
PHASE II REMEDIAL INVESTIGATION REPORT FOR THE TIME 1-HOUR CLEANERS SITE

SITE NUMBER 932158

Prepared For:



**Department of
Environmental
Conservation**

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Certification

"I, Thomas Drachenberg, certify that I am currently a New York state registered professional engineer as defined in 6 NYCRR Part 375 and that this Remedial 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 that all activities were performed in full accordance with the DER-approved work plan and DER-approved modifications."



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LIST OF ACRONYMS

ACRONYM	Definition	ACRONYM	Definition
APU	air purifying unit	PFOS	perfluorooctanesulfonic acid
bgs	below ground surface	PID	photoionization detector
CCR	Construction Completion Report	PPE	personal protective equipment
CSM	Conceptual Site Model	PVC	polyvinyl chloride
COC	contaminant of concern	PVE	passive injection
CVOC	Chlorinated volatile organic compound	PZ	piezometers
DCE	dichloroethene	QA/QC	quality assurance/quality control
DUSR	Data Usability Summary Report	RI	Remedial Investigation
ELAP	Environmental Laboratory Approval Program	RJS	RJS Environmental
ESA	Environmental Site Assessment	ROW	right-of-way
GES	Groundwater and Environmental Services, Inc.	RQD	Rock Quality Designation
GPRS	Ground Penetrating Radar Systems, LLC	SB	soil boring
HDPE	high density polyethylene	SCH40	schedule 40
HSA	hollow-stem augers	SCO	Soil Cleanup Objective
IDW	investigation-derived waste	SGV	Standards and/or Guidance Values
µg/kg	microgram(s) per kilogram	SIM	select ion monitoring
µg/L	microgram(s) per liter	Site	Time 1-Hour Cleaners (2526 and 2532 Pine Avenue)
µg/m ³	microgram(s) per cubic meter	SPT	standard penetration test
mg/kg	milligram(s) per kilogram	SS	surface soil
mg/L	milligram(s) per liter	SSDS	sub-slab depressurization system
mL/min	milliliter(s) per minute	SVE	soil vapor extraction
MS/MSD	matrix spike/matrix spike duplicate	SVI	soil vapor intrusion
MW	monitoring well	SVOC	semivolatile organic compound
NAD	North American Datum	TAL	Target Analyte List
NAVD	North American Vertical Datum	TCE	trichloroethylene (trichloroethene)
ng/L	nanograms per liter	TCL	Target Compound List
NTU	nephelometric turbidity unit	TCLP	Toxicity Characteristic Leaching Procedure
NYCRR	New York Codes Rules and Regulations	TOGS	Technical and Operational Guidance Series
NYSDEC	New York State Department of Environmental Conservation	USCS	Unified Soil Classification System
NYSDOH	New York State Department of Health	USEPA	U.S. Environmental Protection Agency
NYSDOT	New York State Department of Transportation	VOC	volatile organic compound
OBG	O'Brien and Gere, Inc.		
ORP	oxidation reduction potential		
PCB	polychlorinated biphenyl		
PCE	tetrachloroethylene		
PFAS	per and polyfluoroalkyl substances		
PFOA	perfluorooctanoic acid		

SECTION 1 - INTRODUCTION

This Remedial Investigation (RI) Report presents results of the Phase II investigation activities conducted at the Time 1-Hour Cleaners Site, Site Number 932158 (the Site). Phase II investigation work was completed from 2023 through 2024. RI activities described in this report were performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) DER-10 technical guidance (NYSDEC 2010) and written work scopes (Parsons 2013, 2018, and 2019) approved by NYSDEC prior to commencing investigation activities. A site location map is provided as **Figure 1**.

The purpose of the remedial investigation was to:

- Determine the extent of perchloroethylene (also known as tetrachlorethylene or PCE) and related chlorinated volatile organic compounds (VOCs) including daughter products in soil, groundwater, and soil vapor in the vicinity of the Site;
- Describe site conditions affecting transport of contaminants at the Site; and
- Assess impacts associated with contamination at the Site.

1.1 Site and Surrounding Development

The Site occupies approximately 0.24 acre and is located at 2526 and 2532 Pine Avenue in Niagara Falls, Niagara County, New York (**Figure 1**). Both parcels are mostly covered by the footprint of two structures. The parking area occupying the north side of both properties was originally unpaved; however, the property owner paved the 2532 Pine Avenue parking area in fall 2021 without involvement from Parsons. The 2526 Pine Avenue parking area remains gravel. In addition to paving, the property owner installed a subgrade stormwater drainage infrastructure that conducts stormwater to a catch basin. The two parcels making up this Site have the following uses:

- 2526 Pine Avenue, referred to as Time 1-Hour Cleaners, is a 4,143-square-foot structure that includes a former store front for dry cleaning items and three apartment units on the second floor.
- 2532 Pine Avenue, referred to as DiLaura DDS, is a two-story 3,012-square-foot building that contains a dental office on the first floor and a residential apartment on the second floor.

2602 Pine Avenue, referred to as Building 3, is adjacent to the eastern edge of the Site. The first floor of this property is periodically occupied and serves as a storefront for a business. The second floor of Building 3 has been operated as an apartment, but current occupancy is unknown.

The Site is situated at a ground surface elevation of approximately 575 feet (North American Vertical Datum of 1988 [NAVD88]). The slope in the Site vicinity follows the general area topography toward Gill Creek, which is located approximately 1,800 feet to the east/southeast of the Site (see **Figure 1**).

The Site is located in a densely populated commercial and residential area in the City of Niagara Falls. The Site is bordered to the north by a residential area, to the west by commercial and residential properties, to the east by a building (at 2602 Pine Avenue) and to the south by Pine Avenue, as shown on **Figure 1**. A site plan is included as **Figure 2**.

Dry cleaning operations began at the DiLaura DDS property at 2532 Pine Avenue during, or prior to, 1969 and continued at that location until 1982. The historical layout of dry-cleaning operations at DiLaura DDS is depicted in **Figure 3**. Beginning in 1982, dry cleaning operations moved to the adjacent property located at 2526 Pine Avenue. Dry cleaning operations continued at 2526 Pine Avenue until 1988 when the dry cleaning equipment was removed and on-site services were limited to garment pressing and drop off/pickup (no active dry cleaning).

The 2526 Pine Avenue property was sold by Time 1-Hour Cleaners to the Rahima Aziz Foundation on June 14, 2021.

No water supply wells have been identified immediately downgradient of the Site. The nearest water supply well found during a records search for this remedial investigation is located at least 2 miles southeast of the Site. No wetlands exist on or adjacent to the Site based on New York state and federal wetland mapping.

1.2 Previous Site Investigations and Remediation

The Site has an extensive history of investigation and characterization efforts including a Phase II Environmental Assessment (ESA) and a soil vapor intrusion (SVI) investigation, conducted prior to Parsons's involvement at the Site (RJS Environmental 2011; Groundwater and Environmental Services, Inc. (GES) 2012a). Historical investigations, as well as Parsons RI findings, are summarized in the RI Report (Parsons 2022). Samples collected during prior investigation efforts are summarized in **Appendix A**.

Initial investigations identified impacts to indoor air, surface soil, subsurface soil, and groundwater at the Site associated with dry cleaning operations, including elevated concentrations of tetrachloroethylene (PCE), trichloroethene (TCE), and dichloroethene (DCE). Initial results from the SVI investigation were compared to the decision matrices contained in the New York State Department of Health (NYSDOH) SVI Guidance (NYSDOH 2006), which indicated the need for mitigation measures at the Time 1-Hour Cleaners, DiLaura DDS, and Building 3 properties. Mitigation measures at these properties are documented in the *Draft Construction Completion Report for the Time 1-Hour Cleaners Site* (CCR) (Parsons 2024) and summarized in Section 1.2.3 and Section 1.3.3.

Site investigation and characterization continued with Phase I RI activities conducted by Parsons. Phase I RI activities included collection of overburden soil samples, installation of bedrock monitoring wells (MW), collection of bedrock groundwater samples, and collection of sub-slab soil samples under the DiLaura DDS basement. RI activities related to soil vapor included collection of indoor soil vapor intrusion (SVI) samples from both Time 1-Hour Cleaners and DiLaura DDS properties, and outdoor soil vapor from the Pine Avenue right-of-way (ROW) to identify potential source areas associated with utility corridors. A brief summary of these activities is listed below. Additional details can be found in the Phase I RI Report (Parsons, 2022).

1.2.1 Phase I RI Site Investigation Activities

- **March 2014** – Four SVI samples were collected by O'Brien & Gere Inc. (OBG) at DiLaura DDS and two SVI samples were collected at the Time1-Hour Cleaners building. One sub-slab sample, one first floor indoor air sample and a duplicate, and one outdoor ambient air sample were collected from the DiLaura DDS building. One sub-slab sample, and one basement indoor air sample were collected from the Time 1-Hour Cleaners building.
- **April 2014** – Three surface soil samples (SS-01, SS-02, SS-03) were collected in the gravel lot on the north end of the Time 1-Hour Cleaners property. Samples were obtained in the top 6 inches of soil by Parsons personnel using a hand auger. Seven soil borings (MW-02, MW-04, MW-05, MW-06, SB-06, SB-07, SB-09) were installed and sampled.
- Two subsurface samples were collected from each location, with one sample collected from the vertical interval exhibiting the highest photoionization detector (PID) reading and/or visual contamination or odors, and one sample collected at or near the bottom of the soil boring. At borings MW-05 and MW-06, only one sample was collected from near or at the bottom of each boring. Samples were sent for laboratory analysis.
- **April 2015** – OBG collected four SVI samples were collected from the DiLaura DDS building: one basement indoor air sample and duplicate, one first floor indoor air sample, and one outdoor ambient air sample.

- **July 2015** – Nine exterior soil vapor points were installed to investigate possible impacts of fill applied around sewer lines that enter the buildings. Each soil vapor point was constructed with 6-inch steel mesh implants with 0.25 inch Teflon tubing to a depth of 2.8 to 4.5 feet below ground surface (bgs). At each location, the annular space was filled with glass beads or sand and sealed with bentonite to just below ground surface and completed with a road box and flush mount cover. Samples were collected by OBG from sample points over a four hour duration using Summa cannisters and submitted for laboratory volatile organic compound (VOC) analysis.
- **September 2015** – Additional SVI sampling was completed by OBG. One outdoor air sample was collected at the north and south system exhaust hoods at the Time 1-Hour Cleaners building. Ten SVI samples were collected at the DiLaura DDS building: a basement indoor air sample and duplicate, two garage indoor air samples, an office indoor air sample, a second floor landing indoor air sample, an outdoor ambient air sample, an outdoor air sample near the garage, an outdoor air sample near the furnace intake, and an outdoor air sample on the second floor balcony.
- **October 2015** - Two grab samples were collected from water accumulated in the DiLaura DDS basement sump.
- **March 2016** – Seven SVI samples were collected from the DiLaura DDS building: one sub-slab sample from the first floor garage, one basement indoor air sample, one first floor office indoor air sample, one second floor landing indoor air sample, one outdoor air sample and duplicate from near the furnace intake, and one ambient outdoor air sample.
- **June 2016** – One water sample was collected from the sub-slab at the DiLaura DDS building by OBG for VOCs.
- **August 2016** – OBG collected seven SVI samples were collected from the DiLaura DDS building, consistent with the March 2016 sampling event: one sub-slab sample from the first floor garage, one basement indoor air sample, one first floor office indoor air sample, one second floor landing indoor air sample, one outdoor air sample and duplicate from near the furnace intake, and one ambient outdoor air sample.
- **November 2016** – OBG collected ten SVI samples from the DiLaura DDS building: a basement indoor air sample and duplicate, a first floor office indoor air sample, a second floor landing indoor air sample, indoor air samples in each of the two second floor bedrooms, a second floor living room indoor air sample, an outdoor air sample near the furnace intake, a second floor balcony outdoor air sample, and an upwind ambient air sample.
- **March 2017** – OBG collected five indoor air samples, two sub-slab samples, and one ambient outdoor air sample. An indoor air sample and its duplicate were collected from the Time 1-Hour Cleaners building first floor retail and storage area. Two sub-slab samples and three indoor air samples were collected from Building 3 along with one ambient outdoor air sample collected outdoors.
- **June 2018** – Parsons installed five additional soil borings (SB-10, SB-11, MW-07, MW-08, MW-09) and sampled as part of the Supplemental RI Subsurface Investigation. SB-10 was advanced to refusal in the yard adjacent to the DiLaura DDS building and SB-11 was advanced to four feet beneath the basement slab. MW-07, MW-08, and MW-09 were advanced to auger refusal and then cored into bedrock using an HQ™ core barrel. Bedrock monitoring wells were installed in MW-07, MW-08, and MW-09. A representative soil sample was submitted for laboratory analysis from each boring location from the depth where the highest PID readings were observed, with the following two exceptions:
 - MW-08 soil samples were lost in transit to the laboratory.
 - SB-11 samples were collected from each 6-inch interval below concrete due to observed impacts and elevated PID readings.

During the installation of SB-11, standing water was noted in the borehole. A 2-inch schedule 40 (SCH40) polyvinyl chloride (PVC) 10-slot screen was installed in the borehole. Groundwater was purged prior to

sampling using a peristaltic pump and dedicated high density polyethylene (HDPE) tubing. The samples were submitted for laboratory analysis.

Following installation of MW-07, MW-08, MW-09, each well was developed via peristaltic pump until 10 well volumes were removed or until 50 nephelometric turbidity unit (NTU) was achieved.

- **July 2018** – Parsons sampled MW-07, MW-08, and MW-09 using low-flow/low-stress sampling techniques. Groundwater in each monitoring well was purged prior to sampling using a peristaltic pump and dedicated HDPE sample tubing. Water quality parameters were monitored at five-minute intervals until stabilization criteria had been met. Samples were submitted for laboratory analysis.

1.2.2 Phase I RI Site Investigation Results

Surface soil samples collected north of Time 1-Hour Cleaners exceeded unrestricted and residential Soil Cleanup Objectives (SCOs) for PCE. Organic contamination of Site subsurface soils is characterized by SCO exceedances for PCE and associated daughter compounds TCE, DCE, and vinyl chloride. Historical soil samples collected in 2011 from north of the Time 1-Hour Cleaners showed elevated PCE concentrations in all soil borings. The highest concentrations of PCE, TCE, DCE, and vinyl chloride in subsurface soils observed during the Phase I RI were from borings in the DiLaura DDS basement and behind Time 1-Hour Cleaners.

Phase I RI groundwater analytical results showed impacts from PCE, TCE, DCE, and vinyl chloride in bedrock wells. Results from MW-09 (downgradient) and MW-08 (cross-gradient) indicated that the dissolved phase plume may be migrating offsite to the south and/or southeast, but the limits of the plume were only partially defined. Elevated PCE relative to TCE, DCE, and vinyl chloride in the source area below the DiLaura DDS basement and increased TCE, DCE, and vinyl chloride with lesser PCE away from the source area indicate that some natural attenuation of PCE is taking place in groundwater.

Previous attempts to install monitoring wells in overburden were unsuccessful due to the lack of water observed. A water sample was collected from a temporary well installed at SB-11 in the DiLaura DDS basement. Concentrations above Class GA Standards and/or Guidance Values (SGVs) from NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 (NYSDEC 1998) for PCE, TCE, and DCE were observed in the water sample from SB-11.

1.2.3 Prior Site Interim Remedial Measures (2012 – 2019)

In 2012, a sub-slab depressurization system (SSDS) was installed at the Time 1-Hour Cleaners property to mitigate indoor air impacts. Subsequent investigations identified indoor air impacts in the form of elevated PCE concentrations within the DiLaura DDS building.

