chloroethyl)ether	32.0	32.6		ug/L		102	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	35.2		ug/L		110	63 - 139
Butyl benzyl phthalate	32.0	33.8		ug/L		106	70 - 129
Caprolactam	64.0	22.9		ug/L		36	22 - 120
Carbazole	32.0	36.3		ug/L		113	66 - 123
Chrysene	32.0	32.9		ug/L		103	69 - 120
Dibenz(a,h)anthracene	32.0	34.4		ug/L		107	65 - 135
Dibenzofuran	32.0	28.6		ug/L		89	66 - 120
Diethyl phthalate	32.0	30.3		ug/L		95	59 - 127
Dimethyl phthalate	32.0	29.7		ug/L		93	68 - 120
Di-n-butyl phthalate	32.0	34.1		ug/L		106	69 - 131
Di-n-octyl phthalate	32.0	36.8		ug/L		115	63 - 140
Fluoranthene	32.0	32.1		ug/L		100	69 - 126
Fluorene	32.0	28.3		ug/L		88	66 - 120
Hexachlorobenzene	32.0	29.5		ug/L		92	61 - 120
Hexachlorobutadiene	32.0	18.8		ug/L		59	35 - 120
Hexachlorocyclopentadiene	32.0	11.6		ug/L		36	31 - 120
Hexachloroethane	32.0	22.5		ug/L		70	33 - 120
Indeno[1,2,3-cd]pyrene	32.0	36.7		ug/L		115	69 - 146
Isophorone	32.0	31.1		ug/L		97	55 - 120
Naphthalene	32.0	25.8		ug/L		81	57 - 120
Nitrobenzene	32.0	29.8		ug/L		93	53 - 123
N-Nitrosodi-n-propylamine	32.0	32.5		ug/L		102	32 - 140
Pentachlorophenol	64.0	53.6		ug/L		84	29 - 136
Phenanthrene	32.0	32.1		ug/L		100	68 - 120
Phenol	32.0	20.9		ug/L		65	17 - 120
Pyrene	32.0	30.8		ug/L		96	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*41 - 120*
2-Fluorobiphenyl (Surr)	*88*		*48 - 120*
2-Fluorophenol (Surr)	*74*		*35 - 120*
Nitrobenzene-d5 (Surr)	*94*		*46 - 120*
Phenol-d5 (Surr)	*59*		*22 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-691259/2-A
Matrix: Water
Analysis Batch: 691402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691259

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl-d14 (Surr)	97		60 - 148

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-691622/1-A
Matrix: Water
Analysis Batch: 691782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691622

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		11/13/23 07:17	11/14/23 08:41	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		11/13/23 07:17	11/14/23 08:41	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		11/13/23 07:17	11/14/23 08:41	1
Aldrin	0.050	U	0.050	0.0081	ug/L		11/13/23 07:17	11/14/23 08:41	1
alpha-BHC	0.050	U	0.050	0.0077	ug/L		11/13/23 07:17	11/14/23 08:41	1
beta-BHC	0.050	U	0.050	0.025	ug/L		11/13/23 07:17	11/14/23 08:41	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		11/13/23 07:17	11/14/23 08:41	1
delta-BHC	0.050	U	0.050	0.010	ug/L		11/13/23 07:17	11/14/23 08:41	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endrin	0.050	U	0.050	0.014	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		11/13/23 07:17	11/14/23 08:41	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		11/13/23 07:17	11/14/23 08:41	1
gamma-BHC (Lindane)	0.050	U	0.050	0.0080	ug/L		11/13/23 07:17	11/14/23 08:41	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		11/13/23 07:17	11/14/23 08:41	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		11/13/23 07:17	11/14/23 08:41	1
Methoxychlor	0.050	U	0.050	0.014	ug/L		11/13/23 07:17	11/14/23 08:41	1
Toxaphene	0.50	U	0.50	0.12	ug/L		11/13/23 07:17	11/14/23 08:41	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		11/13/23 07:17	11/14/23 08:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	36		20 - 120	11/13/23 07:17	11/14/23 08:41	1
DCB Decachlorobiphenyl	34		20 - 120	11/13/23 07:17	11/14/23 08:41	1
Tetrachloro-m-xylene	80		44 - 120	11/13/23 07:17	11/14/23 08:41	1
Tetrachloro-m-xylene	75		44 - 120	11/13/23 07:17	11/14/23 08:41	1

Lab Sample ID: LCS 480-691622/2-A
Matrix: Water
Analysis Batch: 691782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.400	0.316		ug/L		79	64 - 129
4,4'-DDE	0.400	0.270		ug/L		67	50 - 120
4,4'-DDT	0.400	0.299		ug/L		75	59 - 120
Aldrin	0.400	0.263		ug/L		66	40 - 125
alpha-BHC	0.400	0.260		ug/L		65	52 - 125
beta-BHC	0.400	0.309		ug/L		77	51 - 120

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-691622/2-A
Matrix: Water
Analysis Batch: 691782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-Chlordane	0.400	0.257		ug/L		64	52 - 120
delta-BHC	0.400	0.296		ug/L		74	51 - 120
Dieldrin	0.400	0.340		ug/L		85	66 - 128
Endosulfan I	0.400	0.321		ug/L		80	57 - 120
Endosulfan II	0.400	0.385		ug/L		96	66 - 131
Endosulfan sulfate	0.400	0.291		ug/L		73	66 - 136
Endrin	0.400	0.346		ug/L		86	65 - 135
Endrin aldehyde	0.400	0.305		ug/L		76	61 - 134
Endrin ketone	0.400	0.307		ug/L		77	71 - 133
gamma-BHC (Lindane)	0.400	0.277		ug/L		69	56 - 120
Heptachlor	0.400	0.299		ug/L		75	58 - 120
Heptachlor epoxide	0.400	0.344		ug/L		86	65 - 125
Methoxychlor	0.400	0.318		ug/L		80	50 - 150
trans-Chlordane	0.400	0.284		ug/L		71	54 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*38*		*20 - 120*
DCB Decachlorobiphenyl	*34*		*20 - 120*
Tetrachloro-m-xylene	*73*		*44 - 120*
Tetrachloro-m-xylene	*67*		*44 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-692151/1-A
Matrix: Water
Analysis Batch: 692387

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 692151

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1221	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1232	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1242	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1248	0.50	U	0.50	0.18	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1254	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1260	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1262	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 12:20	1
PCB-1268	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 12:20	1
Polychlorinated biphenyls, Total	0.50	U	0.50	0.25	ug/L		11/16/23 06:55	11/17/23 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*19 - 120*	*11/16/23 06:55*	*11/17/23 12:20*	*1*
DCB Decachlorobiphenyl	*50*		*19 - 120*	*11/16/23 06:55*	*11/17/23 12:20*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*11/16/23 06:55*	*11/17/23 12:20*	*1*
Tetrachloro-m-xylene	*84*		*39 - 121*	*11/16/23 06:55*	*11/17/23 12:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-692151/2-A
Matrix: Water
Analysis Batch: 692387

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 692151

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			4.00	2.93		ug/L		73	62 - 130		
PCB-1260			4.00	2.56		ug/L		64	56 - 123		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*38*		*19 - 120*
DCB Decachlorobiphenyl	*42*		*19 - 120*
Tetrachloro-m-xylene	*67*		*39 - 121*
Tetrachloro-m-xylene	*68*		*39 - 121*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-691325/1-A
Matrix: Water
Analysis Batch: 691617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	0.50	U	0.50	0.068	ug/L		11/10/23 08:36	11/13/23 07:26	1
2,4-D	0.50	U	0.50	0.17	ug/L		11/10/23 08:36	11/13/23 07:26	1
Dichlorprop	0.50	U	0.50	0.12	ug/L		11/10/23 08:36	11/13/23 07:26	1
Dinoseb	0.50	U	0.50	0.14	ug/L		11/10/23 08:36	11/13/23 07:26	1
Pentachlorophenol	0.50	U	0.50	0.049	ug/L		11/10/23 08:36	11/13/23 07:26	1
Picloram	0.50	U	0.50	0.072	ug/L		11/10/23 08:36	11/13/23 07:26	1
Silvex (2,4,5-TP)	0.50	U	0.50	0.050	ug/L		11/10/23 08:36	11/13/23 07:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*91*		*21 - 143*	*11/10/23 08:36*	*11/13/23 07:26*	*1*
2,4-Dichlorophenylacetic acid	*75*		*21 - 143*	*11/10/23 08:36*	*11/13/23 07:26*	*1*

Lab Sample ID: LCS 480-691325/2-A
Matrix: Water
Analysis Batch: 691617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691325

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4,5-T			2.00	2.26		ug/L		113	41 - 150		
2,4-D			2.00	2.62		ug/L		131	36 - 150		
Dichlorprop			2.00	2.34		ug/L		117	33 - 150		
Dinoseb			2.00	2.56	*+	ug/L		128	21 - 120		
Pentachlorophenol			2.00	2.64		ug/L		132	29 - 143		
Picloram			2.00	2.49		ug/L		125	34 - 150		
Silvex (2,4,5-TP)			2.00	2.34		ug/L		117	49 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*143*		*21 - 143*
2,4-Dichlorophenylacetic acid	*116*		*21 - 143*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-691500/1-A
Matrix: Water
Analysis Batch: 692696