In November/December 2015, GES implemented mitigation measures at the DiLaura DDS property, including sealing of a sump and gravel pit in the basement as well as the installation of three air purifying units (APUs). Subsequently, four additional APUs were added to the DiLaura DDS property:

- Three APUs in the basement
- Two APUs on the ground floor (one each in the dentist's office and access corridor)
- Two APUs within the second floor apartment

In June 2017, the previously sealed sump was modified to include a ventilation system to preclude buildup and intrusion of volatiles within the sump.

In June 2018, an SSDS was installed in the basement of an adjacent building to the Site, referred to as Building 3 (**Figure 2**) due to elevated concentrations of PCE observed in SVI samples collected in 2017. Follow-up evaluations have not occurred because the property owner has restricted access to this property.

In August 2019, a soil vapor extraction (SVE) system was installed at the DiLaura DDS property (CCR, Parsons 2024). The system consists of a prefabricated SVE system, three SVE wells, and two passive air intake wells (PVE wells on **Figure 4**). The system was not turned on until January 2021.

1.3 Phase II RI Project Objectives

The Phase II RI scope of work was developed to address data gaps remaining after on-site RI activities had been completed.

1.3.1 Soil Data Gaps

Areas beneath the DiLaura DDS building and behind Time 1-Hour Cleaners have exhibited elevated PCE concentrations, including SCO exceedances, in soil. Additional soil samples were collected during the Phase II RI to evaluate the extent of site contaminants of concern (COCs) between the two areas and further delineate SCO exceedances. This information will facilitate development and evaluation of remedial alternatives during the feasibility study and may inform remedy selection.

Additionally, soil samples were collected from MW-08 during prior phases of the RI but were lost in transit to the laboratory and were not analyzed. Therefore, the nature of potential soil impacts east of Building 3 constituted a data gap, and additional soil samples were collected to evaluate whether PCE and/or daughter products are present.

1.3.2 Groundwater Data Gaps

Saturated conditions have been observed in overburden soils beneath DiLaura DDS despite multiple dewatering efforts. Based on the results of a hydrologic study conducted in 2022, three piezometers (PZ-01, PZ-02, PZ-03) were installed across the Site to further evaluate the nature and extent of overburden groundwater, as shown on **Figure 4**. The presence of overburden groundwater has been used to update the Conceptual Site Model (CSM) with respect to overburden groundwater contamination and the following aspects of the DiLaura DDS sub-slab environment:

- potential infiltration of rainwater
- recharge from surrounding areas

Piezometers were constructed to facilitate collection of water elevations and groundwater samples in the event persistent water was encountered.

RI data collected from bedrock groundwater monitoring wells indicated that the highest concentrations of PCE and daughter products were found in the furthest downgradient well from the Site, MW-09 (**Figure 4**). Additional bedrock monitoring wells (MW-10 through MW-12) were installed during the Phase II RI to further delineate the distribution and extent of contaminants on the Site, as well as to evaluate the potential existence of off-Site contributors for the elevated concentrations observed in MW-09.

1.3.3 Ongoing Soil Vapor Intrusion Evaluation

Supplemental SVI sampling was proposed at the DiLaura DDS in 2023 and 2024 to further evaluate 1) impacts to indoor air and 2) efficacy of mitigation measures implemented at the Site to date. A timeline of indoor air mitigation measures implemented at the Site to date is presented in the CCR (Parsons 2024).

Previous sampling events were conducted in the DiLaura DDS building to evaluate the efficacy of the combined mitigation approach, including:

1. Operation of APUs
2. Replacement of the basement sewer line
3. Sealing of the basement slab and utility penetrations
4. Operation of the soil vapor extraction system

Results from prior sampling events indicated that the combined mitigation measures had successfully reduced indoor air concentrations (RI Report; Parsons 2022). The goal of the 2023 and 2024 sampling events was to evaluate mitigation measure efficacy without continued operation of the APUs; therefore, the APUs were deactivated prior to sampling.

Soil vapor intrusion sampling results from historical investigations and RI activities are presented in **Appendix B**. The results include Phase II RI results as well as trend plots of indoor air concentrations for the Time 1-Hour Cleaners and DiLaura DDS properties. The initial RI Report (Parsons 2022) presented summary figures and tables for data collected up to that point. Relevant Phase I RI figures and tables are excerpted and presented in **Appendix C**.

SECTION 2 – PHASE II REMEDIAL INVESTIGATION ACTIVITIES

Parsons conducted Phase II RI activities in accordance with the *Remedial Investigation Phase II Work Plan for the Time 1-Hour Cleaners Site* (Parsons 2023).

The RI activities are summarized in Sections 2.1 through 2.7, as follows:

- Section 2.1 Summary of Phase II Field Activities
- Section 2.2 Phase II Geophysical Investigation and Site Survey
- Section 2.3 Phase II Soil Investigation
- Section 2.4 Phase II Groundwater Investigation
- Section 2.5 Phase II Soil Vapor Intrusion Investigation
- Section 2.6 Waste Management
- Section 2.7 Data Validation and Reporting

2.1 Summary of Phase II RI Field Activities

Phase I RI field activities are detailed in the RI Report (Parsons 2022). Phase II RI activities were conducted from November 2023 through July 2024 and included the following elements:

- A multi-day dewatering event was conducted in SVE and passive injection (PVE) wells beneath DiLaura DDS, during which between 100 and 110 gallons of water were removed (October and November 2022).
- Transducers were deployed in select SVE and PVE wells beneath DiLaura DDS (SVE-01, SVE-02, SVE-03, PVE-01) for two weeks. The basement flooded due to a boiler leak during this event, which resulted in three wells (SVE-01, SVE-02, PVE-01) being filled with water (October 2023).
- A dewatering and sampling event was conducted in SVE and PVE wells beneath DiLaura DDS, during which 75 gallons were purged from wells (November 2023).
- Four new monitoring wells were installed, including two wells (MW-10, MW-11) within the DiLaura DDS property boundary, one well (MW-13) behind Building 3, and one well across Pine Avenue (MW-12).
- Three piezometers were installed, including two piezometers (PZ-01, PZ-02) within the DiLaura DDS property and one piezometer (PZ-03) adjacent to Building 3.
- One new soil boring (SB-13) was installed and sampled behind Building 3 (November 2023).
- Synoptic water level measurements were collected in March, April, May, and July 2024.
- Groundwater samples were collected from extant monitoring wells, piezometers, and SVE/PVE wells (April 2024).
- Biodegradation indicator groundwater samples were collected from extant monitoring wells, piezometers, and SVE/PVE wells (May 2024).

2.2 Phase II RI Geophysical Investigation and Site Survey

Dig Safely New York was contacted to identify, locate, and demarcate public utility clearance in the vicinity of the Time 1-Hour Cleaners and DiLaura DDS properties prior to commencement of intrusive activities. Additionally, a non-intrusive geophysical survey was performed by Ground Penetrating Radar Systems, LLC (GPRS) to locate and demarcate private utilities. GPRS was subcontracted by GES for the Phase II RI scope of work. Identified underground Site utilities or obstructions were marked in the field. The soil boring and well locations are shown on **Figure 4**.

The Site survey included collecting as-built coordinates and elevations for newly constructed piezometers and monitoring wells. Horizontal survey data were based on the North American Datum 1983 (NAD83) New York State Plane (Western Zone) coordinate system (in U.S. feet). Elevations were based on the North American Vertical Datum 1988 (NAVD88) (in U.S. feet). As-built soil boring, piezometer, and monitoring well location data are presented in **Table 1**.

2.3 Phase II RI Soil Investigation

The objective of the Phase II RI soil investigation was to address data gaps remaining after the Phase I RI efforts and further refine the horizontal and vertical extent of soil contamination. Further delineation of Site soil contamination was achieved through installation and collection of soil samples from soil borings associated with the three piezometers (PZ-01 through PZ-03) and four new monitoring wells (MW-10 through MW-13) as well as one additional soil boring (SB-13). Sample locations are shown on **Figure 4** and summarized in **Table 1**. Soil borings associated with the newly installed monitoring wells were further advanced into bedrock using bedrock coring techniques as discussed in Section 2.6.1.

Soil borings were installed by Atlantic Testing Laboratories (ATL), a New York State-licensed drilling company, from November 2 through November 17, 2023. Prior to drilling, each location was cleared with a hand auger to a depth of 5 feet bgs, with PZ-03 and MW-11 cleared to 8 feet bgs due to the proximity to underground utilities. Soil borings were advanced using a CME-550 drilling rig equipped with hollow-stem augers (HSA) from grade until refusal conditions were met, generally from 15.1 to 16.6 feet bgs. Soils were continuously sampled, and Standard Penetration Testing (SPT) was performed using a standard 2-inch diameter split-spoon sampler.

Soils recovered via split-spoon sampler were visually examined for physical characteristics and described using the Unified Soil Classification System (USCS). Recovered soil headspace was screened with a PID and any olfactory characteristics or other indicators of contamination were noted. Soil boring logs are provided in **Appendix D**.

Soil samples from prior investigations indicate that the highest concentrations of site COCs were generally, although not exclusively, observed in samples collected from 8.0 to 10.0 feet bgs. Therefore, this depth interval was specified for sample collection during Phase II RI field activities, in addition to intervals exhibiting high PID readings or other indications of contamination.

PZ-01, PZ-02, PZ-03, SB-13, MW-11, and MW-13 were sampled according to the following criteria:

1. Depth interval immediately beneath pavement and/or fill materials,
2. Depth interval with the highest PID reading, other contaminant indicators, or highest moisture content,
3. Depth interval beneath the interval with the highest PID reading, other contaminant indicators, or highest moisture content,
4. 8.0- to 10.0-foot bgs depth interval.

Consistent with the criteria outlined above, three soil samples were collected at MW-10 and MW-12 from the interval underlying pavement and/or fill materials, from 8.0 to 10 feet bgs, and from the interval exhibiting the highest moisture content (due to lack of elevated PID readings or other contaminant indication). Insufficient soil recovery precluded collection of a fourth sample at both locations.

Soil samples were placed into laboratory-provided bottleware and submitted to Pace Analytical Laboratory (Pace) for the following analyses:

- Target Compound List (TCL) VOCs using U.S. Environmental Protection Agency (USEPA) Method SW-846 8260
- TCL Semivolatile Organic Compounds (SVOCs) using USEPA Method SW-846 8270

- Polychlorinated biphenyls (PCBs) using USEPA Method SW-846 8082
- TCL Pesticides using USEPA Method SW-846 8081
- TCL Herbicides using EPA Method SW-846 8151
- Target Analyte List (TAL) Metals using USEPA Method SW-846 6010/6020
- Cyanide using USEPA Method SW-846 9012
- Mercury using USEPA Method SW-846 7470
- 1,4-Dioxane using USEPA Method SW-846 8270 select ion monitoring (SIM)
- Per- and polyfluoroalkyl substances (PFAS) using USEPA Method 1633

Field quality control (QC) samples (matrix spike/matrix spike duplicates [MS/MSDs] and field duplicate) were collected from SB-13.

2.4 Phase II RI Groundwater Investigation

The objective of the Phase II RI groundwater investigation was to further refine the horizontal extent of groundwater contamination and local groundwater flow direction in overburden soils and bedrock. The Phase II RI scope of work specified the installation of three piezometers in overburden soils (PZ-01, PZ-02, PZ-03) and four bedrock wells (MW-10 through MW-13). Piezometer and monitoring well locations are shown on **Figure 4**. Piezometer and monitoring well construction details are summarized on **Table 1**. It should be noted that overburden groundwater includes water in the piezometers, SVE wells, and the PVE wells.

2.4.1 Piezometer Installation

The three piezometers (PZ-01, PZ-02, PZ-03) were advanced into overburden soils until refusal was encountered. Piezometers were constructed in the parent soil borings following refusal and collection of requisite soil samples. Piezometers were constructed with 2-inch-diameter, 10-foot-long schedule 40 (SCH40) PVC 10-slot well screen and 2-inch diameter SCH40 PVC riser to ground surface. The annular space surrounding the screen was backfilled with #0 silica sand from the bottom of the borehole to 2 feet above the screen. Bentonite was used to seal the borehole from the top of the sand pack to the surface.

2.4.2 Monitoring Well Installation

Four bedrock monitoring wells (MW-10 through MW-13) were installed at the locations shown on **Figure 4**. Overburden soils were drilled and sampled at these locations, as discussed in Section 2.3. The soil borings for these wells were advanced to the top of competent rock, which ranged from 15.1 to 16.6 feet bgs. A permanent 4-inch-diameter steel casing was installed approximately 2 feet into competent bedrock at each of the new bedrock monitoring well location, sealed with grout, and allowed to cure for 24 hours.

Coring was performed using an HQ-sized core barrel and continued approximately 10 feet into bedrock in two 5-foot runs. Bedrock cores were recovered, logged, described, and photographed. Rock Quality Designation (RQD) values for each of the core runs ranged from 64 to 94 percent, and generally indicated a rock mass quality of fair to good.

Monitoring wells were constructed in each of the core holes, and consisted of 2-inch diameter by 10-foot-long SCH40 PVC 10-slot well screen and 2-inch diameter SCH40 PVC riser to ground surface. Following installation, the annular space around the well screen was backfilled with #0 silica sand to two feet above the top of the screened interval. A 2-foot bentonite seal was placed above the filter sand. The bentonite was hydrated prior to the placement of 12 to 13 feet of grout to approximately 0.5 feet bgs.

Each well was completed with a locking J-plug and flush-mount protective cover. Rock and soil drill cuttings were containerized in New York State Department of Transportation (NYSDOT) 55-gallon steel drums for further characterization and disposal as discussed in Section 2.6.

Boring logs and well construction schematics for each of the monitoring wells are provided in **Appendix D**.

2.4.3 Well Development

Following installation, each well was developed to remove fine-grained formation soils that may have settled in and around the well screen. Development consisted of the removal of ten well volumes or achieving a sustained turbidity reading of 50 NTUs, or less. Development was completed using a Waterra pump and dedicated HDPE tubing.

The newly installed piezometers and monitoring wells were developed between November 27 and 29, 2023. The depth to groundwater was measured to the nearest 0.01-foot with an electronic water level meter prior to, during and after development. PZ-01, PZ-02, and PZ-03 were all purged dry within approximately one hour.

Clean drilling water was lost to formation fractures during installation of new bedrock monitoring wells; therefore, 10 well volumes plus the approximate volume of water lost to formation was purged. An additional development criterion for new bedrock monitoring wells was to achieve a turbidity reading of 50 NTUs or less. The approximate volumes of water lost to the formation for each bedrock monitoring well is as follows:

- MW-10: 225 gallons
- MW-11: 200 gallons
- MW-12: 175 gallons
- MW-13: 175 gallons

Water quality parameters were monitored at roughly 10 to 20 minute intervals until the following stabilization criteria were met:

- Temperature: ± 1 degree Celsius
- Specific conductance: ± 3 percent
- pH: ± 0.1 standard units (S.U.)
- Turbidity: ± 10 percent

Water quality parameter measurements and field observations during sampling were recorded on well development forms provided in **Appendix E**.