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.20	U	0.20	0.060	mg/L		11/13/23 08:57	11/18/23 01:15	1
Antimony	0.020	U	0.020	0.0068	mg/L		11/13/23 08:57	11/18/23 01:15	1
Arsenic	0.015	U	0.015	0.0056	mg/L		11/13/23 08:57	11/18/23 01:15	1
Barium	0.0020	U	0.0020	0.00070	mg/L		11/13/23 08:57	11/18/23 01:15	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		11/13/23 08:57	11/18/23 01:15	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		11/13/23 08:57	11/18/23 01:15	1
Calcium	0.50	U	0.50	0.10	mg/L		11/13/23 08:57	11/18/23 01:15	1
Chromium	0.0040	U	0.0040	0.0010	mg/L		11/13/23 08:57	11/18/23 01:15	1
Cobalt	0.0040	U	0.0040	0.00063	mg/L		11/13/23 08:57	11/18/23 01:15	1
Copper	0.010	U	0.010	0.0016	mg/L		11/13/23 08:57	11/18/23 01:15	1
Iron	0.050	U	0.050	0.019	mg/L		11/13/23 08:57	11/18/23 01:15	1
Lead	0.010	U	0.010	0.0030	mg/L		11/13/23 08:57	11/18/23 01:15	1
Magnesium	0.20	U	0.20	0.043	mg/L		11/13/23 08:57	11/18/23 01:15	1
Manganese	0.0030	U	0.0030	0.00040	mg/L		11/13/23 08:57	11/18/23 01:15	1
Nickel	0.010	U	0.010	0.0013	mg/L		11/13/23 08:57	11/18/23 01:15	1
Potassium	0.50	U	0.50	0.10	mg/L		11/13/23 08:57	11/18/23 01:15	1
Selenium	0.025	U	0.025	0.0087	mg/L		11/13/23 08:57	11/18/23 01:15	1
Silver	0.0060	U	0.0060	0.0017	mg/L		11/13/23 08:57	11/18/23 01:15	1
Sodium	1.0	U	1.0	0.32	mg/L		11/13/23 08:57	11/18/23 01:15	1
Thallium	0.020	U	0.020	0.010	mg/L		11/13/23 08:57	11/18/23 01:15	1
Vanadium	0.0050	U	0.0050	0.0015	mg/L		11/13/23 08:57	11/18/23 01:15	1
Zinc	0.00172	J	0.010	0.0015	mg/L		11/13/23 08:57	11/18/23 01:15	1

Lab Sample ID: LCS 480-691500/2-A
Matrix: Water
Analysis Batch: 692696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10.0	9.59		mg/L		96	80 - 120
Antimony	0.200	0.214		mg/L		107	80 - 120
Arsenic	0.200	0.204		mg/L		102	80 - 120
Barium	0.200	0.208		mg/L		104	80 - 120
Beryllium	0.200	0.208		mg/L		104	80 - 120
Cadmium	0.200	0.207		mg/L		103	80 - 120
Calcium	10.0	9.82		mg/L		98	80 - 120
Chromium	0.200	0.203		mg/L		102	80 - 120
Cobalt	0.200	0.199		mg/L		100	80 - 120
Copper	0.200	0.210		mg/L		105	80 - 120
Iron	10.0	10.15		mg/L		101	80 - 120
Lead	0.200	0.203		mg/L		101	80 - 120
Magnesium	10.0	10.06		mg/L		101	80 - 120
Manganese	0.200	0.205		mg/L		103	80 - 120
Nickel	0.200	0.202		mg/L		101	80 - 120
Potassium	10.0	10.44		mg/L		104	80 - 120
Selenium	0.200	0.203		mg/L		102	80 - 120
Silver	0.0500	0.0499		mg/L		100	80 - 120
Sodium	10.0	10.19		mg/L		102	80 - 120
Thallium	0.200	0.207		mg/L		103	80 - 120
Vanadium	0.200	0.204		mg/L		102	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-691500/2-A
Matrix: Water
Analysis Batch: 692696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691500

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	0.200	0.199		mg/L		100	80 - 120

Lab Sample ID: LCSD 480-691500/3-A
Matrix: Water
Analysis Batch: 692696

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 691500

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	10.0	9.47		mg/L		95	80 - 120	1	20
Antimony	0.200	0.217		mg/L		109	80 - 120	1	20
Arsenic	0.200	0.204		mg/L		102	80 - 120	0	20
Barium	0.200	0.207		mg/L		104	80 - 120	1	20
Beryllium	0.200	0.207		mg/L		104	80 - 120	0	20
Cadmium	0.200	0.206		mg/L		103	80 - 120	0	20
Calcium	10.0	9.83		mg/L		98	80 - 120	0	20
Chromium	0.200	0.202		mg/L		101	80 - 120	0	20
Cobalt	0.200	0.199		mg/L		99	80 - 120	0	20
Copper	0.200	0.210		mg/L		105	80 - 120	0	20
Iron	10.0	10.14		mg/L		101	80 - 120	0	20
Lead	0.200	0.201		mg/L		101	80 - 120	1	20
Magnesium	10.0	10.03		mg/L		100	80 - 120	0	20
Manganese	0.200	0.205		mg/L		102	80 - 120	0	20
Nickel	0.200	0.202		mg/L		101	80 - 120	0	20
Potassium	10.0	10.43		mg/L		104	80 - 120	0	20
Selenium	0.200	0.202		mg/L		101	80 - 120	0	20
Silver	0.0500	0.0494		mg/L		99	80 - 120	1	20
Sodium	10.0	10.14		mg/L		101	80 - 120	0	20
Thallium	0.200	0.208		mg/L		104	80 - 120	0	20
Vanadium	0.200	0.202		mg/L		101	80 - 120	1	20
Zinc	0.200	0.198		mg/L		99	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-691333/1-A
Matrix: Water
Analysis Batch: 691476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000043	mg/L		11/10/23 11:45	11/10/23 14:27	1

Lab Sample ID: LCS 480-691333/2-A
Matrix: Water
Analysis Batch: 691476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00669	0.00717		mg/L		107	80 - 120

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-691297/1
Matrix: Water
Analysis Batch: 691297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Flashpoint	81.0	82.00		Degrees F		101	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-691969/1-A
Matrix: Water
Analysis Batch: 692112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691969

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10.0	U	10.0	10.0	mg/L		11/14/23 11:20	11/15/23 10:44	1

Lab Sample ID: LCS 480-691969/2-A
Matrix: Water
Analysis Batch: 692112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	1000	563.8		mg/L		56	10 - 100

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-692313/190
Matrix: Water
Analysis Batch: 692313

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.00570	J	0.010	0.0041	mg/L			11/16/23 14:56	1

Lab Sample ID: HLCS 480-692313/22
Matrix: Water
Analysis Batch: 692313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.408		mg/L		102	90 - 110

Lab Sample ID: LCS 480-692313/191
Matrix: Water
Analysis Batch: 692313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.237		mg/L		95	90 - 110

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-691972/1-A
Matrix: Water
Analysis Batch: 692344

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 691972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	10.0	U	10.0	10.0	mg/L		11/14/23 11:20	11/16/23 10:15	1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 480-691972/2-A
Matrix: Water
Analysis Batch: 692344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 691972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	700	500.9		mg/L		72	10 - 100

Method: 9040C - pH

Lab Sample ID: 480-214672-1 DU
Matrix: Water
Analysis Batch: 691478

Client Sample ID: PDI-WC-LW1-110623
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.06	HF	7.020		SU		0.6	5
Temperature	20.3	HF	20.18		Degrees C		0.6	10

GC/MS VOA

Analysis Batch: 691523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	8260C	
MB 480-691523/8	Method Blank	Total/NA	Water	8260C	
LCS 480-691523/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 691680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	8260C	
MB 480-691680/8	Method Blank	Total/NA	Water	8260C	
LCS 480-691680/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 691259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	3510C	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	3510C	
MB 480-691259/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-691259/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 691402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	8270D	691259
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	8270D	691259
MB 480-691259/1-A	Method Blank	Total/NA	Water	8270D	691259
LCS 480-691259/2-A	Lab Control Sample	Total/NA	Water	8270D	691259

GC Semi VOA

Prep Batch: 691325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	8151A	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	8151A	
MB 480-691325/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-691325/2-A	Lab Control Sample	Total/NA	Water	8151A	

Analysis Batch: 691617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	8151A	691325
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	8151A	691325
MB 480-691325/1-A	Method Blank	Total/NA	Water	8151A	691325
LCS 480-691325/2-A	Lab Control Sample	Total/NA	Water	8151A	691325

Prep Batch: 691622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	3510C	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	3510C	
MB 480-691622/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-691622/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 691782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	8081B	691622

GC Semi VOA (Continued)

Analysis Batch: 691782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	8081B	691622
MB 480-691622/1-A	Method Blank	Total/NA	Water	8081B	691622
LCS 480-691622/2-A	Lab Control Sample	Total/NA	Water	8081B	691622

Prep Batch: 692151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	3510C	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	3510C	
MB 480-692151/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-692151/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 692387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	8082A	692151
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	8082A	692151
MB 480-692151/1-A	Method Blank	Total/NA	Water	8082A	692151
LCS 480-692151/2-A	Lab Control Sample	Total/NA	Water	8082A	692151

Metals

Prep Batch: 691333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	7470A	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	7470A	
MB 480-691333/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-691333/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 691476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	7470A	691333
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	7470A	691333
MB 480-691333/1-A	Method Blank	Total/NA	Water	7470A	691333
LCS 480-691333/2-A	Lab Control Sample	Total/NA	Water	7470A	691333

Prep Batch: 691500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	3005A	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	3005A	
MB 480-691500/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-691500/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-691500/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Analysis Batch: 692696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	6010C	691500
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	6010C	691500
MB 480-691500/1-A	Method Blank	Total/NA	Water	6010C	691500
LCS 480-691500/2-A	Lab Control Sample	Total/NA	Water	6010C	691500
LCSD 480-691500/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	691500

QC Association Summary

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Metals

Analysis Batch: 693100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	6010C	691500

General Chemistry

Analysis Batch: 691297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	1010A	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	1010A	
LCS 480-691297/1	Lab Control Sample	Total/NA	Water	1010A	

Analysis Batch: 691478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	9040C	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	9040C	
LCS 480-691478/1	Lab Control Sample	Total/NA	Water	9040C	
480-214672-1 DU	PDI-WC-LW1-110623	Total/NA	Water	9040C	

Prep Batch: 691969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	7.3.3	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	7.3.3	
MB 480-691969/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 480-691969/2-A	Lab Control Sample	Total/NA	Water	7.3.3	

Prep Batch: 691972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	7.3.4	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	7.3.4	
MB 480-691972/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 480-691972/2-A	Lab Control Sample	Total/NA	Water	7.3.4	

Analysis Batch: 692112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	9012	691969
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	9012	691969
MB 480-691969/1-A	Method Blank	Total/NA	Water	9012	691969
LCS 480-691969/2-A	Lab Control Sample	Total/NA	Water	9012	691969

Analysis Batch: 692313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	9012B	
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	9012B	
MB 480-692313/190	Method Blank	Total/NA	Water	9012B	
HLCS 480-692313/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-692313/191	Lab Control Sample	Total/NA	Water	9012B	

Analysis Batch: 692344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-214672-1	PDI-WC-LW1-110623	Total/NA	Water	9034	691972
480-214672-2	PDI-WC-LW2-110623	Total/NA	Water	9034	691972
MB 480-691972/1-A	Method Blank	Total/NA	Water	9034	691972

General Chemistry (Continued)

Analysis Batch: 692344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-691972/2-A	Lab Control Sample	Total/NA	Water	9034	691972

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: PDI-WC-LW1-110623
Lab Sample ID: 480-214672-1
Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	691680	ATG	EET BUF	11/13/23 15:20
Total/NA	Prep	3510C			691259	SJM	EET BUF	11/09/23 16:25
Total/NA	Analysis	8270D		5	691402	RJS	EET BUF	11/11/23 10:46
Total/NA	Prep	3510C			691622	SMP	EET BUF	11/13/23 07:17
Total/NA	Analysis	8081B		5	691782	JLS	EET BUF	11/14/23 13:55
Total/NA	Prep	3510C			692151	SMP	EET BUF	11/16/23 06:55
Total/NA	Analysis	8082A		1	692387	NC	EET BUF	11/17/23 13:48
Total/NA	Prep	8151A			691325	JMP	EET BUF	11/10/23 08:36
Total/NA	Analysis	8151A		10	691617	MAN	EET BUF	11/14/23 07:26
Total/NA	Prep	3005A			691500	ESB	EET BUF	11/13/23 08:57
Total/NA	Analysis	6010C		1	692696	BMB	EET BUF	11/18/23 02:40
Total/NA	Prep	7470A			691333	NVK	EET BUF	11/10/23 11:45
Total/NA	Analysis	7470A		1	691476	NVK	EET BUF	11/10/23 14:49
Total/NA	Analysis	1010A		1	691297	KM	EET BUF	11/10/23 07:25
Total/NA	Prep	7.3.3			691969	AM	EET BUF	11/14/23 11:20
Total/NA	Analysis	9012		1	692112	AM	EET BUF	11/15/23 11:07
Total/NA	Analysis	9012B		20	692313	CLT	EET BUF	11/16/23 15:14
Total/NA	Prep	7.3.4			691972	AM	EET BUF	11/14/23 11:20
Total/NA	Analysis	9034		1	692344	AM	EET BUF	11/16/23 10:15
Total/NA	Analysis	9040C		1	691478	KB	EET BUF	11/10/23 17:13

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2
Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	691523	AXK	EET BUF	11/12/23 08:30
Total/NA	Prep	3510C			691259	SJM	EET BUF	11/09/23 16:25
Total/NA	Analysis	8270D		5	691402	RJS	EET BUF	11/11/23 11:13
Total/NA	Prep	3510C			691622	SMP	EET BUF	11/13/23 07:17
Total/NA	Analysis	8081B		5	691782	JLS	EET BUF	11/14/23 14:14
Total/NA	Prep	3510C			692151	SMP	EET BUF	11/16/23 06:55
Total/NA	Analysis	8082A		1	692387	NC	EET BUF	11/17/23 14:06
Total/NA	Prep	8151A			691325	JMP	EET BUF	11/10/23 08:36
Total/NA	Analysis	8151A		10	691617	MAN	EET BUF	11/14/23 07:42
Total/NA	Prep	3005A			691500	ESB	EET BUF	11/13/23 08:57
Total/NA	Analysis	6010C		1	692696	BMB	EET BUF	11/18/23 02:43
Total/NA	Prep	3005A			691500	ESB	EET BUF	11/13/23 08:57
Total/NA	Analysis	6010C		5	693100	BMB	EET BUF	11/21/23 17:37
Total/NA	Prep	7470A			691333	NVK	EET BUF	11/10/23 11:45
Total/NA	Analysis	7470A		1	691476	NVK	EET BUF	11/10/23 14:50
Total/NA	Analysis	1010A		1	691297	KM	EET BUF	11/10/23 07:25
Total/NA	Prep	7.3.3			691969	AM	EET BUF	11/14/23 11:20
Total/NA	Analysis	9012		1	692112	AM	EET BUF	11/15/23 11:08

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: PDI-WC-LW2-110623
Lab Sample ID: 480-214672-2

Date Collected: 11/06/23 11:00
Matrix: Water
Date Received: 11/09/23 10:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	9012B		5	692313	CLT	EET BUF	11/16/23 15:16
Total/NA	Prep	7.3.4			691972	AM	EET BUF	11/14/23 11:20
Total/NA	Analysis	9034		1	692344	AM	EET BUF	11/16/23 10:15
Total/NA	Analysis	9040C		1	691478	KB	EET BUF	11/10/23 17:19

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1010A		Water	Flashpoint
8082A	3510C	Water	Polychlorinated biphenyls, Total
8151A	8151A	Water	Picloram
9012	7.3.3	Water	Cyanide, Reactive
9034	7.3.4	Water	Sulfide, Reactive
9040C		Water	pH
9040C		Water	Temperature

Method Summary

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
8151A	Herbicides (GC)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET BUF
9012	Cyanide, Reactive	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
9034	Sulfide, Reactive	SW846	EET BUF
9040C	pH	SW846	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7.3.3	Cyanide, Reactive	SW846	EET BUF
7.3.4	Sulfide, Reactive	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF
8151A	Extraction (Herbicides)	SW846	EET BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Parsons Corporation
Job ID: 480-214672-1
Project/Site: RG&E - Former East Station MGP Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-214672-1	PDI-WC-LW1-110623	Water	11/06/23 11:00	11/09/23 10:40
480-214672-2	PDI-WC-LW2-110623	Water	11/06/23 11:00	11/09/23 10:40

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Laboratory Information		**Section B Client Information**		**COC #:**	WC-11062023
Lab Name:	Eurofins	Company:	Parsons	**Project Name:**	East Station
Attention:	John Schove	Attention:	Sara Weishaupt		
Address:	10 Hazelwood Drive Amherst NY 14228	Address:	301 Plainfield Road, Suite 350 Syracuse, NY 13212	**Project Number:**	453121
Phone:	716-504-9838	Phone:	315-748-8498		
Email:	john.schove@et.eurofinsus.com	Email:	sara.weishaupt@parsons.com		
Section C Deliverable Requirements		Purchase Order No:			
Report To: sara.weishaupt@parsons.com anne.burnham@parsons.com		TAT - Standard			
Copy To: Laura.Drachenberg@parsons.com Maryanne.Kosciewicz@parsons.com		**Section D Additional Information**			
Deliverables: Level 2, CAT B Report, NYSDEC EQUIS EDD					

Preservative codes (for water only):

	Location ID	Start Depth (ft)	End Depth (ft)	Field Sample ID MUST BE UNIQUE	Sample Date	Sample Time	Sample Matrix	Sample Type	# of Cont.	MS/MSD	Composite (Y/N)	Liquid Sample: TCL VOCs - 8260C	TCL SVOCs - 8270D	TCL Pest/Herb - 8081/8151	TAL Metals/Hg - 6010C/7470A	Total CN 9014	pH - 9040	Flashpoint E1010	Reactive CN/Reactive Sulfide	PCBs - 8082
							IDW	WC		#Bottles										
1	WC-LIQUID	-	-	FDI-WC-LW1-110623	11-06-23	1100	IDW	WC	16		Y	X	X	X	X	X	X	X	X	X
2	WC-LIQUID	-	-	FDI-WC-LW2-110623	11-06-23	1100	IDW	WC	16		Y	X	X	X	X	X	X	X	X	X
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

480-214672 Chain of Custody

Special Instructions:

Received by Chuckie Cicolo 11/7/23 1040 Temp 1.4 2.8 # 1 ICE

Samplers Name:	Company: Parsons	Relinquished By:	Company: Parsons	Cooler Temp.:	Custody Seals Intact: Yes ☐ No ☐
Eleanor Larson	Date/Time: 11-6-23		Date/Time: 11-6-23 1810	Rec'd on Ice: Yes ☐ No ☐	Samples Intact : Yes ☐ No ☐
Shipment Method:	Shipment Tracking No:	Accepted By:	Company: EET	Cooler Temp.:	Custody Seals Intact: Yes ☑ No ☐
	Date/Time:		Date/Time: 11/7/23 0900	Rec'd on Ice: Yes ☑ No ☐	Samples Intact: Yes ☑ No ☐