2.4.4 Groundwater Sampling

Groundwater samples were collected from Site bedrock monitoring wells (MW-07, MW-08, MW-09, MW-10, MW-11, MW-12, MW-13) on April 24 to 25, 2024 and submitted to Pace for laboratory analysis of the following parameters:

- TCL VOCs via USEPA Method 8260
- TCL SVOCs via USEPA Method 8270
- TCL Pesticides via USEPA Method 8081
- TCL Herbicides via USEPA Method 8151
- PCBs via USEPA Method 8082
- Total and dissolved TAL metals plus mercury via USEPA Methods 6010, and 7470A
- 1,4-Dioxane via USEPA Method 8270 SIM
- PFAS via USEPA Method 1633

Additionally, groundwater samples were collected from all bedrock monitoring wells on May 14 and 15 2024 and analyzed for biodegradation indicators using a combination of field tests and laboratory analyses. Hach® Field tests were performed for:

- Sulfate
- Ferrous iron
- Chloride
- Carbon dioxide
- Nitrate
- Alkalinity

Biodegradation indicator samples were submitted to the laboratory for the following analyses:

- Total and dissolved manganese via USEPA Method 6010
- Sulfate, chloride, nitrate, nitrite, and combined nitrate-nitrite via USEPA Method E300.0
- Sulfide via USEPA Method 4500-S F
- Methane, ethane, and ethene via USEPA Method RSK175
- Total organic carbon via Standard Method 5310

Groundwater samples were collected from Site monitoring wells using low-flow/low-stress sampling methodology. The depth to groundwater was measured to the nearest 0.01-foot in each monitoring well and piezometer with an electronic water-level meter prior to and throughout purging. Groundwater in each monitoring well was purged prior to sampling using a peristaltic pump and dedicated HDPE sample tubing. A Horiba U-52 water quality meter was used to measure target water quality parameters throughout purging until the following stabilization criteria were met:

- Temperature: ± 1 degree Celsius
- Specific conductance: ± 3 percent
- pH: ± 0.1 S.U.
- Oxidation-reduction potential (ORP): ± 10 millivolts (mV)
- Dissolved oxygen: ± 10 percent
- Turbidity: ± 10 percent

Purging activities continued with water quality parameters being measured and recorded in 5-minute intervals until water quality readings fell within the stabilization criteria outlined above for three successive intervals.

Overburden groundwater samples were also collected from piezometers (PZ-01, PZ-02, PZ-03) on May 30, 2024, and submitted for laboratory analysis. Water recovery was observed to be very slow during groundwater sampling, as discussed in Section 2.4.4.2 Water levels in the piezometers did not stabilize when pumped at low flow pumping rates; therefore piezometers were purged dry and sampled the next day. Piezometers failed to recover to pre-pumping levels overnight. Consequently, samples were collected and submitted for laboratory analysis for VOCs only, due to limited sample volume.

Groundwater samples were collected using dedicated sample tubing and laboratory-provided bottleware.

For quality assurance (QA)/QC purposes, a field blank, an equipment blank, a trip blank, a field duplicate sample, and an MS/MSD pair sample were collected on April 24 and 25, 2024. The samples were submitted to Pace Analytical for analysis. From April 24 through 25, 2024, HACH® kits were used in the field to collect the following biodegradation parameters: sulfate, carbon dioxide, ferrous iron, nitrate/nitrite, alkalinity, and chloride.

2.4.4.1 Basement SVE and PVE Well Water Sampling

Water has been consistently observed in SVE and PVE wells since their installation. Overburden groundwater samples were collected from SVE and PVE wells (SVE-01, SVE-02, SVE-03, PVE-01, PVE-02) on April 24, 2024,

and submitted for laboratory VOC analysis (**Table 1 and Figure 4**). Water samples were collected from SVE-01, SVE-02, and SVE-03 and analyzed for biodegradation indicators through a combination of field and laboratory testing, as discussed below.

The following biodegradation indicators were analyzed using field test kits:

- Sulfate
- Carbon dioxide
- Ferrous iron
- Nitrate/nitrite
- Alkalinity
- Chloride

Water samples were collected from SVE and PVE wells on May 14, 2024, and submitted for laboratory analysis of the following biodegradation indicators:

- Sulfate via USEPA method E300.0
- Chloride via USEPA method E300.0
- Nitrite via USEPA method E300.0
- Methane via USEPA method RSK175
- Ethane via USEPA method RSK175
- Ethene via USEPA method RSK175
- Sulfide via USEPA method 4500-S F
- Combined nitrate-nitrite via USEPA method E300.0
- Total and dissolved manganese via USEPA method 6010
- Total organic carbon via Standard Method 5310B

Field QA/QC samples were collected on April 24, 2024, including field, equipment, and trip blanks; field duplicate samples; and MS/MSD samples.

2.4.4.2 Piezometer Recovery Testing

Piezometer water level recovery rates were measured during the May 30 to 31, 2024 groundwater sampling and synoptic water level event. Recovery rates were measured by pumping PZ-02 and PZ-03 dry. PZ-01 was pumped until 2.67 feet of water remained in the well. The field crew stopped work due to a safety concern and were unable to purge the well dry (see groundwater sampling forms in **Appendix E**). Purging of PZ-01, PZ-02, and PZ-03 took place on May 30th, allowing the wells to recover overnight. When the field crew returned to the Site on May 31st, they recorded the water depth, and amount of time each well had been allowed to recover. The change in water depth, combined with the cross-sectional area of the well, were used to calculate the volume of water recovered to the well and therefore recovery rate in milliliters per minute (mL/min). The results of piezometer water level recovery testing are presented in Section 3.1.2.

2.4.5 Synoptic Water Level Events

Five synoptic water level events were performed in 2024 to evaluate the nature and persistence of water observed in overburden. The dates of synoptic water level events, and the wells included in each event, are summarized in the following table. Well gauging data from these events are presented in **Table 2**.

Well ID	Well Type	Synoptic Water-Level Events				
		3/18/24	4/24/24	5/14/24	5/30/24	7/3/24
MW-07	Bedrock	X	X	X	X	X
MW-08	Bedrock	X	X	X	X	X
MW-09	Bedrock			X	X	X
MW-10	Bedrock	X	X	X	X	X
MW-11	Bedrock	X	X	X	X	X
MW-12	Bedrock	X	X	X	X	X
MW-13	Bedrock	X	X	X	X	X
PZ-01	Overburden	X	X	X	X	X
PZ-02	Overburden	X	X	X	X	X
PZ-03	Overburden	X	X	X	X	X
SVE-01	Overburden			X		X
SVE-02	Overburden			X		X
SVE-03	Overburden			X		X
PVE-01	Overburden			X		X
PVE-02	Overburden			X		X

Water levels were measured with electric water level meter and recorded to the nearest 0.01-foot. On May 30, 2024, the road boxes of PZ-01, MW-07, MW-09, MW-11, and MW-12 were observed to be flooded to just below the J-plug. Water was observed up to the J-plug rim at PZ-02 on March 18 and May 30.

2.5 Soil Vapor Intrusion Investigation

Supplemental SVI sampling was conducted at DiLaura DDS in 2022, 2023, and 2024 to further evaluate impacts to indoor air and efficacy of mitigation measures implemented at the Site to date. A timeline of indoor air mitigation measures implemented at the Site to date are presented in the *Draft Time 1-Hour Cleaners Construction Completion Report* (CCR; Parsons 2024) and summarized in Section 1.2.3. Results from historical SVI investigations are presented in **Appendix B** and **Appendix C**.

SVI investigation activities were completed in accordance with the NYSDOH SVI Guidance (NYSDOH 2006) and in accordance with the NYSDEC approved work scopes. Except as noted otherwise, SVI sampling completed as part of the RI was generally consistent with the procedures outlined in this section.

Collection of indoor air samples was also proposed at the Time 1-Hour Cleaners property in 2024 and from the Building 3 property in 2023 and 2024. These samples were unable to be collected due to property access constraints.

SVI samples were collected in pre-evacuated, certified clean (individually certified in 2022, batch certified in 2023 and 2024), 6-liter Summa canisters equipped with laboratory-calibrated, constant-differential, low volume flow controllers. Initial and final vacuum was measured using a gauge on the flow regulator. Indoor air and outdoor air sample canisters were located within the breathing zone, approximately 3 to 5 feet above the floor, and were collected over a period of 24 hours.

SVI samples were submitted to Pace for VOC analysis using modified EPA Method TO-15. Pace is accredited under the National Environmental Laboratory Approval Program and Department of Defense Environmental

Laboratory Accreditation Program (ELAP) and is a NYSDOH ELAP-certified laboratory. Field data collected during air sampling for each sampling event is included in **Appendix F**.

SVI investigation activities were completed in accordance with the NYSDOH SVI Guidance (NYSDOH 2006) and in accordance with the NYSDEC approved work scopes, except where noted otherwise.

2.5.1 Soil Vapor Intrusion Survey

Prior to the collection of SVI samples, an indoor air survey form was completed for each property including a questionnaire for the resident/occupant of a property. Completed survey forms for each sampling event are provided in **Appendix F**.

2.6 Waste Management

Investigation-derived wastes (IDW), including excess soils, purge water, decontamination rinse, and personal protective equipment (PPE), when appropriate based on contact with contaminated site media, were placed in NYSDOT-approved 55-gallon drums. Forty drums containing solid and liquid waste were generated during the subsurface soil investigation activities, as summarized below:

- 21 drums containing liquid-waste
 - 14 drums containing well development water
 - Seven drums containing decontamination rinsate
- 19 drums containing solid-waste
 - 17 drums containing soil cuttings
 - Two drums containing PPE and polyethylene liners

Two composite samples were collected from the solid waste drums and four composite samples were taken from the liquid waste drums. Waste characterization samples were submitted to a laboratory for the analysis summarized in the table below:

Soil	Water
Toxicity Characteristic Leaching Procedure (TCLP) VOCs USEPA Method 8260D	VOCs USEPA Method 8260D
TCLP semi-volatile organic compounds (SVOCs) USEPA Method 8270E	SVOCs USEPA Method 8270E
TCLP Pesticides USEPA Method 8081B	Pesticides USEPA Method 8081B
TCLP Herbicides USEPA Method 8321	Metals USEPA Method 6010D/7470A
TCLP Metals USEPA Method 6010D/7470A	Total cyanide USEPA Method 9014
Polychlorinated biphenyls (PCBs) USEPA Method 8082A	PCBs USEPA Method 8082A
Corrosivity USEPA Method 9045C	pH USEPA Method SM21-23 4500 H B
Ignitibility USEPA Method 1030	Flashpoint USEPA Method 1010A
Reactive cyanide USEPA Method 9014	Reactive cyanide USEPA Method 9014
Reactive sulfide USEPA Method 9030A	Reactive sulfide USEPA Method 9030A

Analytical results for the solid waste drums did not exhibit hazardous waste characteristics and were subsequently disposed of in accordance with applicable New York State regulations. GES coordinated with Miller Environmental Service Group Inc., for transportation and disposal of the soils at American Recyclers Company on December 15, 2023.

Three of the liquid waste drums associated with PZ-01 through PZ-03 and MW-12 were characterized as hazardous based on detected PCE and TCE concentrations in exceedance of the applicable Resource Conservation and Recovery Act criteria. The remaining 18 drums did not exhibit hazardous waste characteristics, and Parsons coordinated transport of all liquid waste by Miller Environmental Group Inc., NYSDEC's standby contractor, for disposal at the Cycle Chem, Inc on February 26, 2024.

Two liquid waste drums were generated and composite sampled during the April and May 2023 groundwater sampling event. Analytical results for the liquid waste drums did not exhibit hazardous waste characteristics and were transported for disposal by Miller Environmental to Cycle Chem on July 30, 2024. Waste manifests are included in **Appendix G**.

2.7 Data Validation and Reporting

Validation of Phase II RI data was performed in accordance with USEPA Region 2 standard operating procedures for organic and inorganic data review. These validation guidelines are regional modifications to the National Functional Guidelines for organic and inorganic data review (USEPA 2020a, USEPA 2020b). Validation included the following:

- Verification of 100 percent of all QC sample results (both qualitative and quantitative)
- Verification of the identification of 100 percent of all sample results (both positive hits and non-detects)
- Recalculation of 10 percent of all investigative sample results
- Preparation of a Data Usability Summary Report (DUSR)

The quality of the data has been assessed and is documented in the DUSRs (**Appendix H**). Validated analytical data were deemed to be usable. Validated data will be submitted for loading into the NYSDEC Environmental Information Management System database.

SECTION 3 - REMEDIAL INVESTIGATION RESULTS

This section summarizes the results specific to the Phase II RI activities conducted between 2022 and 2024.

3.1 Geology and Physical Setting

The Site geologic setting, including site-specific geologic and hydrogeologic conditions, is described below.

3.1.1 Geologic Setting

The City of Niagara Falls lies within the Niagara River/Lake Erie Watershed and sits at approximately 600 feet NAVD88. The topography surrounding the City of Niagara Falls is dictated by cuesta-form landscapes, illustrated by the east-west striking Niagara and Onondaga escarpments to the north and south, respectively. The Site is situated in the Erie-Ontario Lowlands physiographic province and is generally composed of post-Wisconsin glaciolacustrine deposits underlain by Late Silurian bedrock.

3.1.1.1 Overburden Soils

Surficial features within the region were influenced by episodes of glaciation that ceased 12 thousand years before the present day. Retreat of the Wisconsin ice sheet resulted in the deposition of glacial till, glaciofluvial and glaciolacustrine sediments, and uncovered large glacial lakes (Calkin 1966). Lake Iroquois, its beaches extending southwest into Lockport, was the precursor to present day Lake Ontario. Historic Lake Tonawanda covered the land currently occupied by the city of Niagara Falls, New York. The Tonawanda basin consists of an extensive bed of silt and clay that overlies clay deposits from glacial Lake Lundy. Geologic cross sections are presented on **Figures 5A-C**.

Site soils generally consist of fill materials overlying glaciolacustrine and till glacial deposits. Soil borings installed during remedial investigation activities indicate an overburden thickness ranging from 15 feet to 18 feet. Fill materials at the Site occur outside building footprints and beneath the building foundations/basement slabs and are generally between 1.5 and 2.5 feet thick.

Fill materials are underlain by approximately 5 to 12 feet of silty clay with a few lenses of clay or silt consistent with glaciolacustrine deposits. Beneath the glaciolacustrine deposits there is approximately 1 to 4 feet of glacial till consisting of variable amounts of silt, sand, and gravel. In borings completed in the DiLaura DDS basement, fill was observed directly overlying till and at lower elevation than in borings from outside the building footprint. The fill immediately adjacent to the DiLaura DDS basement is likely related to building construction. Soil material thicknesses beneath the DiLaura DDS basement deviate from the thickness of the fill material, glaciolacustrine, and till deposits recorded from outside the building footprint (see **Figures 5A, 5B, and 5C**).

3.1.1.2 Bedrock Geology

Bedrock encountered at the Site consists of Lockport Group dolostone from the Goat Island and Gas Port Formations. Bedrock lithology in cores collected during Site drilling operations were typically gray, fine grained, vuggy and/or fossiliferous dolomitic wackestone, becoming increasingly grain-supported at depth. The dolostone that primarily makes up the Lockport Group was formed in a shallow marine environment in the Silurian Sea where calcareous sediments accumulated to form limestone that was later altered to dolostone (Parsons 2023a). An abundance of marine fossils are present in the rock, such as stromatoporoids, and hermatypic and tabulate corals. The formation is named after Lockport, New York, where it outcrops at the surface approximately 17.5 miles to the east. The Lockport dolostone is resistant to weathering, makes up the

caprock of the Niagara Escarpment to the north, and is at the top of the stratigraphic section of the famous Niagara Falls. Groundwater in the Lockport Group flows through extensive horizontal fractures that are connected via limited high angle fractures (Miller and Kappel 1987).

3.1.2 Site Hydrogeology

Groundwater is present at the Site in overburden soils and in bedrock bedding plane fractures and dissolution features. Overburden groundwater occurs in native soils and in fill materials adjacent to buildings (e.g. beneath the DiLaura DDS basement). Bedrock groundwater was encountered in the first water bearing fracture below top of rock; between 19.0 and 21.9 feet bgs. Potentiometric surface contours for overburden and bedrock wells from the May 14, 2024 synoptic event are presented on **Figure 6A** and **Figure 6B**, respectively.

3.1.2.1 Overburden Hydrogeology

The overburden groundwater gradient is generally to the southeast (**Figure 6A**). PZ-01 is located upgradient of the DiLaura DDS source area, but likely downgradient or cross-gradient from the Time 1-Hour Cleaners source area. PZ-02 is positioned cross-gradient from the DiLaura DDS source area and down gradient from the Time 1-Hour cleaners source area. PZ-03 is positioned downgradient from both source areas.

During each synoptic event, water was observed in overburden piezometers. Water was also observed in SVE and PVE wells when they were measured (**Table 2**). The consistent occurrence of water in these wells indicates that saturated overburden conditions were present at the Site. The average depth to water in the overburden across all synoptic events was 5.48 feet bgs at the northernmost well (PZ-01), 7.44 feet bgs in the area outside the SVE system enclosure (PZ-02), and 10.46 feet bgs in the southeast corner of the Site (PZ-03) (**Figure 6A**).

Hydrographs of 2024 water levels in overburden soils indicate that well levels are largely consistent between successive gauging events (**Figure 7**). The hydrographs also display daily precipitation amounts for the Niagara Falls International Airport weather station, which is located approximately four miles east-northeast of the Site. Large (≥ 1 inch) rainfall events occurred on April 11 (1.7 inches), April 12 (1.1 inches), and June 19 (1.4 inches). There was minimal response in water elevation to large rain events seen in overburden piezometers or SVE/PVE wells.

The previous RI Report (Parsons 2022) indicated that saturated conditions beneath the DiLaura DDS building were potentially “perched;” however, subsequent investigation during the Phase II RI indicates that groundwater is present across the Site, in both native overburden soils as well as the fill beneath the DiLaura DDS basement. New overburden piezometers PZ-01, PZ-02, and PZ-03 were advanced until refusal on the top of bedrock, and soils exhibited varying degrees of moisture down to the refusal depth without a distinctly dry interval overlying bedrock. Native soils across the Site are described as moist, with an interval of “wet” soils occurring at depths ranging from 7 to 16 feet bgs. Clay-dominant soils, like the glaciolacustrine and till deposits at the Site, generally have low hydraulic conductivity and low specific yield (Domenico and Schwartz 1997; Johnson 1963).

3.1.2.2 Overburden Groundwater Recovery

The overnight recovery rates of the three piezometers were calculated as described in Section 2.4.4.2. The overburden piezometers were pumped down and then allowed to recover overnight. The rate of recovery was calculated for each piezometer, as summarized in the table below. Calculated recharge rates were exceedingly slow. None of the piezometers recovered to their initial water level within the duration listed on the table below. Overburden groundwater recovery is discussed in the context of Site hydrogeologic conditions in Section 4.2.1.

Well ID	Recovery (feet)	Volume (ml)	Duration (min)	Rate (mL/min)
PZ-01	2.1	1296.67	840	1.54
PZ-02	2.0	1234.93	960	1.29
PZ-03	0.8	463.10	1140	0.41

3.1.2.3 Bedrock Hydrogeology

Bedrock groundwater flows through fractured intervals within the rock formation underlying the Site. Water loss during RI Phase II bedrock coring was noted between 19.0 and 21.9 feet bgs. Groundwater in bedrock is present between 17 and 18 feet bgs at the Site.

The bedrock hydraulic gradient in the vicinity of the Site is relatively flat and indicates flow to the northeast and southwest. Groundwater contours are included as **Figure 6B**. The southwest gradient is similar to what was observed in Phase I of the RI.

Bedrock groundwater elevations have been consistent over synoptic water level events in 2024, which are depicted in hydrograph form on **Figure 7**. Hydrographs from bedrock wells show that water levels are unaffected by rainfall events.

3.2 Soil Investigation Results

The purpose of the 2023 Phase II RI subsurface soils investigation was to further delineate surface and subsurface soil impacts through the installation of eight soil borings (SB-13, MW-10, MW-11, MW-12, MW-13, PZ-01, PZ-02, PZ-03). **Figure 4** shows the locations of Phase II RI soil borings and sample locations from prior investigations.

Representative soil samples were collected and submitted for laboratory analysis from each boring location as described in Section 2.4.

Phase II RI soil analytical data are presented in **Table 3**. Soil analytical results were compared to regulatory cleanup objectives and guidance values, based on potential exposure to passive users of the Site, as follows:

- New York Codes, Rules, and Regulations (6 NYCRR Part 375) Unrestricted Use SCOs
- 6 NYCRR Part 375 Restricted Residential Use SCOs
- NYSDEC Part 375 Protection of Groundwater SCOs

Soil boring locations with analytical sample results exceeding SCOs for site COCs are geographically depicted on **Figure 8**.

3.2.1 Metals and Mercury

Soil samples from Phase II soil borings were submitted for laboratory metals analysis via USEPA method 6010 and mercury via USEPA method 7470.

Metals concentrations that met or exceeded SCOs are presented in the table below and on **Figure 8**.

Compound	Units	SCO ¹	Value	N > SCO ²	Range > SCO	Sample Locations and Depth Interval (feet)
Cadmium	mg/kg	U-SCO	2.5	1	17	SB-13 (12.6-13.5)
		RR-SCO	4.3	1	17	SB-13 (12.6-13.5)
		PGW-SCO	7.5	1	17	SB-13 (12.6-13.5)

Compound	Units	SCO ¹	Value	N > SCO ²	Range > SCO	Sample Locations and Depth Interval (feet)
Nickel	mg/kg	U-SCO	30	1	35	MW-13 (1.3-1.8)
Silver	mg/kg	U-SCO	2	4	2.6-3.2	MW-11 (0.5-1.0) MW-13 (1.3-1.8) SB-13 (1.0-1.5) SB-13 Dup (1.0-1.5)
Zinc	mg/kg	U-SCO	109	3	110-240	MW-10 (11.5-14.0) PZ-01 (11.0-13.0) PZ-01 (13.0-15.0)
Mercury	mg/kg	U-SCO	0.18	1	0.75	MW-11 (0.5-1.0)
	mg/kg	PGW-SCO	0.73	1	0.75	MW-11 (0.5-1.0)

¹ Analytical results are compared to the following NYSDEC Part 375 SCOs: Unrestricted (U-SCO), Restricted Residential (RR-SCO), and Protection of Groundwater (PGW).

² "N>SCO" indicates the number of samples with analytical results exceeding the applicable SCO.
mg/kg – milligram(s) per kilogram

3.2.2 Pesticides, Herbicides, and PCBs

Soil samples from Phase II soil borings were submitted for laboratory analysis of pesticides, herbicides, and PCBs via USEPA Methods 8081, 8151, and 8082. Analytical results did not exceed applicable SCOs for any of the soil samples collected during the Phase II RI.

3.2.3 Semivolatiles

Soil samples from Phase II soil borings were submitted for laboratory SVOC analysis via USEPA Method 8270. Analytical results did not exceed applicable SCOs for any of the soil samples collected during the Phase II RI.

3.2.4 Volatiles

Soil samples from Phase II soil borings were submitted for laboratory VOC analysis via USEPA Method 8260.

Concentrations of VOCs were observed to meet or exceed SCOs at multiple locations and depths, as presented in the table below and **Figure 8**.

Compound	Units	SCO ¹	Value	N > SCO ²	Range > SCO	Sample Locations and Depth Interval (feet)
Cis-1,2-Dichloroethylene	mg/kg	Unrestricted	0.25	3	0.59 - 1.5	PZ-01 (8.0-10.0) PZ-01 (11.0-13.0) PZ-01 (13.0-15.0)
Tetrachloroethylene (PCE)	mg/kg	Unrestricted	1.3	3	16-44	PZ-01 (8.0-10.0) PZ-01 (11.0-13.0) PZ-01 (13.0-15.0)
		Restricted Residential	19	2	24-44	PZ-01 (8.0-10.0) PZ-01 (11.0-13.0)
		Protection of Groundwater	1.3	3	16-44	PZ-01 (8.0-10.0) PZ-01 (11.0-13.0) PZ-01 (13.0-15.0)

Compound	Units	SCO ¹	Value	N > SCO ²	Range > SCO	Sample Locations and Depth Interval (feet)
Trichloroethylene (TCE)	mg/kg	Unrestricted	0.47	3	3.1-5.2	PZ-01 (8.0-10.0) PZ-01 (11.0-13.0) PZ-01 (13.0-15.0)

¹ Analytical results are compared to NYSDEC Part 375 SCOs.

² "N>SCO" indicates the number of samples with analytical results exceeding the applicable SCO.

3.2.5 Emerging Contaminants

Soil samples from Phase II soil borings were submitted for laboratory PFAS and 1,4-dioxane analysis via USEPA Methods 1633 and 8270 SIM, respectively. Emerging contaminant concentrations that met or exceeded SCOs are presented in the table below, as well as on **Figure 8**.

Compound	Units	SCO ¹	Value	N > SCO ²	Range > SCO	Sample Locations and Depth Interval (feet)
Perfluorooctanesulfonic acid (PFOS)	µg/kg	U-SCO	0.88	1	1.1	MW-11 (0.5-1.0)
1,4-Dioxane (P-Dioxane)	mg/kg	U-SCO	0.1	1	0.62	PZ-02 (8.0-10.0)
1,4-Dioxane (P-Dioxane)	mg/kg	PGW-SCO	0.1	1	0.62	PZ-02 (8.0-10.0)

¹ Analytical results are compared to the following NYSDEC Part 375 SCOs: Unrestricted (U-SCO), Residential (R-SCO), and Protection of Groundwater (PGW).

² "N>SCO" indicates the number of samples with analytical results exceeding the applicable SCO.

µg/kg – microgram(s) per kilogram

3.3 Groundwater Investigation Results

The purpose of the Phase II RI groundwater investigation was to identify the nature and extent of groundwater contamination (if present) and to characterize local groundwater flow direction in overburden and bedrock.

During the Phase I RI drilling, groundwater was not observed in overburden borings that were advanced to refusal depth (i.e., top of bedrock). Therefore, an additional groundwater investigation was completed in 2018 as part of the supplemental RI to locate groundwater in the bedrock aquifer located beneath the Site, install permanent bedrock groundwater wells, and collect representative groundwater samples to characterize any potential impacts to groundwater from the PCE-impacts observed in soil. Additional bedrock groundwater monitoring wells were installed as part of the Phase II RI. Overburden piezometers were also installed as part of the Phase II RI and constructed in a manner consistent with a monitoring well (see Section 2.4.1). Groundwater sampling activities are described in Section 2.4.4.

Groundwater samples collected from on-Site and off-Site wells were compared to New York State Ambient Water Quality SGVs, as outlined in the Division of Water TOGS 1.1.1 (1998) and subsequent addenda.

All monitoring wells were sampled using the methods and procedures described in Section 2.4. Groundwater sampling results for on-Site and off-Site wells are presented in **Table 4**. Analytical concentrations exceeding SGVs are geographically depicted on **Figure 9**.

3.3.1 Metals

Groundwater samples from site monitoring wells were submitted for laboratory metals analysis via USEPA Method 6010. Sample concentrations that met or exceeded SGVs are summarized in the table below:

Several compounds were detected at concentrations below SGVs. Analytical results are shown on **Table 4**.

Compound	Units	SGV ¹	Value	N > SGV ²	Range > SGV	Sample Locations
Iron	mg/L	Class GA	0.3	5	1.1 – 1.9	MW-07 MW-10 MW-11 MW-11 Dup MW-13
Magnesium	mg/L	Class GA	35	8	41.0 – 95.0	MW-07 MW-08 MW-09 MW-10 MW-11 MW-11 Dup MW-12 MW-13
Sodium	mg/L	Class GA	20	8	77.0 – 250.0	MW-07 MW-08 MW-09 MW-10 MW-11 MW-11 Dup MW-12 MW-13

¹ Analytical results are compared to the NYSDEC Class GA water quality standards and classifications.

² “N>SGV” indicates the number of samples with analytical results exceeding the applicable SGVs.

mg/L – milligram(s) per liter

Discussion of metals is found in Section 4.1.2

3.3.2 Pesticides and Herbicides

Groundwater samples from site monitoring wells were submitted for laboratory pesticide and herbicide analysis via USEPA Methods 8151 and 8081, respectively. Analytical results did not exceed herbicide or pesticide SGVs for any of the groundwater samples collected during the Phase II RI. Concentrations were not detected above laboratory reporting limits in any of the monitoring well groundwater samples analyzed.

3.3.3 Semivolatile Organics

Groundwater samples from site monitoring wells were submitted for laboratory SVOC analysis via USEPA Method 8270. Analytical results did not exceed SGVs for any of the groundwater samples collected during the Phase II RI. Concentrations were not detected above laboratory reporting limits in any of the monitoring well groundwater samples analyzed.

One compound, phenol, was observed to exceed SGVs in one field QA/QC sample (an equipment blank) collected from sampling materials during the sampling event on April 25, 2024.

3.3.4 Volatile Organics

Groundwater samples from site monitoring wells, SVE and PVE wells, and piezometers were submitted for laboratory VOC analysis via USEPA Method 8260. Sample concentrations that met or exceeded SGVs are summarized in the table below.

Compound	Units	SGV ¹	Value	N > SGV ²	Range > SGV	Sample Locations
1,1-Dichloroethene	µg/L	Class GA	5	1	34.0	PZ-01
1,2-Dichloropropane	µg/L	Class GA	1	2	5.0 – 6.1	PVE-02 PZ-03
Benzene	µg/L	Class GA	1	1	1.2	PZ-03
PCE	µg/L	Class GA	5	7	5.8 – 48,000	MW-08 MW-09 MW-12 PVE-02 PZ-01 PZ-03 SVE-03
TCE	µg/L	Class GA	5	7	6.5 – 5,400	MW-08 MW-09 MW-12 PVE-02 PZ-01 PZ-03 SVE-03
Trans-1,2-Dichloroethene	µg/L	Class GA	5	3	9.8 - 54	PVE-02 PZ-01 PZ-03
Cis-1,2-Dichloroethylene	µg/L	Class GA	5	14	9.6 – 4,500	MW-07 MW-08 MW-09 MW-10 MW-11 MW-11 Dup MW-12 MW-13 PVE-02 PZ-01 PZ-03 SVE-02 SVE-02 Dup SVE-03
Vinyl Chloride	µg/L	Class GA	2	8	4.8 - 32	MW-07 MW-10 MW-11 MW-11 Dup MW-13 PVE-02 PZ-01 PZ-03

¹ Analytical results are compared to the NYSDEC Class GA water quality standards and classifications.

² “N>SGV” indicates the number of samples with analytical results exceeding the applicable SGVs.

µg/L – microgram(s) per liter

Several compounds were detected at concentrations below SGVs. Analytical results are shown on **Table 4**.