Preservatives: 0 = None; [1 = HCL]; [2 = HNO3]; [3 = H2SO4]; [4 = NaOH]; [5 = Zn Acetate]; [6 = MeOH]; [7 = NaHSO4]; 8 = Other (H3PO4):

Login Sample Receipt Checklist

Client: Parsons Corporation

Job Number: 480-214672-1

Login Number: 214672
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	PARSONS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Cathy Adamitis
Parsons Corporation
301 Plainfield Road
Suite 350
Syracuse, New York 13212

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JOB DESCRIPTION

RG&E - Former East Station MGP Site

JOB NUMBER

480-216699-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

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Definitions/Glossary

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Qualifiers

LCMS

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-216699-1 Eurofins Buffalo

Job Narrative
480-216699-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/31/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

PFAS
Method 1633: Samples were diluted due to suspected high analytes. IDW-01292024 (480-216699-1), IDW-01292024-1 (480-216699-2) and (480-216699-U-2 DU)

Method 1633: Isotope Dilution Analyte (IDA) recovery is outside the method recommended limit for the following samples: IDW-01292024 (480-216699-1) and IDW-01292024-1 (480-216699-2) and analytes d3-NMeFOSAA and M2-4:2 FTS . Since the recovery is likely due to matrix interferences, the samples were re-prepped at a dilution.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: IDW-01292024
Lab Sample ID: 480-216699-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	12		7.8	2.1	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	4.5		3.9	0.98	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	4.4		2.0	0.49	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.0		2.0	0.49	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	5.4		2.0	0.49	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	0.67	J	2.0	0.49	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.6	J	2.0	0.49	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	2.0	0.51	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.2		2.0	0.49	ng/L	1		1633	Total/NA

Client Sample ID: IDW-01292024-1
Lab Sample ID: 480-216699-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	12		7.9	2.1	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	2.8	J	4.0	0.99	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	3.8		2.0	0.50	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.6	J	2.0	0.50	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	5.5		2.0	0.50	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	0.83	J	2.0	0.50	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.5	J	2.0	0.50	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.8	J	2.0	0.51	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		2.0	0.50	ng/L	1		1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: IDW-01292024
Lab Sample ID: 480-216699-1
Date Collected: 01/29/24 10:30
Matrix: Water
Date Received: 01/31/24 09:40

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**12**		7.8	2.1	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluoropentanoic acid (PFPeA)	**4.5**		3.9	0.98	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorohexanoic acid (PFHxA)	**4.4**		2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluoroheptanoic acid (PFHpA)	**2.0**		2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorooctanoic acid (PFOA)	**5.4**		2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorononanoic acid (PFNA)	**0.67**	**J**	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorotridecanoic acid (PFTrDA)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorotetradecanoic acid (PFTeDA)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorobutanesulfonic acid (PFBS)	**1.6**	**J**	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluoropentanesulfonic acid (PFPeS)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorohexanesulfonic acid (PFHxS)	**1.5**	**J**	2.0	0.51	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluoroheptanesulfonic acid (PFHpS)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorooctanesulfonic acid (PFOS)	**3.2**		2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorononanesulfonic acid (PFNS)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorododecanesulfonic acid (PFDoS)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	19	U	19	4.9	ng/L		01/31/24 11:03	01/31/24 15:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.8	U	7.8	2.0	ng/L		01/31/24 11:03	01/31/24 15:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.8	U	7.8	2.0	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorooctanesulfonamide (PFOSA)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.9	U	4.9	1.5	ng/L		01/31/24 11:03	01/31/24 15:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.51	ng/L		01/31/24 11:03	01/31/24 15:19	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20	U	20	4.9	ng/L		01/31/24 11:03	01/31/24 15:19	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20	U	20	4.9	ng/L		01/31/24 11:03	01/31/24 15:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	7.8	U	7.8	2.0	ng/L		01/31/24 11:03	01/31/24 15:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.8	U	7.8	2.0	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.9	U	3.9	0.98	ng/L		01/31/24 11:03	01/31/24 15:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.9	U	3.9	1.2	ng/L		01/31/24 11:03	01/31/24 15:19	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	7.8	U	7.8	2.0	ng/L		01/31/24 11:03	01/31/24 15:19	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	7.8	U	7.8	2.0	ng/L		01/31/24 11:03	01/31/24 15:19	1

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: IDW-01292024
Lab Sample ID: 480-216699-1
Date Collected: 01/29/24 10:30
Matrix: Water
Date Received: 01/31/24 09:40

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.9	U	3.9	0.98	ng/L		01/31/24 11:03	01/31/24 15:19	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	9.8	U	9.8	2.4	ng/L		01/31/24 11:03	01/31/24 15:19	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	49	U	49	12	ng/L		01/31/24 11:03	01/31/24 15:19	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	49	U	49	15	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.49	ng/L		01/31/24 11:03	01/31/24 15:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.9	U	3.9	0.98	ng/L		01/31/24 11:03	01/31/24 15:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96.3*		*10 - 130*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C5 PFPeA	*86.7*		*35 - 150*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C5 PFHxA	*78.7*		*55 - 150*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C4 PFHpA	*96.1*		*55 - 150*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C8 PFOA	*86.0*		*60 - 140*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C9 PFNA	*96.5*		*55 - 140*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C6 PFDA	*87.6*		*50 - 140*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C7 PFUnA	*98.1*		*30 - 140*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C2 PFTeDA	*101*		*10 - 130*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C3 PFBS	*122*		*55 - 150*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C3 PFHxS	*103*		*55 - 150*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C8 PFOS	*90.2*		*45 - 140*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C8 FOSA	*88.1*		*30 - 130*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
d3-NMeFOSAA	*57.3*		*45 - 200*	*01/31/24 11:03*	*01/31/24 15:34*	*1*
d5-NEtFOSAA	*83.5*		*10 - 200*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
M2-4:2 FTS	*191*		*60 - 200*	*01/31/24 11:03*	*01/31/24 15:34*	*1*
M2-6:2 FTS	*192*		*60 - 200*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
M2-8:2 FTS	*197*		*50 - 200*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C3 HFPO-DA	*81.7*		*25 - 160*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
d7-N-MeFOSE-M	*74.2*		*10 - 150*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
d9-N-EtFOSE-M	*71.1*		*10 - 150*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
d5-NEtPFOSA	*66.1*		*10 - 130*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
d3-NMePFOSA	*64.3*		*15 - 130*	*01/31/24 11:03*	*01/31/24 15:19*	*1*
13C2-PFDoDA	*103*		*10 - 150*	*01/31/24 11:03*	*01/31/24 15:19*	*1*

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: IDW-01292024-1
Lab Sample ID: 480-216699-2
Date Collected: 01/29/24 10:35
Matrix: Water
Date Received: 01/31/24 09:40

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**12**		7.9	2.1	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluoropentanoic acid (PFPeA)	**2.8**	**J**	4.0	0.99	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorohexanoic acid (PFHxA)	**3.8**		2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluoroheptanoic acid (PFHpA)	**1.6**	**J**	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorooctanoic acid (PFOA)	**5.5**		2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorononanoic acid (PFNA)	**0.83**	**J**	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorotridecanoic acid (PFTrDA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorotetradecanoic acid (PFTeDA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorobutanesulfonic acid (PFBS)	**1.5**	**J**	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluoropentanesulfonic acid (PFPeS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorohexanesulfonic acid (PFHxS)	**1.8**	**J**	2.0	0.51	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluoroheptanesulfonic acid (PFHpS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorooctanesulfonic acid (PFOS)	**3.0**		2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorononanesulfonic acid (PFNS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorododecanesulfonic acid (PFDoS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	19	U	19	4.8	ng/L		01/31/24 11:03	01/31/24 16:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.9	U	7.9	2.0	ng/L		01/31/24 11:03	01/31/24 16:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.9	U	7.9	2.0	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorooctanesulfonamide (PFOSA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.8	U	4.8	1.5	ng/L		01/31/24 11:03	01/31/24 16:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.52	ng/L		01/31/24 11:03	01/31/24 16:19	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20	U	20	5.0	ng/L		01/31/24 11:03	01/31/24 16:19	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20	U	20	5.0	ng/L		01/31/24 11:03	01/31/24 16:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	7.9	U	7.9	2.0	ng/L		01/31/24 11:03	01/31/24 16:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.9	U	7.9	2.0	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	4.0	0.99	ng/L		01/31/24 11:03	01/31/24 16:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.0	U	4.0	1.2	ng/L		01/31/24 11:03	01/31/24 16:19	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	7.9	U	7.9	2.0	ng/L		01/31/24 11:03	01/31/24 16:19	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	7.9	U	7.9	2.0	ng/L		01/31/24 11:03	01/31/24 16:19	1

Client Sample ID: IDW-01292024-1
Lab Sample ID: 480-216699-2
Date Collected: 01/29/24 10:35
Matrix: Water
Date Received: 01/31/24 09:40