3.3.5 Emergent Contaminants

Groundwater samples from site monitoring wells were submitted for laboratory PFAS analysis via USEPA Method 1633. Sample concentrations that met or exceeded SGVs are summarized in the table below:

Compound	Units	SGV ¹	Value	N > SGV ²	Range > SGV	Sample Locations
Perfluorooctanoic acid (PFOA)	ng/L	Class GA	6.7	4	6.8 – 7.3	MW-07 MW-08 MW-09 MW-11 Dup

¹ Analytical results are compared to the NYSDEC Class GA water quality standards and classifications.

² “N>SGV” indicates the number of samples with analytical results exceeding the applicable SGVs.

ng/L – nanogram(s) per liter

Several compounds were detected at concentrations below SGVs. Analytical results are shown on **Table 4**.

3.3.6 Biodegradation Indicators

Biodegradation indicators were collected during groundwater sampling on April 25 and May 15 2024. Results were obtained using a combination of Hach® field test kits and laboratory analytical samples (April 2024) and laboratory results (May 2024).

Biodegradation data is often used to evaluate how and where biodegradation may be occurring. Typically, in an uncontaminated aquifer, native organic carbon is used as the electron donor and dissolved oxygen is the electron acceptor. When anthropogenic carbon is present (in this case, chlorinated volatile organic compounds [CVOCs]), these compounds can also be electron donors. Once the DO is consumed, anaerobic microorganisms will use alternate electron acceptors in the following order of preference, if available: nitrate, ferric iron oxyhydroxide, sulfate, and finally carbon dioxide (USEPA, 1998). A general summary of the biodegradation parameters is presented below. Complete biodegradation indicator results are presented in **Table 5**.

ORP in overburden wells ranged from -47 to 309 mV and in bedrock wells ranged from -105 to 96 mV, indicating mixed aerobic and anaerobic conditions across the Site.

Dissolved oxygen ranged from 0.00 to 4.25 mg/L in overburden wells and from 0.00 to 0.86 mg/L in bedrock wells. Anaerobic bacteria generally cannot function at dissolved oxygen concentrations greater than about 0.5 mg/L (USEPA 1998).

The range of pH in overburden wells is 6.56 to 7.78, and the range of pH in bedrock wells is 6.94 to 7.25. These readings are within the ideal range for biological activity (Parsons 2004).

The most common naturally occurring electron acceptors in groundwater include dissolved oxygen, nitrate, manganese (IV), iron (III), sulfate, and carbon dioxide (USEPA 1998) Combined nitrate-nitrite was non-detect in the seven bedrock monitoring wells and in SVE-01, SVE-02, and SVE-03. Total and dissolved manganese concentrations were less than 0.2 mg/L in all natural attenuation samples.

Sulfate concentrations in SVE wells ranged from 160 to 310 mg/L and in bedrock wells ranged from 100 to 580 mg/L. These concentrations are above the ideal range for reductive dechlorination (less than 20 mg/L) but generally under the threshold of 500 mg/L in which enhanced bioremediation is still suitable (Parsons 2004). Sulfate concentrations were only above 500 mg/L in MW-10 (580 mg/L). High sulfate levels in bedrock wells is common in the Lockport Group due to the presence of gypsum (CaSO₄·2H₂O) in vugs and dissolution features.

Sulfide is a byproduct of sulfate reduction and can limit dechlorination. Concentrations of sulfide were non-detect in the 10 wells sampled for natural attenuation parameters, indicating sulfate is not currently being reduced in significant quantities.

Total organic carbon concentrations ranged from 2.0 to 2.3 mg/L in SVE wells and from 2.4 to 3.9 mg/L in Site bedrock wells. Concentrations of total organic carbon at the Site are below the idealized criteria of >20 mg/L, indicating an inadequate supply of electron donors for reductive dechlorination to take place at scale.

3.4 Soil Vapor Intrusion Investigation Results

Phase II RI SVI samples were analyzed for VOCs using the TO-15 Method. Validated analytical results from Phase II RI SVI indoor air samples are shown in **Tables 6A** through **6C**. Indoor air and outdoor air (ambient) samples were collected consistent with the procedures described in Section 2.5.

Indoor air sample concentrations are generally evaluated using the NYSDOH guidance (NYSDOH 2006), and subsequent updates to the decision matrices (NYSDOH 2017, NYSDOH 2024). Use of the decision matrix necessitates comparison of indoor air concentrations with corresponding sub-slab sample analytical results to establish the appropriate path forward, including: identify source and resample, monitor, and/or mitigate.

Access issues associated with the Time 1-Hour Cleaners and off-Site Building 3 properties prevented air samples from being collected. Consistent with previous sampling events, the presence of sub-slab water at the DiLaura DDS property prevented collection of sub-slab samples to serve for comparison with indoor air samples. However, as discussed in Section 1.2, mitigation measures have already been implemented at the three properties, so follow-up sampling primarily serves to evaluate current conditions at the Site and the effectiveness of the mitigation measures.

3.4.1 Soil Vapor Intrusion Impacts Time 1-Hour Cleaners

SVI samples were collected at the Time 1-Hour Cleaners building in January 2023 from the following locations:

- One sample from the front of the former storefront
- One sample from the storage area at the back of the building
- One outdoor (ambient) air sample

Analytical results are shown in **Table 6B** and depicted geographically on **Figure 10**. Sample concentrations for site COCs are summarized below:

Building Level	PCE (µg/m ³)	TCE (µg/m ³)	DCE ¹ (µg/m ³)	VC (µg/m ³)
Back Wall	5.0	0.15	ND	ND
Storefront	0.95	ND	ND	ND

¹ DCE concentrations shown as the sum of cis-1,2-DCE and trans-1,2-DCE. Where trans-1,2-DCE concentrations were nondetect, only cis-1,2-DCE concentrations are shown.

µg/m³ – microgram(s) per cubic meter

ND - nondetect

Concentrations of site COCs were not detected in the outdoor air sample collected during this event. Concentrations of PCE and TCE in 2023 were significantly lower than they were in 2012. Trends in indoor air analytical results are discussed in Section 4.3.

3.4.2 Soil Vapor Intrusion Impacts DiLaura DDS

Indoor air samples were collected from the DiLaura DDS building in April 2022, January 2023, and April 2024. Sample locations were consistent across each of the sampling events, as shown on **Figure 10**.

3.4.2.1 April 2022 Sampling Event

SVI samples were collected from the following locations in April 2022:

- One sample and one QA/QC duplicate sample from the basement
- One sample from the ground floor dentist office
- Two samples from the second floor apartment, within the living room and bedroom
- One outdoor (ambient) air sample

Analytical results are shown on **Table 6A** and depicted geographically on **Figure 10**. Sample concentrations for site COCs are summarized below:

Building Level	PCE (µg/m ³)	TCE (µg/m ³)	DCE ¹ (µg/m ³)	Vinyl Chloride (µg/m ³)
Basement	0.70 – 0.71	0.15 – 0.16	0.52 – 0.55	0.29
1 st Floor	0.27	0.13	ND	ND
2 nd Floor	ND	ND	ND	0.11 – 0.14

¹ DCE concentrations shown as the sum of cis-1,2-DCE and trans-1,2-DCE. Where trans-1,2-DCE concentrations were nondetect, only cis-1,2-DCE concentrations are shown.

ND - nondetect

Two site COCs were detected in the outdoor ambient air sample collected during this event. PCE was detected at 0.37 µg/m³, and TCE was detected at 0.13 µg/m³ (estimated).

3.4.2.2 January 2023 Sampling Event

SVI samples were collected from the following locations in January 2023:

- One sample and one QA/QC duplicate sample from the basement
- One sample from the ground floor dentist office
- Two samples from the second floor apartment, within the living room and bedroom
- One outdoor (ambient) air sample

Analytical results are shown on **Table 6B** and depicted geographically on **Figure 10**. Sample concentrations for site COCs are summarized below:

Building Level	PCE (µg/m ³)	TCE (µg/m ³)	DCE ¹ (µg/m ³)	Vinyl Chloride (µg/m ³)
Basement	0.79 – 0.81	0.19 – 0.21	0.29	ND – 0.9
1 st Floor	0.69	0.15	0.16	ND
2 nd Floor	0.35 – 0.80	ND – 0.13	ND – 0.11	ND

¹ DCE concentrations shown as the sum of cis-1,2-DCE and trans-1,2-DCE. Where trans-1,2-DCE concentrations were nondetect, only cis-1,2-DCE concentrations are shown.

ND - nondetect

Concentration of site COCs were not detected in the outdoor air sample collected during this event.

3.4.2.3 April 2024 Sampling Event

SVI samples were collected from the following locations in the DiLaura DDS building in April 2024:

- Two samples and one QA/QC duplicate sample from the basement
- One sample from the ground floor dentist office
- Two samples from the second floor apartment, within the living room and bedroom
- One outdoor (ambient) air sample

Analytical results are shown on **Table 6C**, and depicted geographically on **Figure 10**. Sample concentrations for site COCs are summarized below:

Building Level	PCE (µg/m ³)	TCE (µg/m ³)	DCE ¹ (µg/m ³)	Vinyl Chloride (µg/m ³)
Basement	5.6 – 6.0	0.56 – 0.60	0.54 – 0.64	ND – 0.11
1 st Floor	1.0	0.19	0.29	ND
2 nd Floor	1.9 – 2.2	ND	ND	ND

¹ DCE concentrations shown as the sum of cis-1,2-DCE and trans-1,2-DCE. Where trans-1,2-DCE concentrations were nondetect, only cis-1,2-DCE concentrations are shown.

ND - nondetect

Concentrations of site COCs were not detected in the outdoor (ambient) air sample collected during this event.

SECTION 4 - NATURE AND EXTENT OF CONTAMINATION

The following sections describe the current understanding of the nature and extent of contamination at the Site and serve to update the CSM based on results from the Phase II RI field activities.

4.1 Subsurface Soil

Validated laboratory analytical results for subsurface soils are shown in **Tables 3A** and **3B**. The following sections describe the nature and extent of soil contamination Site.

4.1.1 Organics

Organic contamination of on-Site soils is characterized by unrestricted, restricted residential, and protection of groundwater SCO exceedances for PCE and unrestricted and protection of groundwater exceedances of its degradation products TCE, cis-1,2-DCE, and vinyl chloride. (**Figure 11A and 11B**). Data from RI activities identified two source areas: 1) the northern parking area north of and adjacent to, the Time 1-Hour Cleaners building and 2) below the DiLaura DDS basement.

The current understanding of the source area behind Time 1-Hour Cleaners is defined by PCE concentrations exceeding SCOs in soil samples collected from the following soil borings:

- MW-02
- SB-1
- SB-2
- SB-3
- SB-4
- PZ-01

Soil samples from MW-02, SB-01, SB-2, SB-03, and SB-04 were collected prior to the Phase II RI (Appendix C of and Phase I RI Report, Parsons 2022). PZ-01 soil samples were collected as part of the Phase II RI. The depths of PCE exceedances in the soil borings referenced above were observed to vary, ranging from 5 to 17 feet bgs, or roughly 574 to 562 feet of elevation (NAVD88). TCE and cis-1,2-DCE were detected above their respective unrestricted and protection of groundwater SCOs at depths ranging from 5 to 17 feet bgs. TCE and cis-1,2-DCE soil results from the areas north of Time 1-Hour Cleaners were less than restricted residential SCOs.

PCE contamination in the area behind the Time 1-Hour Cleaners building is consistent with spillage of spent chlorinated solvents during delivery, loading and/or dumping of these materials “out of the back door.” PCE is detected in higher relative concentrations to its degradation products, such as TCE, cis-1,2-DCE, and vinyl chloride indicating some, but incomplete degradation of PCE.

The source area beneath the basement slab in the DiLaura DDS building is characterized by PCE concentrations exceeding SCOs in soil samples collected from the following soil borings:

- SB-10
- SB-11
- PVE-02
- SVE-03

Soil samples from SB-10, SB-11, PVE-02, and SVE-03 were collected prior to the Phase II RI (Section 1.2) (Parsons 2022). PCE exceedances in the DiLaura DDS source area borings occurred at depths ranging from 9 to 10 feet bgs in SB-10 and 0 to 4 feet below the basement slab in SB-11, PVE-02, and SVE-03, or roughly 571 to 567 feet of elevation (NAVD88). This indicates that the elevation of PCE exceedances observed in SB-10 is consistent with those observed in DiLaura DDS basement borings.

PCE contamination of site soils in the vicinity of the DiLaura DDS basement likely occurred while Time 1-Hour Cleaners dry-cleaning operations occurred at this location. Soil sample analytical results, field PID readings, and discussions with the landowner indicate that spent chlorinated solvents were introduced to the subsurface through spillage and/or dumping into floor drains during the time dry cleaning operations were ongoing in the DiLaura DDS basement (**Figure 3**). The fill materials surrounding the building foundation and floor drains, as well as the former sewer utility, may be considered a source of historical PCE into site soils and overburden groundwater (**Figure 5C**). Concentrations of degradation products are minimal in the source area beneath DiLaura DDS compared to concentrations of PCE.

RI Phase II soil borings at PZ-01 and PZ-02 were intended to determine whether the two source areas are contiguous. PZ-01 is situated east of the parking area directly north of Time 1-Hour Cleaners, and PZ-02 is in the grass area west of DiLaura DDS source area and south of the source area behind Time 1-Hour Cleaners (**Figure 4**). The presence of overhead utilities prevented the installation of these borings directly between the two areas as intended, however the as-built borings remain in the vicinity of the two source areas. As noted above, based on the soil sample analytical results for PZ-01, it is included in the source area north of Time 1-Hour Cleaners. Soil samples collected from PZ-02 were less than unrestricted, residential, or protection of groundwater SCOs, which indicates that the two source areas are likely distinct.

Soil samples with CVOC detections from outside the source areas are characterized by lower overall concentrations of CVOCs and higher ratios of cis-1,2-DCE and vinyl chloride compared to PCE (**Figure 11A and Figure 11B**). The primary CVOC compound in MW-04, SVE-01, and SVE-02 is cis-1,2-DCE and the primary compound in PVE-01 is vinyl chloride mg/kg (**Figure 11A**). Degradation products such as TCE, DCE (cis- and trans-), and vinyl chloride are present in site soils likely due to reductive dechlorination of PCE via anaerobic degradation pathways at locations outside both source areas. Soil sample results from off-site Phase II RI locations PZ-03, MW-12, SB-13, MW-13, were non-detect for CVOCs (**Figure 8**).

4.1.2 Metals

Inorganics contamination of site soils is characterized by SCO exceedances of chromium, zinc, nickel, cadmium, mercury, and silver. It is likely that many of these exceedances are associated with provenance or past use of fill materials rather than a direct result of historical dry cleaning operations at the Site. The area surrounding the Site contained multiple automotive sales and repairs shops until around 1979 as shown on the Sanborn Maps included in **Appendix I**. Historically, automotive repair has been known to utilize mercury and chromium for various autobody processes.

4.1.3 Emerging Contaminants

Soil concentrations of 1,4-dioxane (0.62 mg/kg) exceeded unrestricted and protection of groundwater SCOs in samples collected from 8 to 10 feet bgs in PZ-02.

Soil concentrations of PFOS (1.1 µg/kg) exceeded the unrestricted SCO in samples collected from 0.5 to 1.0 foot bgs in MW-11. Refer to Section 3.2.5 for details about exceedances and sample intervals.

It is likely that exceedances of 1,4-dioxane and perfluorooctanesulfonic acid (PFOS) are anthropogenic in nature and primarily associated with provenance or past use of fill materials at the Site rather than a direct result of historical dry cleaning operations.

4.2 Groundwater

Groundwater has been observed consistently in overburden soils and bedrock during synoptic water level events conducted during Phase II RI activities. The sections below describe the current understanding of site COCs in overburden and bedrock groundwater at the Site.

4.2.1 Overburden Groundwater

The RI Report (Parsons 2022) noted the presence of saturated conditions beneath the DiLaura DDS basement and posited that a combination of surficial runoff and roof drain downspout discharge contributed to the water levels observed in the SVE and PVE wells. Multiple attempts were made to mitigate water sources to the sub-slab environment, as documented in the CCR (Parsons 2024), but significant water levels are still observed in the SVE and PVE wells.

Installation of PZ-01, PZ-02, and PZ-03 during Phase II RI activities established the presence of consistently saturated conditions in overburden soils outside of DiLaura DDS building footprint. The consistent observation of groundwater in overburden piezometers indicates potential contribution from groundwater present in native overburden soils to the sub-slab environment. Assessment of Phase II RI data, specifically groundwater contours and analytical results from PZ-03, suggests that overburden groundwater is migrating offsite.

The following sections describe the current understanding of the nature and extent of saturated conditions in overburden soils and the distribution of site COCs.

4.2.1.1 Saturated Conditions in Overburden and Fill Soils

PZ-01, PZ-02, and PZ-03 were the first permanent overburden wells installed at the Site. Consistent water levels across successive gauging events in 2024 indicate the presence of groundwater in native overburden soils (**Figure 7**). The overburden groundwater gradient at the Site is generally to the southeast based on groundwater elevations measured in PZ-01, PZ-02 and PZ-03 (**Figure 6A**).

Groundwater observations in overburden soils were insufficient to warrant the of overburden monitoring wells during previous investigations. Soil moisture was observed between 8 and 12 feet bgs in the Phase II Environmental Site Assessment (Phase II ESA; RJS Environmental 2011), but boreholes and temporary monitoring wells did not accumulate sufficient water for sample collection. Saturated, or nearly saturated, soil conditions were observed at depths ranging from 7 to 16 feet bgs in the following RI soil borings:

- MW-04 through MW-07 and MW-09 through MW-13
- PZ-01, PZ-02, PZ-03
- SB-1 through SB-4, SB-06, SB-07, SB-09, SB-10, and SB-13

Overburden piezometers were installed at locations, and screened across depths, where appreciable soil moisture was observed. Nevertheless, these piezometers went dry during well development (**Appendix D**) and groundwater sampling (see Section 3.1.2). Therefore, while water is present in the overburden piezometers, it is apparent that the native glaciolacustrine deposits and till exhibit low yield and likely have low hydraulic conductivity (Domenico and Schwartz 1990). Analysis of piezometer water level recovery following purging during sampling indicated low recovery rates ranging from 0.41 to 1.54 mL/min, which is broadly consistent with low hydraulic conductivity and low specific yield soils.

SVE and PVE wells installed in the DiLaura DDS basement encountered varying thicknesses of fill material beneath the basement slab (**Figure 5C**). Water levels in the SVE and PVE wells were coincident with or above the bottom of the basement slab, as shown in **Table 2**. Sub-slab fill materials are predominantly composed of sands and fine gravels which can reasonably be presumed to have higher hydraulic conductivity than the native glaciolacustrine deposits and till (Domenico and Schwartz 1990). Fill around and beneath the DiLaura DDS building was likely placed during excavation and backfilling associated with building construction and would explain the disparate fill composition and depth when compared to fill materials encountered elsewhere at the Site (**Figures 5A through 5C**).

Despite various drainage improvements (Parsons 2024), it is possible that the higher hydraulic conductivity fill below the slab acts as both a pathway for surface runoff infiltration and as an area in which water accumulates. However, dewatering and recovery rates during a hydrogeologic study indicated that PVE-01 and SVE-01 have longer recovery periods and did not fully recover compared to SVE-03, which fully recovered at a faster rate (Parsons 2023a). Different recovery rates may indicate variability of hydraulic properties in the fill beneath the basement.

Saturated sub-slab conditions beneath the DiLaura DDS basement may act as a preferential pathway for contaminants migrating laterally downgradient from the source area. The overburden groundwater gradient increases in the vicinity of PZ-03, potentially due to the proximity of the well to subsurface utilities, which may provide additional pathways for transport of site COCs.

4.2.1.2 Distribution of Contaminants Observed in Overburden Groundwater

Analytical results from overburden groundwater samples collected at the Site show concentrations of PCE and its degradation products (TCE, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride), collectively referred to as CVOCs, above their respective Class GA SGVs. The highest CVOC concentrations in RI Phase II groundwater samples were observed in the two source areas:

- In PZ-01, within or just downgradient of parking area north of Time 1-Hour Cleaners.
- In SVE-03 and PVE-02, beneath the DiLaura DDS building

PZ-01 is the only overburden well installed within the source area north of Time 1-Hour Cleaners. Groundwater sample results from PZ-01 exceeded Class GA SGVs for PCE, TCE, cis- and trans-1,2-DCE, and vinyl chloride (**Figure 10**). PZ-02 is approximately 40 feet downgradient from the source area north of Time 1-Hour Cleaners and CVOC groundwater concentrations at PZ-02 were less than Class GA SGVs, respectively (**Figure 10**). Low concentrations at PZ-02 suggest that the source area north of Time 1-Hour Cleaners does not extend to PZ-02 likely due to overburden soils with low hydraulic conductivity. Low hydraulic conductivity has been documented in similar overburden soils in Niagara Falls (Woodward-Clyde 1993).

Groundwater samples collected from SVE-03 and PVE-02, within the source area beneath the DiLaura DDS property, during the Phase II RI exceeded Class GA SGVs for PCE, TCE, and cis-1,2-DCE (**Figure 10**). PVE-02 also exceeded Class GA SGVs for trans-1,2-DCE, vinyl chloride, and 1,2-dichloropropane. These groundwater results are in agreement with the samples taken from the DiLaura DDS basement sump in 2015 and a temporary well at SB-11 in the DiLaura DDS basement in 2018 (see **Appendix C** and Phase I RI Report, Parsons 2022). The samples from the sump and SB-11 (temporary well) exceeded Class GA SGVs for PCE, TCE, and cis-1,2-DCE (**Appendix C**). The sample from SB-11 (temporary well) also exceeded Class GA SGVs for trans-1,2-DCE. Both the sump and SB-11 are located in the same area of the DiLaura DDS basement as SVE-03 and PVE-02 (**Figure 4**).

Sample locations outside the DiLaura DDS source area, but also within the basement (PVE-01, SVE-01, SVE-02) are characterized by comparatively lower overall groundwater concentrations of CVOCs. CVOC concentrations in groundwater samples collected from PVE-01 and SVE-01 were less than Class GA SGVs. SVE-01 and PVE-01 had lower calculated recovery rates (Parsons 2023a) and may not be as hydraulically connected to the source area.

PZ-03 is located off-Site and downgradient of the source area beneath the DiLaura DDS basement (**Figure 6A**). Concentrations of PCE, TCE, and cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride exceeding Class GA SGVs were observed in the groundwater sample collected from PZ-03 (**Figure 10**). The absence of corresponding soil exceedances from PZ-03 (**Figure 8**) and the southeast groundwater gradient in overburden suggests downgradient movement of contaminants from the source area beneath the DiLaura DDS basement.

For the groundwater samples from wells with the highest total CVOC concentrations (PZ-01 and SVE-03), PCE is detected at a higher concentration than either TCE or cis-1,2-DCE (**Figure 12**). PZ-01 and SVE-03 are in the two source areas defined above. Water samples from SB-11 and the sump within the source area beneath DiLaura DDS also have higher proportions of PCE compared to degradation products (**Appendix C** and Parsons 2022). PVE-02 is within the source area identified beneath the DiLaura DDS basement but has higher relative concentrations of TCE and cis-1,2-DCE compared to PCE. Sample locations outside the DiLaura DDS source area (PZ-02, PVE-01, SVE-01, SVE-02, PZ-03) have greater ratios of degradation products to PCE. For groundwater analytical samples where CVOCs were detected, proportionally higher concentrations of degradation products to PCE from wells outside the source areas indicate that reductive dechlorination of PCE is likely occurring via anaerobic degradation pathways. Section 4.2.3 discusses natural attenuation and the biogeochemical conditions at the Site. Further groundwater sampling will be required to evaluate possible contaminant mass reduction and the ratio of parent to degradation products trends over time.

4.2.2 Bedrock Groundwater

Bedrock groundwater analytical results from the Site show impacts from PCE and its degradation products (TCE, cis-1,2-DCE, and vinyl chloride) at concentrations above Class GA SGVs in the three on-Site (MW-07, MW-10, MW-11) and four off-Site (MW-08, MW-09, MW-12, MW-13) bedrock monitoring wells sampled during the Phase II RI. The groundwater gradient in bedrock is generally to the southwest; however, north of MW-07 there appear to be flow components to the north and northwest. A table with the position of bedrock wells relative to the source areas is provided below.

Position Relative to Source Areas	Locations
Upgradient of both source areas	MW-07; MW-13
Cross-gradient from the source area below DiLaura DDS	MW-08
Downgradient of the source area behind Time 1-Hour Cleaners; cross-gradient from the source area below DiLaura DDS	MW-10; MW-11
Downgradient of both source areas	MW-09; MW-12

Bedrock groundwater samples have higher proportions of degradation products than samples collected from overburden wells, specifically cis-1,2-DCE (**Figure 10**). MW-10 and MW-11 have similar proportions of cis-1,2-DCE and vinyl chloride: roughly 66% and 33%, respectively. MW-08, MW-09, and MW-12 also have roughly 66% cis-1,2-DCE, but have larger proportions of PCE and TCE, and less than 10% vinyl chloride.

The presence of site COCs in bedrock indicates that there may be communication between site contaminants in the overburden and the bedrock aquifer.

Minimal to no drawdown was observed during well development, indicating the bedrock wells are installed in a highly transmissive horizontal fracture zone. These observations are consistent with the interpretation of groundwater flow in the Lockport Dolomite as a series of leaky confined horizontal water bearing fracture zones separated by massive strata connected by sparse vertical fractures (Woodward-Clyde 1993). Indications of high fracture transmissivity, groundwater contour maps, and higher groundwater concentrations at MW-08 and MW-

12 demonstrate that the bedrock groundwater plume is traveling off-site to the south. Migration to the north is less well-defined. Additional downhole testing would be needed to quantify the hydraulic properties of the fracture zone and calculate the average linear velocity for groundwater in bedrock.

The bedrock wells are not installed directly in source areas and have larger relative proportions of degradation products indicating that reductive dechlorination of PCE via anaerobic degradation pathways is likely occurring. Relatively high concentrations of cis-1,2-DCE coupled with low concentrations of vinyl chloride in MW-08, MW-09, and MW-12 may indicate the stalling of biodegradation. Continued sampling of groundwater will be needed to evaluate the trends in contaminant mass reduction and ratio of parent to degradation products over time. A more detailed assessment of the potential for biodegradation will be included in the Feasibility Study.

PFOA was detected at concentrations above Class GA SGVs in groundwater samples collected from MW-09 (7.3 ng/L), MW-07 (7.2 ng/L), as well as the MW-11 field duplicate (6.8 ng/L). These impacts are not currently thought to be related to historical dry cleaning operations at the Site.

4.2.3 Natural Attenuation and Biogeochemical Conditions

Understanding the biogeochemical conditions at a site is important to the evaluating the possibility of natural attenuation (enhanced or otherwise). Three lines of evidence can be used to evaluate natural attenuation mechanisms for CVOs (USEPA 1998):

1. Historical concentrations indicative of decreasing mass including evidence of dechlorination processes, such as degradation of primary compounds (PCE and/or TCE) to secondary compounds (DCE, including 1,2-cis-DCE, 1,2-trans DCE and 1,1-DCE; vinyl chloride; ethene/ethane).
2. Hydrogeologic and geochemical data that indicate the groundwater conditions are conducive to the sorption, dilution, degradation, or destruction of contaminants
3. Biological results that directly identify the occurrence of a particular natural attenuation process and its ability to degrade contaminants at the Site – typically biological sampling or microcosm studies.

The first two lines of evidence were evaluated during the RI, as described in the following sections. The need for microbial sampling will be considered during the remedial alternative evaluation and screening process.

4.2.3.1 Degradation of PCE

The presence of cis-1,2-DCE and vinyl chloride indicates that biogeochemical conditions are conducive to dechlorination processes that degrade PCE to TCE, TCE to DCE, and DCE to vinyl chloride. As discussed in Section 4.2.1.2, overburden groundwater sampling locations outside the source areas are characterized by comparatively lower overall groundwater concentrations of CVOs and greater ratios of degradation products to PCE (**Figure 12**). This trend is even stronger in the bedrock groundwater sample results in which concentrations of cis-1,2-DCE and vinyl chloride are both detected in higher concentrations than both TCE and PCE (**Figure 13**). Higher concentrations of degradation products than parent products are expected around the plume fringe (both laterally and at depth). The presence of degradation products is the first line of evidence for the possibility of natural attenuation.

Soil results in the two source areas have higher concentrations of CVOs and greater proportions of PCE. Groundwater results in the source area under the DiLaura DDS basement epitomized by SVE-03 are dominated by PCE, with minimal degradation products, even decades after the mechanism for the source of the contamination was removed. The plume persists in both the source areas, indicating that natural attenuation alone is not sufficient to reach remedial goals.

4.2.3.2 Site Geochemical Conditions

Nitrate, sulfate, carbon dioxide, oxidized metals, or organic compounds (i.e. chlorinated hydrocarbons) may replace oxygen as the electron acceptor in anaerobic environments (USEPA 1998). This process is called reductive chlorination when it applies to chlorinated hydrocarbons. Groundwater samples and field parameter readings were collected during the Phase II RI to evaluate whether site conditions are conducive to natural attenuation from MW-07 through MW-12 and SVE-01, SVE-02, and SVE-03. Results from natural attenuation sampling are presented in **Table 5**.

The primary biogeochemical indicators for understanding natural attenuation at the Site include:

- Oxidation state (dissolved oxygen and ORP)
- pH
- Electron acceptors/donors

ORP results indicate that there is a lack of deeply anaerobic conditions at the Site (where ORP would be less than approximately 200 mV to 250 mV) and the mix of anaerobic and aerobic conditions. Based on these results, it appears that the groundwater is conducive to some anaerobic dechlorination, but the capacity is limited. Anaerobic bacteria generally cannot function at dissolved oxygen concentrations greater than about 0.5 mg/L (USEPA 1998). Most wells at the Site have sufficiently low dissolved oxygen to support anaerobic biodegradation. The pH readings are within the ideal range for biological activity.

Overall, it appears that natural attenuation processes including anaerobic dechlorination, are occurring at the Site, but are generally insufficient to completely degrade the contaminants in the overburden. Groundwater CVOC results in bedrock wells indicate the possibility of complete degradation. Modifications to the subsurface to enhance the geochemical conditions (e.g. increasing total organic carbon) will be considered during the feasibility study and/or remedial design phase.

4.3 Soil Vapor and Indoor Air

SVI mitigation activities have occurred at the Site. Prior results and evaluations of indoor air conditions through 2021 are summarized in the RI Report (Parsons 2022). The following sections detail soil vapor intrusion evaluations following Phase II RI activities, including indoor air data collected from 2022 through 2024. Analytical results are shown in **Tables 6A** through **6C** and depicted geographically on **Figure 10**.

Cumulative analytical results were used to generate charts of indoor air concentrations over time at the DiLaura DDS and Time 1-Hour Cleaners properties, which are included in **Appendix B**.