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.0	U	4.0	0.99	ng/L		01/31/24 11:03	01/31/24 16:19	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	9.9	U	9.9	2.5	ng/L		01/31/24 11:03	01/31/24 16:19	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50	U	50	12	ng/L		01/31/24 11:03	01/31/24 16:19	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50	U	50	15	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 16:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.0	U	4.0	0.99	ng/L		01/31/24 11:03	01/31/24 16:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.8*		*10 - 130*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C4 PFBA	*95.3*		*10 - 130*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C5 PFPeA	*84.6*		*35 - 150*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C5 PFPeA	*98.7*		*35 - 150*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C5 PFHxA	*75.6*		*55 - 150*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C5 PFHxA	*87.9*		*55 - 150*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C4 PFHpA	*94.5*		*55 - 150*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C4 PFHpA	*86.3*		*55 - 150*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C8 PFOA	*84.8*		*60 - 140*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C8 PFOA	*92.2*		*60 - 140*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C9 PFNA	*96.3*		*55 - 140*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C9 PFNA	*94.2*		*55 - 140*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C6 PFDA	*93.3*		*50 - 140*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C6 PFDA	*87.8*		*50 - 140*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C7 PFUnA	*102*		*30 - 140*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C7 PFUnA	*79.3*		*30 - 140*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C2 PFTeDA	*99.2*		*10 - 130*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C2 PFTeDA	*57.5*		*10 - 130*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C3 PFBS	*107*		*55 - 150*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C3 PFBS	*94.8*		*55 - 150*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C3 PFHxS	*105*		*55 - 150*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C3 PFHxS	*85.5*		*55 - 150*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C8 PFOS	*96.6*		*45 - 140*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C8 PFOS	*80.2*		*45 - 140*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C8 FOSA	*90.3*		*30 - 130*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C8 FOSA	*98.1*		*30 - 130*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
d3-NMeFOSAA	*54.5*		*45 - 200*	*01/31/24 11:03*	*01/31/24 16:35*	*1*
d3-NMeFOSAA	*82.5*		*45 - 200*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
d5-NEtFOSAA	*82.6*		*10 - 200*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
d5-NEtFOSAA	*73.6*		*10 - 200*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
M2-4:2 FTS	*188*		*60 - 200*	*01/31/24 11:03*	*01/31/24 16:35*	*1*
M2-4:2 FTS	*104*		*60 - 200*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
M2-6:2 FTS	*184*		*60 - 200*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
M2-6:2 FTS	*126*		*60 - 200*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
M2-8:2 FTS	*196*		*50 - 200*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
M2-8:2 FTS	*86.1*		*50 - 200*	*01/31/24 11:03*	*01/31/24 16:50*	*1*
13C3 HFPO-DA	*79.4*		*25 - 160*	*01/31/24 11:03*	*01/31/24 16:19*	*1*
13C3 HFPO-DA	*91.8*		*25 - 160*	*01/31/24 11:03*	*01/31/24 16:50*	*1*

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: IDW-01292024-1
Lab Sample ID: 480-216699-2
Date Collected: 01/29/24 10:35
Matrix: Water
Date Received: 01/31/24 09:40

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	78.9		10 - 150	01/31/24 11:03	01/31/24 16:19	1
d7-N-MeFOSE-M	73.2		10 - 150	01/31/24 11:03	01/31/24 16:50	1
d9-N-EtFOSE-M	72.5		10 - 150	01/31/24 11:03	01/31/24 16:19	1
d9-N-EtFOSE-M	69.5		10 - 150	01/31/24 11:03	01/31/24 16:50	1
d5-NEtPFOSA	66.6		10 - 130	01/31/24 11:03	01/31/24 16:19	1
d5-NEtPFOSA	61.5		10 - 130	01/31/24 11:03	01/31/24 16:50	1
d3-NMePFOSA	69.4		15 - 130	01/31/24 11:03	01/31/24 16:19	1
d3-NMePFOSA	60.1		15 - 130	01/31/24 11:03	01/31/24 16:50	1
13C2-PFDoDA	102		10 - 150	01/31/24 11:03	01/31/24 16:19	1
13C2-PFDoDA	65.6		10 - 150	01/31/24 11:03	01/31/24 16:50	1

Isotope Dilution Summary

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(35-150)	(55-150)	(55-150)	(60-140)	(55-140)	(50-140)	(30-140)
480-216699-1	IDW-01292024	96.3	86.7	78.7	96.1	86.0	96.5	87.6	98.1
480-216699-1	IDW-01292024								
480-216699-2	IDW-01292024-1	94.8	84.6	75.6	94.5	84.8	96.3	93.3	102
480-216699-2	IDW-01292024-1								
480-216699-2	IDW-01292024-1	95.3	98.7	87.9	86.3	92.2	94.2	87.8	79.3
480-216699-2 DU	IDW-01292024-1	98.0	94.9	84.1	91.5	84.3	99.8	93.9	93.6
MB 240-601727/1-A	Method Blank	94.7	93.4	84.3	85.9	78.6	80.5	81.2	75.3

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(55-150)	(55-150)	(45-140)	(30-130)	(45-200)	(10-200)	(60-200)
480-216699-1	IDW-01292024	101	122	103	90.2	88.1		83.5	
480-216699-1	IDW-01292024						57.3		191
480-216699-2	IDW-01292024-1	99.2	107	105	96.6	90.3		82.6	
480-216699-2	IDW-01292024-1						54.5		188
480-216699-2	IDW-01292024-1	57.5	94.8	85.5	80.2	98.1	82.5	73.6	104
480-216699-2 DU	IDW-01292024-1	56.3	101	90.3	87.4	98.4	97.0	72.1	110
MB 240-601727/1-A	Method Blank	53.8	82.7	75.1	74.0	77.5	70.3	65.1	95.8

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(60-200)	(50-200)	(25-160)	(10-150)	(10-150)	(10-130)	(15-130)	(10-150)
480-216699-1	IDW-01292024	192	197	81.7	74.2	71.1	66.1	64.3	103
480-216699-1	IDW-01292024								
480-216699-2	IDW-01292024-1	184	196	79.4	78.9	72.5	66.6	69.4	102
480-216699-2	IDW-01292024-1								
480-216699-2	IDW-01292024-1	126	86.1	91.8	73.2	69.5	61.5	60.1	65.6
480-216699-2 DU	IDW-01292024-1	119	89.1	90.3	64.2	59.2	55.5	55.5	73.1
MB 240-601727/1-A	Method Blank	106	79.2	88.0	65.9	64.0	55.5	51.6	65.9

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M

NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(10-130)	(40-150)	(40-150)	(40-150)	(30-140)	(30-140)	(20-140)	(20-140)
LCS 240-601727/3-A	Lab Control Sample	85.5	83.7	74.1	70.2	64.8	59.0	56.9	55.3
LLCS 240-601727/2-A	Lab Control Sample	95.1	89.1	85.3	84.3	88.4	77.2	75.0	68.5

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(10-130)	(25-150)	(25-150)	(20-140)	(10-130)	(10-200)	(10-200)	(25-200)
LCS 240-601727/3-A	Lab Control Sample	38.9	66.2	56.7	56.0	60.2	46.2	44.0	89.3
LLCS 240-601727/2-A	Lab Control Sample	54.8	86.9	76.6	71.5	72.5	69.5	63.1	110

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(25-200)	(25-200)	(25-160)	(10-150)	(10-150)	(10-130)	(10-130)	(10-150)
LCS 240-601727/3-A	Lab Control Sample	84.4	62.5	77.2	49.7	48.5	40.2	37.9	47.0
LLCS 240-601727/2-A	Lab Control Sample	102	84.4	85.1	66.8	64.3	52.9	46.6	66.9

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-601727/1-A
Matrix: Water
Analysis Batch: 601725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.0	U	8.0	2.1	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluoropentanoic acid (PFPeA)	4.0	U	4.0	1.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorotridecanoic acid (PFTrDA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorotetradecanoic acid (PFTeDA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorobutanesulfonic acid (PFBS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluoropentanesulfonic acid (PFPeS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.52	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluoroheptanesulfonic acid (PFHpS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorooctanesulfonic acid (PFOS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorononanesulfonic acid (PFNS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorododecanesulfonic acid (PFDoS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	8.0	U	8.0	2.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	8.0	U	8.0	2.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	8.0	U	8.0	2.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorooctanesulfonamide (PFOSA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.62	ng/L		01/31/24 11:03	01/31/24 14:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.52	ng/L		01/31/24 11:03	01/31/24 14:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20	U	20	5.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20	U	20	5.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.0	U	8.0	2.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.0	U	8.0	2.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.0	U	4.0	1.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.0	U	4.0	1.2	ng/L		01/31/24 11:03	01/31/24 14:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	8.0	U	8.0	2.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	8.0	U	8.0	2.0	ng/L		01/31/24 11:03	01/31/24 14:34	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-601727/1-A
Matrix: Water
Analysis Batch: 601725

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 601727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.0	U	4.0	1.0	ng/L		01/31/24 11:03	01/31/24 14:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10	U	10	2.5	ng/L		01/31/24 11:03	01/31/24 14:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50	U	50	13	ng/L		01/31/24 11:03	01/31/24 14:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50	U	50	15	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.50	ng/L		01/31/24 11:03	01/31/24 14:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.0	U	4.0	1.0	ng/L		01/31/24 11:03	01/31/24 14:34	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.7*		*10 - 130*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C5 PFPeA	*93.4*		*35 - 150*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C5 PFHxA	*84.3*		*55 - 150*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C4 PFHpA	*85.9*		*55 - 150*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C8 PFOA	*78.6*		*60 - 140*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C9 PFNA	*80.5*		*55 - 140*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C6 PFDA	*81.2*		*50 - 140*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C7 PFUnA	*75.3*		*30 - 140*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C2 PFTeDA	*53.8*		*10 - 130*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C3 PFBS	*82.7*		*55 - 150*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C3 PFHxS	*75.1*		*55 - 150*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C8 PFOS	*74.0*		*45 - 140*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C8 FOSA	*77.5*		*30 - 130*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
d3-NMeFOSAA	*70.3*		*45 - 200*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
d5-NEtFOSAA	*65.1*		*10 - 200*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
M2-4:2 FTS	*95.8*		*60 - 200*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
M2-6:2 FTS	*106*		*60 - 200*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
M2-8:2 FTS	*79.2*		*50 - 200*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C3 HFPO-DA	*88.0*		*25 - 160*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
d7-N-MeFOSE-M	*65.9*		*10 - 150*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
d9-N-EtFOSE-M	*64.0*		*10 - 150*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
d5-NEtPFOSA	*55.5*		*10 - 130*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
d3-NMePFOSA	*51.6*		*15 - 130*	*01/31/24 11:03*	*01/31/24 14:34*	*1*
13C2-PFDoDA	*65.9*		*10 - 150*	*01/31/24 11:03*	*01/31/24 14:34*	*1*

Lab Sample ID: LCS 240-601727/3-A
Matrix: Water
Analysis Batch: 601725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	100	95.2		ng/L		95	58 - 148
Perfluoropentanoic acid (PFPeA)	50.0	45.6		ng/L		91	54 - 152
Perfluorohexanoic acid (PFHxA)	25.0	26.1		ng/L		104	55 - 152
Perfluoroheptanoic acid (PFHpA)	25.0	23.4		ng/L		93	54 - 154
Perfluorooctanoic acid (PFOA)	25.0	24.7		ng/L		99	52 - 161
Perfluorononanoic acid (PFNA)	25.0	26.1		ng/L		105	59 - 149
Perfluorodecanoic acid (PFDA)	25.0	24.6		ng/L		98	52 - 147

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-601727/3-A
Matrix: Water
Analysis Batch: 601725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	25.0	24.0		ng/L		96	48 - 159
Perfluorododecanoic acid (PFDoA)	25.0	23.5		ng/L		94	64 - 142
Perfluorotridecanoic acid (PFTrDA)	25.0	23.5		ng/L		94	49 - 148
Perfluorotetradecanoic acid (PFTeDA)	25.0	24.2		ng/L		97	47 - 161
Perfluorobutanesulfonic acid (PFBS)	22.1	19.6		ng/L		88	62 - 144
Perfluoropentanesulfonic acid (PFPeS)	23.5	24.4		ng/L		104	59 - 151
Perfluorohexanesulfonic acid (PFHxS)	22.8	21.4		ng/L		94	57 - 146
Perfluoroheptanesulfonic acid (PFHpS)	23.8	22.0		ng/L		92	55 - 152
Perfluorooctanesulfonic acid (PFOS)	23.2	21.4		ng/L		92	58 - 149
Perfluorononanesulfonic acid (PFNS)	24.0	21.5		ng/L		90	52 - 148
Perfluorododecanesulfonic acid (PFDoS)	24.2	16.4		ng/L		68	36 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	93.4	100		ng/L		107	67 - 146
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	94.8	94.0		ng/L		99	61 - 151
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	95.8	97.2		ng/L		101	63 - 152
Perfluorooctanesulfonamide (PFOSA)	25.0	24.2		ng/L		97	61 - 148
N-methylperfluorooctane sulfonamide (NMeFOSA)	25.0	28.0		ng/L		112	63 - 145
N-ethylperfluorooctane sulfonamide (NEtFOSA)	25.0	25.3		ng/L		101	65 - 139
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.0	25.6		ng/L		103	58 - 144
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.0	24.7		ng/L		99	59 - 146
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	250	254		ng/L		102	71 - 136
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	250	249		ng/L		99	69 - 137
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	98.1		ng/L		98	63 - 144
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.2	91.8		ng/L		97	68 - 146
Perfluoro-4-methoxybutanoic acid (PFMBA)	50.0	45.4		ng/L		91	55 - 148
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	50.0	50.0		ng/L		100	48 - 161
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	93.2	62.5		ng/L		67	56 - 156
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	94.2	58.0		ng/L		62	46 - 156
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	44.5	37.8		ng/L		85	56 - 151

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-601727/3-A
Matrix: Water
Analysis Batch: 601725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	125	117		ng/L		93	62 - 129
3-Perfluoropentylpropanoic acid (5:3 FTCA)	625	655		ng/L		105	63 - 134
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	625	491		ng/L		79	50 - 138
Perfluorodecanesulfonic acid (PFDS)	24.1	19.5		ng/L		81	51 - 147
Perfluoro-3-methoxypropanoic acid (PFMPA)	50.0	46.7		ng/L		93	51 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*85.5*		*10 - 130*
13C5 PFPeA	*83.7*		*40 - 150*
13C5 PFHxA	*74.1*		*40 - 150*
13C4 PFHpA	*70.2*		*40 - 150*
13C8 PFOA	*64.8*		*30 - 140*
13C9 PFNA	*59.0*		*30 - 140*
13C6 PFDA	*56.9*		*20 - 140*
13C7 PFUnA	*55.3*		*20 - 140*
13C2 PFTeDA	*38.9*		*10 - 130*
13C3 PFBS	*66.2*		*25 - 150*
13C3 PFHxS	*56.7*		*25 - 150*
13C8 PFOS	*56.0*		*20 - 140*
13C8 FOSA	*60.2*		*10 - 130*
d3-NMeFOSAA	*46.2*		*10 - 200*
d5-NEtFOSAA	*44.0*		*10 - 200*
M2-4:2 FTS	*89.3*		*25 - 200*
M2-6:2 FTS	*84.4*		*25 - 200*
M2-8:2 FTS	*62.5*		*25 - 200*
13C3 HFPO-DA	*77.2*		*25 - 160*
d7-N-MeFOSE-M	*49.7*		*10 - 150*
d9-N-EtFOSE-M	*48.5*		*10 - 150*
d5-NEtPFOSA	*40.2*		*10 - 130*
d3-NMePFOSA	*37.9*		*10 - 130*
13C2-PFDoDA	*47.0*		*10 - 150*

Lab Sample ID: LLCS 240-601727/2-A
Matrix: Water
Analysis Batch: 601725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601727

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.73	J	ng/L		97	44 - 157
Perfluoropentanoic acid (PFPeA)	4.00	4.25		ng/L		106	57 - 148
Perfluorohexanoic acid (PFHxA)	2.00	2.10		ng/L		105	62 - 149
Perfluoroheptanoic acid (PFHpA)	2.00	1.88	J	ng/L		94	56 - 150
Perfluorooctanoic acid (PFOA)	2.00	1.88	J	ng/L		94	57 - 161
Perfluorononanoic acid (PFNA)	2.00	2.02		ng/L		101	53 - 157
Perfluorodecanoic acid (PFDA)	2.00	1.83	J	ng/L		91	43 - 158

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-601727/2-A
Matrix: Water
Analysis Batch: 601725

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 601727

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.00	2.02		ng/L		101	50 - 155
Perfluorododecanoic acid (PFDoA)	2.00	2.03		ng/L		101	60 - 141
Perfluorotridecanoic acid (PFTrDA)	2.00	1.88	J	ng/L		94	52 - 140
Perfluorotetradecanoic acid (PFTeDA)	2.00	2.04		ng/L		102	52 - 156
Perfluorobutanesulfonic acid (PFBS)	1.77	1.66	J	ng/L		94	63 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.92	J	ng/L		102	58 - 144
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.94	J	ng/L		107	44 - 158
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.77	J	ng/L		93	51 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.76	J	ng/L		95	43 - 162
Perfluorononanesulfonic acid (PFNS)	1.92	1.78	J	ng/L		93	46 - 151
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.59	J	ng/L		82	30 - 138
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.47	7.76	J	ng/L		104	52 - 158
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.58	8.26		ng/L		109	48 - 158
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.66	7.24	J	ng/L		94	46 - 165
Perfluorooctanesulfonamide (PFOSA)	2.00	1.91	J	ng/L		95	47 - 163
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.00	2.41		ng/L		121	54 - 155
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.00	2.04		ng/L		102	49 - 156
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.17		ng/L		109	32 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.00		ng/L		100	51 - 154
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	20.2		ng/L		101	56 - 151
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	19.0	J	ng/L		95	60 - 147
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	8.00	7.31	J	ng/L		91	58 - 154
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.54	7.78	J	ng/L		103	61 - 148
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.70	J	ng/L		92	49 - 154
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	3.97	J	ng/L		99	47 - 160
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	7.46	5.55	J	ng/L		74	44 - 167
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	7.54	5.54	J	ng/L		74	36 - 158
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.56	3.13	J	ng/L		88	56 - 144

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-601727/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 601725
Prep Batch: 601727