4.3.1 Soil Vapor Intrusion - Time 1-Hour Cleaners

SVI mitigation efforts had been ongoing at the Time 1-Hour Cleaners property prior to RI activities. Historical SVI mitigation efforts, and indoor samples collected, are summarized in the RI Report (Parsons 2022). Indoor air concentrations from Phase II RI soil vapor intrusion samples are summarized in Section 3.4.1 and presented in **Table 6B**.

Indoor air impacts have historically been observed on the first floor of the Time 1-Hour Cleaners building, despite ongoing operation of an SSDS system. As discussed in the RI, indoor air impacts were generally associated with PCE and TCE concentrations. In 2012, indoor air concentrations of PCE and TCE were 1,200 µg/m³ and 710 µg/m³, respectively. Sub-slab soil vapor samples were observed to range from 400 to 83,400 µg/m³ for PCE and

from 130 to 21,400 $\mu\text{g}/\text{m}^3$ for TCE. The highest indoor air concentrations of PCE and TCE were observed prior to, or roughly contemporaneous with, SSDS installation.

Indoor air samples were collected from the storefront and storage room areas of the Time 1-Hour Cleaners property in 2023 during Phase II RI activities. Indoor air concentrations of samples collected during the Phase II RI were observed to be:

- 4.9 and 5.0 $\mu\text{g}/\text{m}^3$ of PCE in the storage area
- 0.15 $\mu\text{g}/\text{m}^3$ of TCE in the storage area
- 0.95 $\mu\text{g}/\text{m}^3$ of PCE in the storefront
- TCE not detected in the storefront

Indoor air concentrations collected in 2023 indicate that concentrations of PCE and TCE continue to decrease, while concentration of DCE and VC have increased. This indicates that attenuation of PCE is likely continuing to occur at this property.

Sub-slab samples have historically been collected from the Time 1-Hour Cleaners property, but were not collected as part of this Phase II RI. As discussed in Section 1.2, an SSDS has been installed in the Time 1-Hour Cleaners building, fulfilling the “mitigate” action. It is also anticipated that ongoing SVI monitoring and mitigation will continue at this property.

4.3.2 Soil Vapor Intrusion – DiLaura DDS

As detailed in Section 1.2 and 3.5.2, several phases of soil vapor sampling have been completed at the DiLaura DDS property:

- March 2012
- March 2014
- April and September 2015
- March, August, and September 2016
- December 2018
- December 2020
- April 2021
- April 2022
- January 2023
- April 2024

Analytical data through 2021 have been summarized in the RI Report (Parsons 2022). SVI data collected from 2022 through 2024 are presented in **Tables 6A-C** and are depicted geographically on **Figure 10**.

Mitigation measures have been implemented at the DiLaura DDS property to reduce CVOC impacts to the indoor air within the building, as documented in the Time 1-Hour Cleaners CCR (Parsons 2024) and outlined below:

- In 2015, the sump in the basement of the building was sealed, three portable IQ Air GCX APUs were installed in the building at the request NYSDOH, and the pit located in the room next to the garage was sealed.
- In March 2016, four additional portable APUs (Sylvane AirPura C600DLX) were installed in the basement, first floor, and second floor of the building.
- In June 2017, a sump depressurization system was installed in the building basement. It should be noted that the sump discharges to the sewer system.
- From July through August 2019, an SVE system was installed that includes three extraction wells and two passive injection points. Extraction wells were installed beneath the basement floor on the western side of the building, adjacent to the sanitary sewer utility. Passive injection points were installed beneath the

basement floor along the eastern wall of the building. A prefabricated SVE system was installed outside of the building consisting of a regenerative blower, a moisture separator with level switch and sight glass, and a granular activated carbon off-gas treatment system. The system also includes an instrument control package including system vacuum, pressure, and temperature gauges as well as high level (moisture separator), high temperature (blower), and low-vacuum (blower) shutoff switches. A remote telemetry system was installed to communicate system status and transmit any alarms that may occur, including system low vacuum, moisture separator high level, high temperature, blower motor fault, and system shutdown to the system operator. The system is housed in an insulated and sound-attenuated enclosure.

- In January 2021, the legacy below-slab sewer utility in the DiLaura DDS basement was abandoned and replaced with a new PVC sewer line, which runs along the basement wall and is tied into the sewer main lateral. Additionally, the SVE system was brought online, and start-up optimization was performed.
- In August 2021, a second-story roof-mounted downspout was observed to be discharging rainwater into the sub-slab environment. The downspout aperture was sealed and rerouted to the existing gutter system. Additionally, the DiLaura DDS basement floor slab and utility penetrations were sealed to mitigate intrusion of soil vapors into the building.

Indoor air concentrations have steadily declined over the course of the successive rounds of investigation and mitigation described above. Results from Phase II RI samples indicate that while indoor air impacts remain a concern at the DiLaura DDS building, they are partially confined to the basement which is used by the tenant to wash laundry and store belongings. Concentrations of site COCs on the first floor, which is occupied 8 hours a day by dentist office employees, and the second floor, which serves as an occupied apartment, have been significantly decreased. PCE remains present in indoor air samples from all three stories, ranging in concentration from 0.7 to 6.0 $\mu\text{g}/\text{m}^3$ in the basement, 0.27 to 1.0 $\mu\text{g}/\text{m}^3$ on the first floor, and non-detect to 2.2 $\mu\text{g}/\text{m}^3$ on the second floor.

APUs were shut off prior to the April 2024 sampling event, with concurrence from NYSDOH, to evaluate the effectiveness of the other mitigation measures. Indoor air concentrations of site COCs increased between the January 2023 and April 2024 sampling events, but remain low when compared to historical analytical results (**Appendix B**). Longer term monitoring is required to assess whether the increased indoor air concentrations observed between these two sampling events are related to system effectiveness or seasonal variability in indoor air concentrations. Seasonal variation is known to exist in indoor air samples based on heating system operation status, whether windows are open or closed, and outdoor temperature (e.g. hotter summer temperatures lead to greater volatilization).

The NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 2006) and its associated indoor air decision matrices tables, updated in May 2017 and February 2024, require comparison of indoor air analytical results with sub-slab soil vapor concentrations to identify any necessary further actions required. However, the presence of water directly beneath the basement slab at DiLaura DDS precludes collection of sub-slab soil vapor samples as well as direct comparison to the NYSDOH guidance. Monitoring and mitigation measures have been ongoing at the DiLaura DDS property, as discussed in the Draft CCR (Parsons 2024) and are recommended to continue until indoor air impacts have been resolved.

SECTION 5 - EXPOSURE ASSESSMENT

Information collected as part of this Phase II RI have been used to update qualitative assessments provided in the RI Report (Parsons 2022) of potential exposure pathways for the various detected compounds in site soils, groundwater, and soil vapors associated with the former dry cleaner at the Time 1-Hour Cleaners and DiLaura DDS properties. The Building 3 property, which was included in the original RI Report evaluation has not been included in this exposure assessment because the property could not be accessed during Phase II RI activities to collect additional samples.

5.1 Soil Vapor

Soil vapor appears to be the most prevalent pathway of potential exposure to site contamination, specifically CVOCs. Vapor mitigation systems have been installed at the affected buildings, and operation and monitoring of these systems is ongoing. CVOC levels, specifically DCE and VC, remained elevated in indoor air at the Time 1-Hour Cleaners location despite installation of an SSDS.

The change in site usage away from handling and storage of dry cleaned clothing and ongoing SSDS operation, combined with decreasing concentrations of PCE and increasing concentrations of breakdown products, indicate that CVOC concentrations would likely continue to decrease over time. However, access to the Time 1-Hour Cleaners building has not been granted by the property owner since 2023, at which time it appeared to be a vacant storefront. Despite recent visits to the Site, it is unclear whether the building occupancy has changed; the possibility exists that it remains vacant. Since operation of the SSDS system depends upon a continuous electrical supply, if the building sits vacant and without power for a prolonged period of time SSDS efficacy will likely decrease.

CVOC concentrations at the DiLaura DDS building have steadily decreased over the course of Phase I RI and Phase II RI activities, likely due to the mitigation methods implemented at the Site. Indoor air impacts appear to be most prevalent in the basement, which is the least occupied floor of the building. Existence of sub-slab water has precluded collection of sub-slab soil vapor samples in the DiLaura DDS building and therefore limits the application of the NYSDOH decision matrices. However, since the first floor is operated as a dentist office, occupied at least eight hours during weekdays, and the second floor is currently a residence it is recommended that monitoring and mitigation continue to be implemented at this property.

As discussed in the initial RI Report (Parsons 2022), soil vapor probes installed during the first phase of RI activities combined with impacts observed in overburden groundwater suggest groundwater and soil vapor may be impacted offsite.

5.2 Soil

Surface soils and subsurface soils are potential exposure pathways at any site where there are impacts related to historical operations. Results from the soil samples collected at the Site suggest that there are impacts above NYSDC SCOs in surface and subsurface soils related to former dry cleaning activities and anthropogenic sources in the shallow fill material.

Shallow soil impacts appear to be limited to the area directly north of the Time 1-Hour Cleaners building, which is the most recent location of the former dry cleaners. Direct exposure to the surface soil impacts is limited as the area of impacted soil is an active parking area covered by gravel in the area behind the Time 1-Hour Cleaners property. The parking area north of the DiLaura DDS building has been paved since submittal of the initial RI Report (Parsons 2022), therefore mitigating risk associated with surface soil exposure at this property.

Subsurface soil impacts primarily occur at depth north of the Time 1-Hour Cleaners and DiLaura DDS properties, as well as beneath the DiLaura DDS building slab. Direct exposure to subsurface soil is restricted due to the depth of the impacts as well as the building foundations and infrastructure. Workers completing intrusive work at the property may be exposed to impacted soils.

5.3 Groundwater

Groundwater impacts above NYSDEC Class GA SGVs are noted at the Site. The groundwater impacts are CVOCs related to the former dry cleaning operations. Several metals were also detected above the NYSDEC Class GA SGVs. Groundwater use is prohibited in this area of the city, and no drinking water wells are installed at the Site. Workers completing intrusive work at the Site or below the buildings may be exposed to direct contact with impacted groundwater.

5.4 Summary

Potential soil vapor, soil, and groundwater exposure pathways exist at the Site. Incidental ingestion and direct contact with impacted soil and groundwater is predominantly limited to workers or individuals conducting intrusive work at the Site. Mitigation measures have been implemented for soil vapor exposures that will be monitored and reevaluated on an ongoing basis to reduce this exposure pathway.

SECTION 6 – GREEN AND SUSTAINABLE REMEDIATION GOALS

This section outlines proposed green and sustainable remediation (GSR) goals for the project and the metrics used to evaluate whether goals were met. A Climate Screening Checklist was completed for the Site and is included in **Appendix J**.

Goals

- During the Phase II RI, more local staff were incorporated into fieldwork efforts. In future work, local staff should continue to be used to limit emissions from travel to and from the Site.
- To reduce energy consumption, field activities will be planned to take place during daylight hours to reduce the need for artificial lighting. Indoor sampling activities can take place during non-daylight hours to optimize working hours at the Site.
- Low-flow sampling will continue to be the primary method used for groundwater sampling at the Site. Use of small-volume sampling techniques, like HydraSleeves or passive diffusion bags, will be evaluated for use at the Site to further minimize wastewater.
- Dedicated tubing is present in each well to minimize waste from installing and then disposing of new tubing at each sampling event.
- Remediation technologies evaluated as part of the feasibility study will be assessed through the lens of green remediation strategies.

Key performance indicators (KPIs) are used to track the goals outlined above, and will be tracked and reported when appropriate.

- Track mileage to and from the Site.
- Track any work that takes place overnight or in daylight hours. Track such elements as generators and light towers that were used to facilitate working outside of daylight hours.
- Reevaluate sampling procedures as new technologies arise. Track wastewater generation during sampling.

GSR goals and KPIs will be reevaluated and updated as needed through the remainder of the project duration to account for changing site conditions, remedial alternatives and objectives, as well as lessons learned from ongoing and future site activities.

SECTION 7 - CONCLUSIONS

Based on the results of the RI activities documented in this report, the following are conclusions for the Time 1-Hour Cleaners Site.

1. Surface and subsurface soils at this Site have been impacted by chlorinated solvents related to dry cleaning operations. Impacts appear to be mainly on the Time 1-Hour Cleaners and DiLaura DDS properties. Exceedances of inorganics in soil are likely from anthropogenic sources related to the fill or typically associated with soils in the area.
2. Groundwater is present at the Site in overburden soils and bedrock. Groundwater is impacted by PCE and its degradation products. The primary COCs are PCE, TCE and cis-1,2-DCE in overburden groundwater and cis-1,2-DCE and vinyl chloride in bedrock groundwater.
3. The highest PCE concentrations in overburden groundwater were encountered at SVE-03 and PZ-01. Both locations are in, or directly adjacent to, the source areas indicated by soil results. Groundwater contours and analytical results from PZ-03 suggest that overburden groundwater is migrating off site.
5. The highest cis-1,2-DCE concentrations in bedrock groundwater were observed in offsite well MW-12 which may or may not indicate contribution from an offsite source.
4. Natural dechlorination of PCE appears to be taking place in groundwater at the Site. Assessment of natural attenuation will be presented in the Feasibility Study.
5. Continued sampling of monitoring wells and piezometers is needed to quantify trends in biodegradation.
6. Water beneath the basement slab of DiLaura DDS is recharged by a combination of surface water drainage at the Site and groundwater from native soils. There is communication between the groundwater in native overburden and the sub-slab soils as seen in groundwater impacts in PZ-03 where no soil impacts were observed.
7. Optimization of the SVE system is recommended and will be covered in the operation and maintenance reporting. Water is in contact with soil beneath the basement slab that has been impacted by historical dry cleaning operations.
6. Pathways for human exposure to Site impacts are limited given that mitigation systems for soil vapor have been installed at Time 1-Hour Cleaners, DiLaura DDS, and offsite Building 3. Human exposure to any impacted soils and/or groundwater may be possible during intrusive activities (e.g., repair of underground utilities or structures, potential future construction), but is not likely. A human exposure pathway has been observed via soil vapors. Continued monitoring of indoor air is recommended on an annual basis during the heating season to verify the effectiveness of the mitigation systems. Operation of the SVE system continues to operate. Along with the SVE system, operation of APUs within the DiLaura DDS building should continue until successive rounds of SVI sampling demonstrate indoor air concentrations remain depressed or the source area beneath the DiLaura DDS basement slab is remediated. Time 1-Hour Cleaners and Building 3 have not been accessible for SVI sampling since 2023 and 2017, respectively. Work should continue to gain access to these buildings for monitoring. Vapor mitigation systems installed at Time 1-Hour Cleaners, DiLaura DDS, and Building 3 should be routinely monitored for proper operation including the collection of exhaust samples. Indoor air samples should be collected from Time 1-Hour Cleaners to assess potential exposure risk prior to future occupancy. Future indoor air sampling should be considered for Building 3 to evaluate the effectiveness of the SSDS.
7. Potential human exposure pathways have been identified, and alternatives for remediating them will be identified and evaluated in the Feasibility Study.

A Fish and Wildlife Resources Impact Analysis was not conducted because the Site is an urban area, and there are no potential adverse impacts to fish and wildlife and other environmental resources. Soil impacts are localized to the Site, and there are no discharges to surface water.