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	10.0	10.1		ng/L		101	32 - 161
3-Perfluoropentylpropanoic acid (5:3 FTCA)	50.0	49.7	J	ng/L		99	39 - 156
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	50.0	40.8	J	ng/L		82	36 - 149
Perfluorodecanesulfonic acid (PFDS)	1.93	1.67	J	ng/L		87	50 - 144
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	4.16		ng/L		104	48 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*95.1*		*10 - 130*
13C5 PFPeA	*89.1*		*40 - 150*
13C5 PFHxA	*85.3*		*40 - 150*
13C4 PFHpA	*84.3*		*40 - 150*
13C8 PFOA	*88.4*		*30 - 140*
13C9 PFNA	*77.2*		*30 - 140*
13C6 PFDA	*75.0*		*20 - 140*
13C7 PFUnA	*68.5*		*20 - 140*
13C2 PFTeDA	*54.8*		*10 - 130*
13C3 PFBS	*86.9*		*25 - 150*
13C3 PFHxS	*76.6*		*25 - 150*
13C8 PFOS	*71.5*		*20 - 140*
13C8 FOSA	*72.5*		*10 - 130*
d3-NMeFOSAA	*69.5*		*10 - 200*
d5-NEtFOSAA	*63.1*		*10 - 200*
M2-4:2 FTS	*110*		*25 - 200*
M2-6:2 FTS	*102*		*25 - 200*
M2-8:2 FTS	*84.4*		*25 - 200*
13C3 HFPO-DA	*85.1*		*25 - 160*
d7-N-MeFOSE-M	*66.8*		*10 - 150*
d9-N-EtFOSE-M	*64.3*		*10 - 150*
d5-NEtPFOSA	*52.9*		*10 - 130*
d3-NMePFOSA	*46.6*		*10 - 130*
13C2-PFDoDA	*66.9*		*10 - 150*

Lab Sample ID: 480-216699-2 DU
Client Sample ID: IDW-01292024-1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 601725
Prep Batch: 601727

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	110	U	100	U	ng/L		NC	30
Perfluoropentanoic acid (PFPeA)	54	U	52	U	ng/L		NC	30
Perfluorohexanoic acid (PFHxA)	7.9	J	26	U	ng/L		NC	30
Perfluoroheptanoic acid (PFHpA)	27	U	26	U	ng/L		NC	30
Perfluorooctanoic acid (PFOA)	13	J	8.58	J F5	ng/L		43	30
Perfluorononanoic acid (PFNA)	27	U	26	U	ng/L		NC	30
Perfluorodecanoic acid (PFDA)	27	U	26	U	ng/L		NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-216699-2 DU
Client Sample ID: IDW-01292024-1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 601725
Prep Batch: 601727

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	27	U	26	U	ng/L		NC	30
Perfluorododecanoic acid (PFDoA)	27	U	26	U	ng/L		NC	30
Perfluorotridecanoic acid (PFTrDA)	27	U	26	U	ng/L		NC	30
Perfluorotetradecanoic acid (PFTeDA)	27	U	26	U	ng/L		NC	30
Perfluorobutanesulfonic acid (PFBS)	27	U	26	U	ng/L		NC	30
Perfluoropentanesulfonic acid (PFPeS)	27	U	26	U	ng/L		NC	30
Perfluorohexanesulfonic acid (PFHxS)	27	U	26	U	ng/L		NC	30
Perfluoroheptanesulfonic acid (PFHpS)	27	U	26	U	ng/L		NC	30
Perfluorooctanesulfonic acid (PFOS)	27	U	26	U	ng/L		NC	30
Perfluorononanesulfonic acid (PFNS)	27	U	26	U	ng/L		NC	30
Perfluorododecanesulfonic acid (PFDoS)	27	U	26	U	ng/L		NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	110	U	100	U	ng/L		NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1500		44.9	J F3	ng/L		188	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	110	U	100	U	ng/L		NC	30
Perfluorooctanesulfonamide (PFOSA)	27	U	26	U	ng/L		NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	27	U	26	U	ng/L		NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	27	U	26	U	ng/L		NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	27	U	26	U	ng/L		NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	27	U	26	U	ng/L		NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	270	U	260	U	ng/L		NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	270	U	260	U	ng/L		NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	110	U	100	U	ng/L		NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	110	U	100	U	ng/L		NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	54	U	52	U	ng/L		NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	54	U	52	U	ng/L		NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	110	U	100	U	ng/L		NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	110	U	100	U	ng/L		NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	54	U	52	U	ng/L		NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-216699-2 DU
Client Sample ID: IDW-01292024-1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 601725
Prep Batch: 601727

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	130	U		130	U	ng/L				NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	670	U		650	U	ng/L				NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	670	U		650	U	ng/L				NC	30
Perfluorodecanesulfonic acid (PFDS)	27	U		26	U	ng/L				NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	54	U		52	U	ng/L				NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*98.0*		*10 - 130*
13C5 PFPeA	*94.9*		*35 - 150*
13C5 PFHxA	*84.1*		*55 - 150*
13C4 PFHpA	*91.5*		*55 - 150*
13C8 PFOA	*84.3*		*60 - 140*
13C9 PFNA	*99.8*		*55 - 140*
13C6 PFDA	*93.9*		*50 - 140*
13C7 PFUnA	*93.6*		*30 - 140*
13C2 PFTeDA	*56.3*		*10 - 130*
13C3 PFBS	*101*		*55 - 150*
13C3 PFHxS	*90.3*		*55 - 150*
13C8 PFOS	*87.4*		*45 - 140*
13C8 FOSA	*98.4*		*30 - 130*
d3-NMeFOSAA	*97.0*		*45 - 200*
d5-NEtFOSAA	*72.1*		*10 - 200*
M2-4:2 FTS	*110*		*60 - 200*
M2-6:2 FTS	*119*		*60 - 200*
M2-8:2 FTS	*89.1*		*50 - 200*
13C3 HFPO-DA	*90.3*		*25 - 160*
d7-N-MeFOSE-M	*64.2*		*10 - 150*
d9-N-EtFOSE-M	*59.2*		*10 - 150*
d5-NEtPFOSA	*55.5*		*10 - 130*
d3-NMePFOSA	*55.5*		*15 - 130*
13C2-PFDoDA	*73.1*		*10 - 150*

QC Association Summary

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

LCMS

Analysis Batch: 601725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216699-1	IDW-01292024	Total/NA	Water	1633	601727
480-216699-1	IDW-01292024	Total/NA	Water	1633	601727
480-216699-2	IDW-01292024-1	Total/NA	Water	1633	601727
480-216699-2	IDW-01292024-1	Total/NA	Water	1633	601727
480-216699-2	IDW-01292024-1	Total/NA	Water	1633	601727
MB 240-601727/1-A	Method Blank	Total/NA	Water	1633	601727
LCS 240-601727/3-A	Lab Control Sample	Total/NA	Water	1633	601727
LLCS 240-601727/2-A	Lab Control Sample	Total/NA	Water	1633	601727
480-216699-2 DU	IDW-01292024-1	Total/NA	Water	1633	601727

Prep Batch: 601727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-216699-1	IDW-01292024	Total/NA	Water	1633	
480-216699-1	IDW-01292024	Total/NA	Water	1633	
480-216699-2	IDW-01292024-1	Total/NA	Water	1633	
480-216699-2	IDW-01292024-1	Total/NA	Water	1633	
480-216699-2	IDW-01292024-1	Total/NA	Water	1633	
MB 240-601727/1-A	Method Blank	Total/NA	Water	1633	
LCS 240-601727/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 240-601727/2-A	Lab Control Sample	Total/NA	Water	1633	
480-216699-2 DU	IDW-01292024-1	Total/NA	Water	1633	

Lab Chronicle

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Client Sample ID: IDW-01292024
Date Collected: 01/29/24 10:30
Date Received: 01/31/24 09:40

Lab Sample ID: 480-216699-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			601727	WJW	EET CLE	01/31/24 11:03
Total/NA	Analysis	1633		1	601725	MRL	EET CLE	01/31/24 15:19
Total/NA	Prep	1633			601727	WJW	EET CLE	01/31/24 11:03
Total/NA	Analysis	1633		1	601725	MRL	EET CLE	01/31/24 15:34

Client Sample ID: IDW-01292024-1
Date Collected: 01/29/24 10:35
Date Received: 01/31/24 09:40

Lab Sample ID: 480-216699-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			601727	WJW	EET CLE	01/31/24 11:03
Total/NA	Analysis	1633		1	601725	MRL	EET CLE	01/31/24 16:19
Total/NA	Prep	1633			601727	WJW	EET CLE	01/31/24 11:03
Total/NA	Analysis	1633		1	601725	MRL	EET CLE	01/31/24 16:35
Total/NA	Prep	1633			601727	WJW	EET CLE	01/31/24 11:03
Total/NA	Analysis	1633		1	601725	MRL	EET CLE	01/31/24 16:50

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Laboratory: Eurofins Cleveland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10975	04-01-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1633	1633	Water	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)
1633	1633	Water	3-Perfluoroheptylpropanoic acid (7:3 FTCA)
1633	1633	Water	3-Perfluoropentylpropanoic acid (5:3 FTCA)
1633	1633	Water	3-Perfluoropropylpropanoic acid (3:3 FTCA)
1633	1633	Water	N-ethylperfluorooctane sulfonamide (NEtFOSA)
1633	1633	Water	N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)
1633	1633	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
1633	1633	Water	N-methylperfluorooctane sulfonamide (NMeFOSA)
1633	1633	Water	N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)
1633	1633	Water	Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)
1633	1633	Water	Perfluorodecanesulfonic acid (PFDS)
1633	1633	Water	Perfluorododecanesulfonic acid (PFDoS)
1633	1633	Water	Perfluoroheptanoic acid (PFHpA)
1633	1633	Water	Perfluorononanesulfonic acid (PFNS)
1633	1633	Water	Perfluorooctanesulfonamide (PFOSA)

Method Summary

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Method	Method Description	Protocol	Laboratory
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
1633	Solid-Phase Extraction (SPE)	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Parsons Corporation
Job ID: 480-216699-1
Project/Site: RG&E - Former East Station MGP Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-216699-1	IDW-01292024	Water	01/29/24 10:30	01/31/24 09:40
480-216699-2	IDW-01292024-1	Water	01/29/24 10:35	01/31/24 09:40

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

0.2/1.1

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler: Zack Cornish	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-192328-40285.1
Client Contact: Cathy Adamitis	Phone: 607-354-6482	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: Parsons Corporation	PWSID:			Job #:
Address: 301 Plainfield Road Suite 350	Due Date Requested:			
City: Syracuse	TAT Requested (days): 7 3 Day TAT			
State, Zip: NY, 13212	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 453580.30008.00			
Email: catherine.adamitis@parsons.com	WO #:			
Project Name: RG&E - Former East Station MGP Site	Project #: 48026925			
Site: East Station	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 - 1633 Standard List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
IDW - 01292024	1/29/24	1030	C	Water	N	N	2	2	
IDW - 01 29 2024-1	1/29/24	1085	C	Water	N	N	2	2	

480-216699 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Zack Cornish / Zack Cornish	1/29/24 @ 1130	Parsons	Rick Johnson	1/29/24 1215	EET
2	Rick Johnson	1/29/24 1230	EET		1-31-24 0940	EETNC
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** 480-216699
Barberton Facility

Client Parsons Site Name _____ Cooler unpacked by: Dm

Cooler Received on 1-31-24 Opened on 1-31-24

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 19 (CF +0.9 °C) Observed Cooler Temp. 0.2 °C Corrected Cooler Temp. 1.1 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 2	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	(Y)	N
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No (NA) pH Strip Lot# HC316719
14. Were VOAs on the COC?	Yes	(No)
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	Yes	No (NA)
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	(No)
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 12th Floor, Albany, NY 12233-7014
P: (518) 402-9662 I F: (518) 402-9722
www.dec.ny.gov

Transmitted via email only

February 6, 2024

Anne Burnham
Field Project Manager
Parsons
301 Plainfield Road, Suite 350
Syracuse, NY 13212
Anne.burnham@parsons.com

Re: Request to Transport and Treat Groundwater
RG&E East Station Former MGP Site
City of Rochester, Monroe County
Site #828204

Dear Anne Burnham:

The New York State Department of Environmental Conservation (NYSDEC) understands that Rochester Gas & Electric (RGE) has generated approximately 12,000 gallons of contaminated groundwater during pre-design investigation at the RGE - East Station site, located at Suntru Street in Rochester, New York. The groundwater is presently staged on-site in a frac tank, pending proper off-site disposal. RGE proposes to transport the groundwater via a fully accredited and licensed waste hauler to their RGE - West Station site located one (1) mile south, at 254 Falls Street. The groundwater would then be treated via RGE - West Station's Construction Water Treatment Plant prior to discharge via sanitary sewer under a short-term discharge permit from Monroe County.

NYSDEC understands results of the waste characterization analysis, collected from the frac tank on November 6, 2023, have indicated groundwater is below hazardous waste limits as stated in 40 CFR Part 261 and are below the standards required by the RGE - West Station discharge permit. The results do however indicate per- and polyfluoroalkyl substances (PFAS), namely perfluorooctanesulfonic acid (PFOS) detected at 3.2 parts per trillion (ppt), which is above the NYSDEC ambient water quality guidance value of 2.7 ppt.

With Monroe County's acceptance of this plan, NYSDEC can allow for the RGE - East Station groundwater to be brought to the RGE – West Station site, treated, and discharged to the appropriate point of entry. Groundwater from RGE – East Station cannot be comingled with water generated from RGE – West Station. Samples of the treated groundwater will be required prior to discharge and discharge is approved so long as the results meet the requirements of the discharge permit and County Sewer Use Law. Further, NYSDEC must be notified in the event that RGE-East Station groundwater fails to meet County discharge requirements. Considering the contaminants of concern in groundwater from RGE - East Station, monitoring and sampling shall be performed as per the requirements of the County permit along with analysis for PFAS via EPA Method 1633.Testing and approval by NYSDEC is required for any alternate or additional treatment/handling/disposal of groundwater in this manner.

If you have questions, or any issues arise, please feel free to contact me at 518-402-2029 or email: greta.white@dec.ny.gov.

Sincerely,



Greta White, P.G.
Project Manager
Remedial Action Bureau C
Division of Environmental Remediation

EC: J. Wolf, RG&E; Jeremy_wolf@avangrid.com
S. Weishaupt, Parsons; sara.weishaupt@parsons.com
A. Ruta, Parsons; any.ruta@parsons.com
K. Thompson, NYSDEC; kiera.thompson@dec.ny.gov
D. Pratt, NYSDEC; David.pratt@dec.ny.gov
S. Saucier, NYSDEC; sarah.saucier@dec.ny.gov
A. Perretta, NYSDOH; Anthony.perretta@health.ny.gov
J. Deming, NYSDOH; justin.deming@health.ny.gov

CK 151687
WJC 1/1/2025

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. 8575 ST- Permit No: 449

Fee: $125.00 Effective Date: 3/5/2024 Expiration Date: 8/31/2024

FirmName D.A. COLLINS CONSTRUCTION, INC.

Address 269 BALLARD ROAD, WILTON NY, 12831

Type of Business or Service CIVIL CONSTRUCTION COMPANY

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated 2/16/2024 and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A.

B.

C.

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) IAN ROBISON Phone 518-795-0049

Applicant's Signature Date 2/16/24

Applicant's Title PROJECT MANAGER

Emergency Contact JEFF BEECHER Phone 518-955-1631

Approved by: Issued this 4TH day of MARCH 20 24

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters

COUNTY OF MONROE
SEWER USE PERMIT ENCLOSURE

D. A. Collins Construction Company
269 Ballard Road
Wilton, NY 12831

PERMIT NUMBER: ST-449
DISTRICT NUMBER: 8575

SITE LOCATION: 1 Suntru Street, Rochester, NY 14605
TYPE OF BUSINESS: Remediation
SAMPLE POINT: Sample Tap – Post Treatment – West Side Treatment System

---

REQUIRED MONITORING

SELF MONITORING FREQUENCY:

1. **Each and Every Batch Discharge**

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto. In the absence of 40 CFR Part 136 testing methodology, a New York State Department of Health, approved method is acceptable. A grab sample, collected from the above noted sample point shall be analyzed for the following:

*Volatile Organic Compounds
*Semi-Volatile Organic Compounds
**PCBs
Priority Pollutant Metals:

Parameter	Limit		Parameter	Limit	
Ag	2.0	mg/L	Ni	3.0	mg/L
As	0.5	mg/L	Pb	1.0	mg/L
Be	5.0	mg/L	Sb	1.0	mg/L
Cd	1.0	mg/L	Se	2.0	mg/L
Cr	3.0	mg/L	Tl	1.0	mg/L
Cu	3.0	mg/L	Zn	5.0	mg/L
Hg	0.05	mg/L			

DISCHARGE ACTION LEVELS:
*The summation of all Volatile Organic Compounds, and Semi-Volatile Organic Compounds reported greater than 10 µg/L shall not exceed 2.13 mg/L.

**PCBs action level is 0.3 ug/L.

SPECIAL CONDITIONS:

1. **Sample results must be reviewed and approved by Monroe County prior to discharge.**
2. **Treatment system is to be inspected and approved by Monroe County prior to discharge.**
3. **Treatment equipment must be maintained to ensure proper filtration of the wastewater.**
4. **Discharge rate not exceed 100 gpm unless approved by Monroe County.**
5. **Total volume of water discharged shall be reported to Monroe County for billing purposes.**
6. **Groundwater from the East side project may not be comingled with water from the West side project.**
7. **Discharge must follow the conditions detailed in the NYSDEC letter dated February 6, 2024 in regard to additional analytical requirements and reporting.**

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
D. A. Collins
8 Sunset St
Rochester NY
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: National Vacuum Environmental Services — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
100 Falls St
Rochester, NY
Facility's Phone: — U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	dirty water	1	VT	2590	gal	
2.				2926.75	gal	
3.						
4.						

13. Special Handling Instructions and Additional Information
load #1 #2 #3 #4 — 11,707.1 Gallons

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Jeff Beecher — Signature — Month 3 Day 21 Year 24

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kieth Chatley — Signature — Month 3 Day 21 Year 24

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

2110058
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NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-9288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab

ALPHA Job #

Client Information

Client: D.A. Collins Env. Services, LLC
Address: 269 Ballard Road
Wilton NY 12831
Phone: 518 664 9855
Fax: 518 664 0925
Email: Pmorrissey@dacollins.com

Project Information

Project Name: RG&E West Station
Project Location: 100 Falls St. Rochester, NY 14614
Project # 2023502
(Use Project name as Project #) ☑
Project Manager: Philip W. Morrissey
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☑ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☑ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☑ NY
☐ Other: NA

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Hazardous waste characterization to include React - S, React - CN, PH, Ignitibility

Please specify Metals or TAL.

TAL Metals

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	608.3	3 GCSV PCB	625.1 MSSV	624	245.1	200.7	~~PFAS~~ T6	Total Bottles
	East Station Groundwater	3-27-24	9:15 am	AQ		X	X	X	X	X	X	X	
Container Type						A	A	A	A	A	A	P	
Preservative						A	A	A	A	A	A	A	

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Todd Eyan	3-27-24 9:28am	Jeff Nagel PACE	3/27/24 928
Jeff Nagel PACE	3/27/24 9:28		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)