SECTION 8 - REFERENCES

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FIGURES

TABLES

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FIGURES

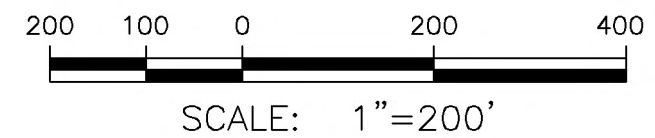
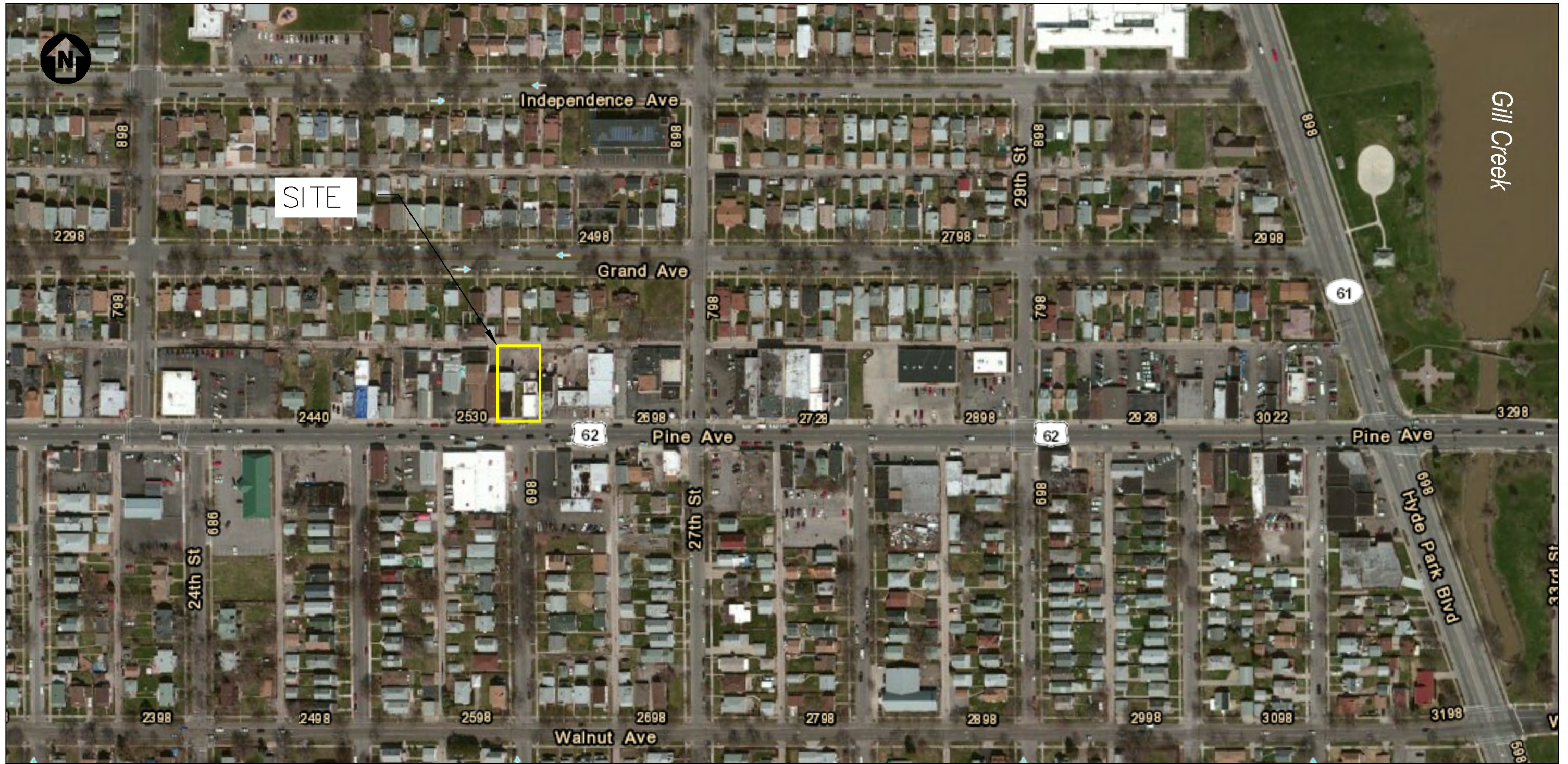
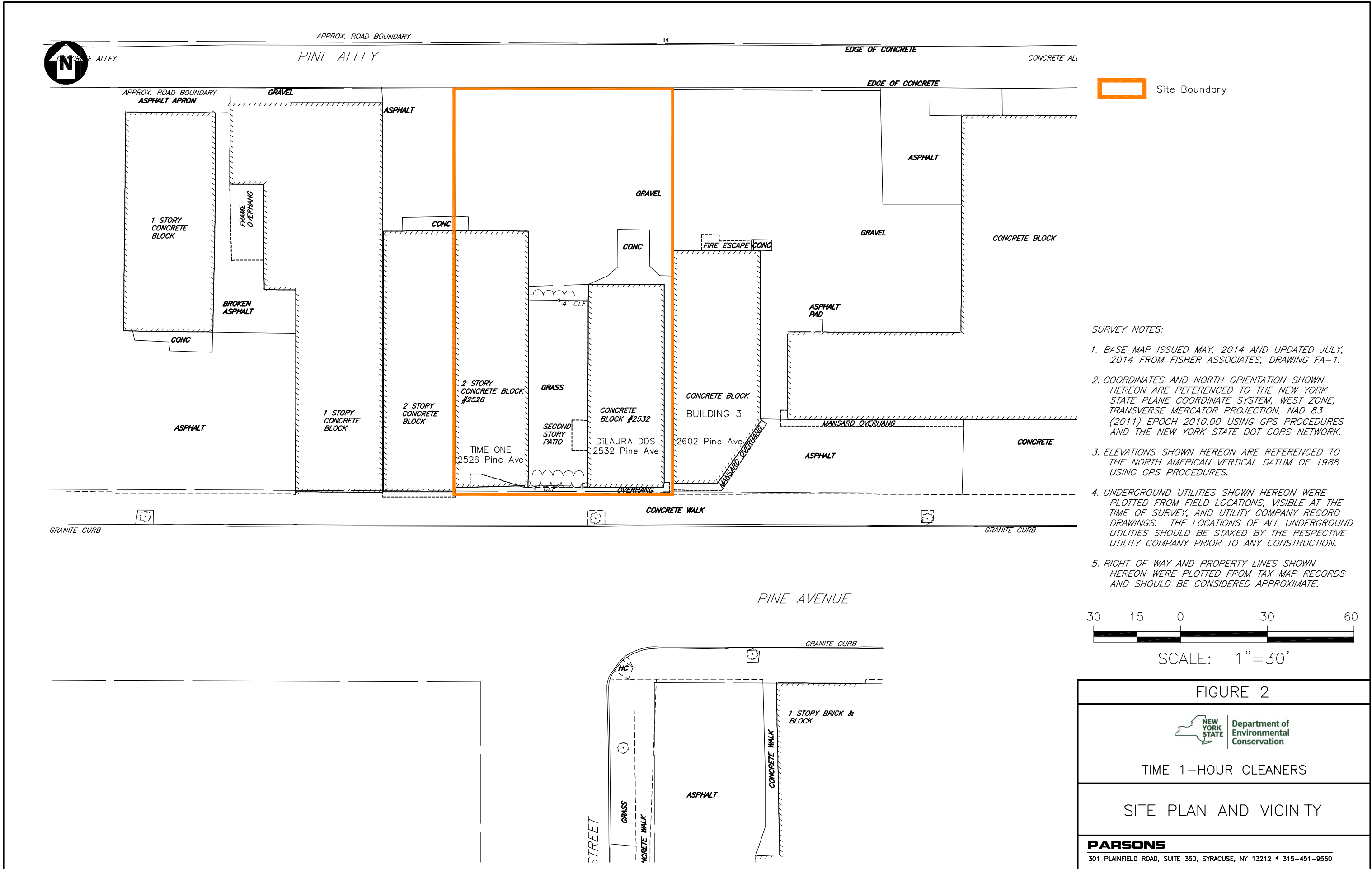
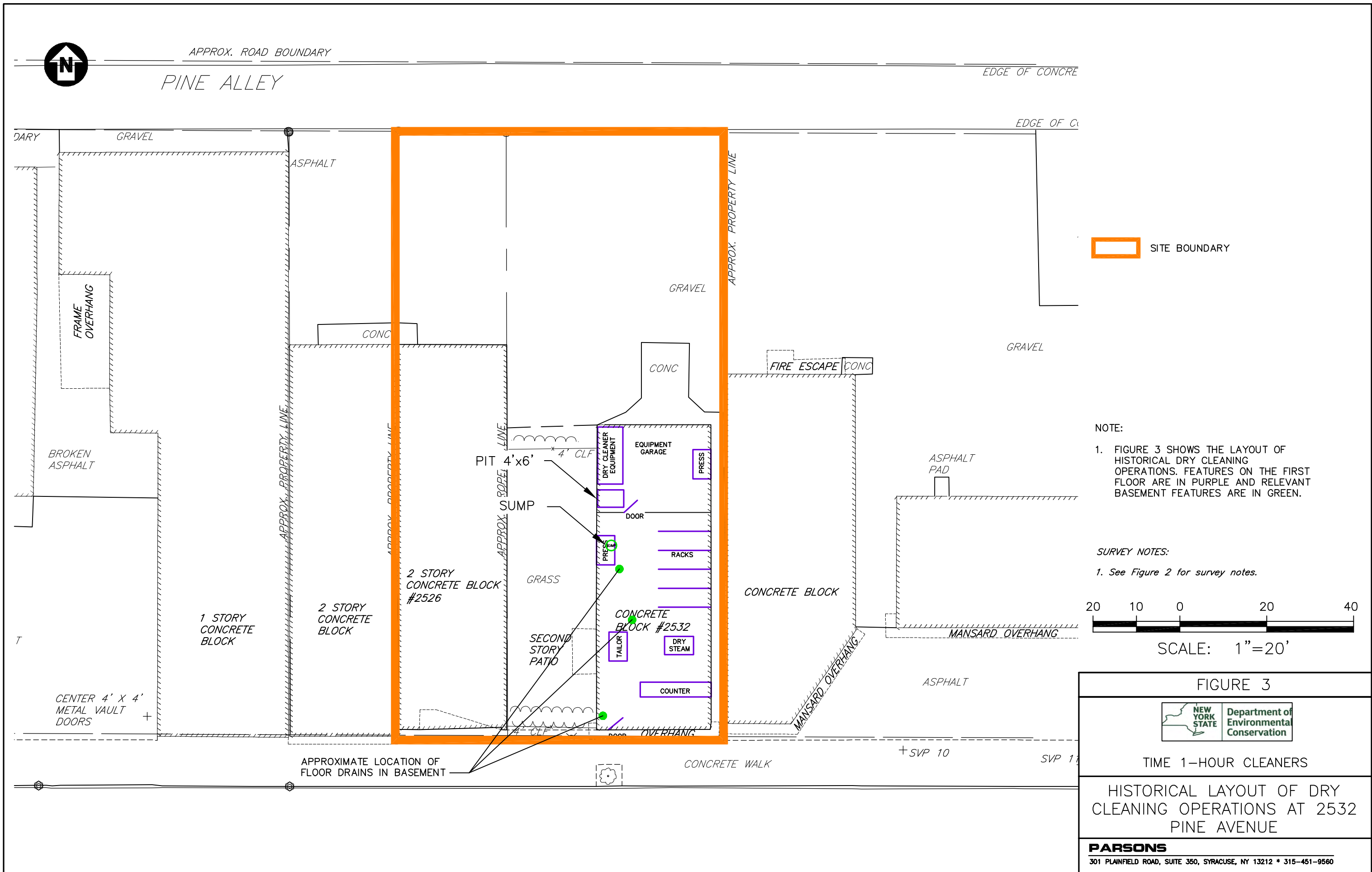
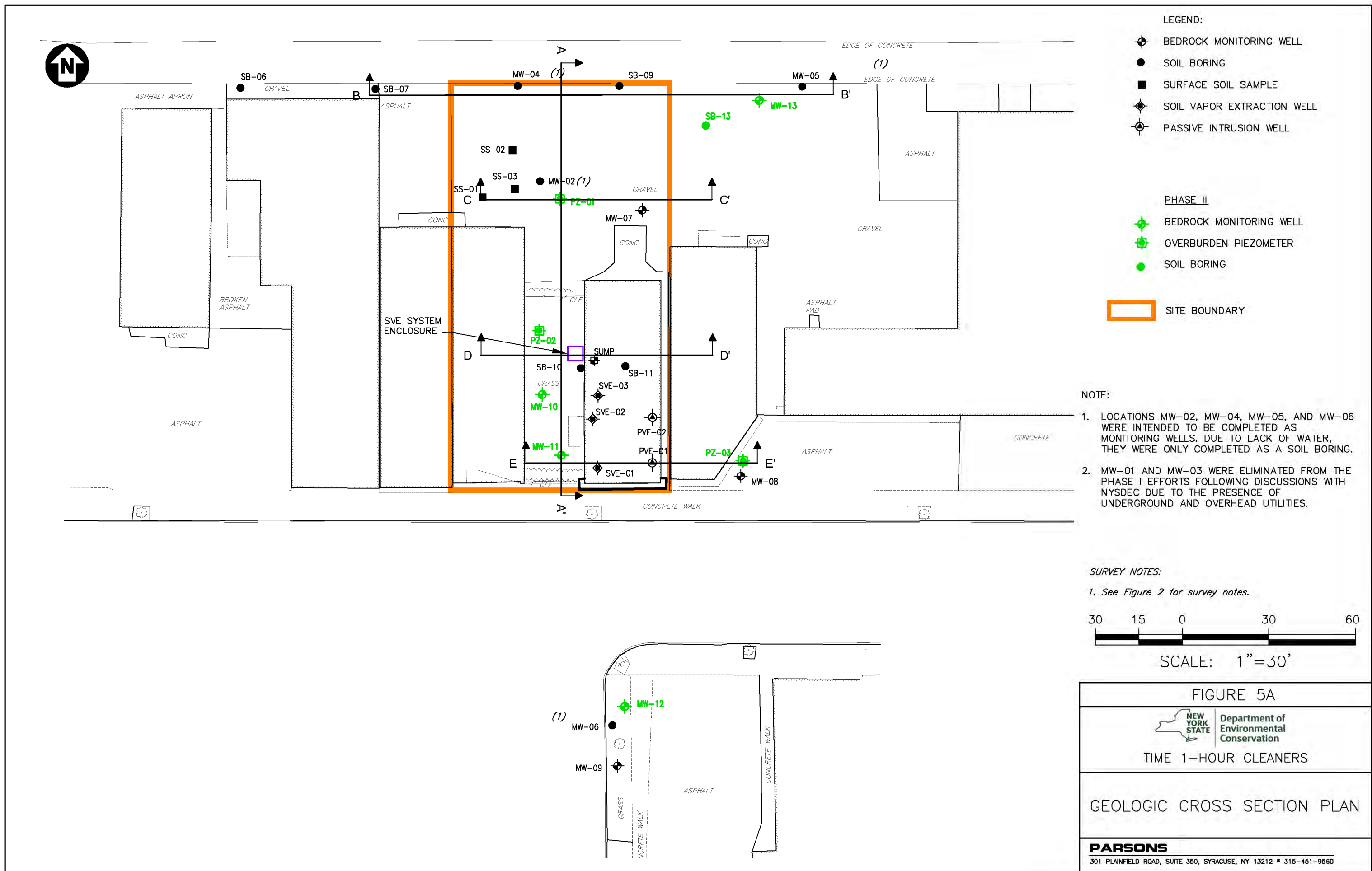


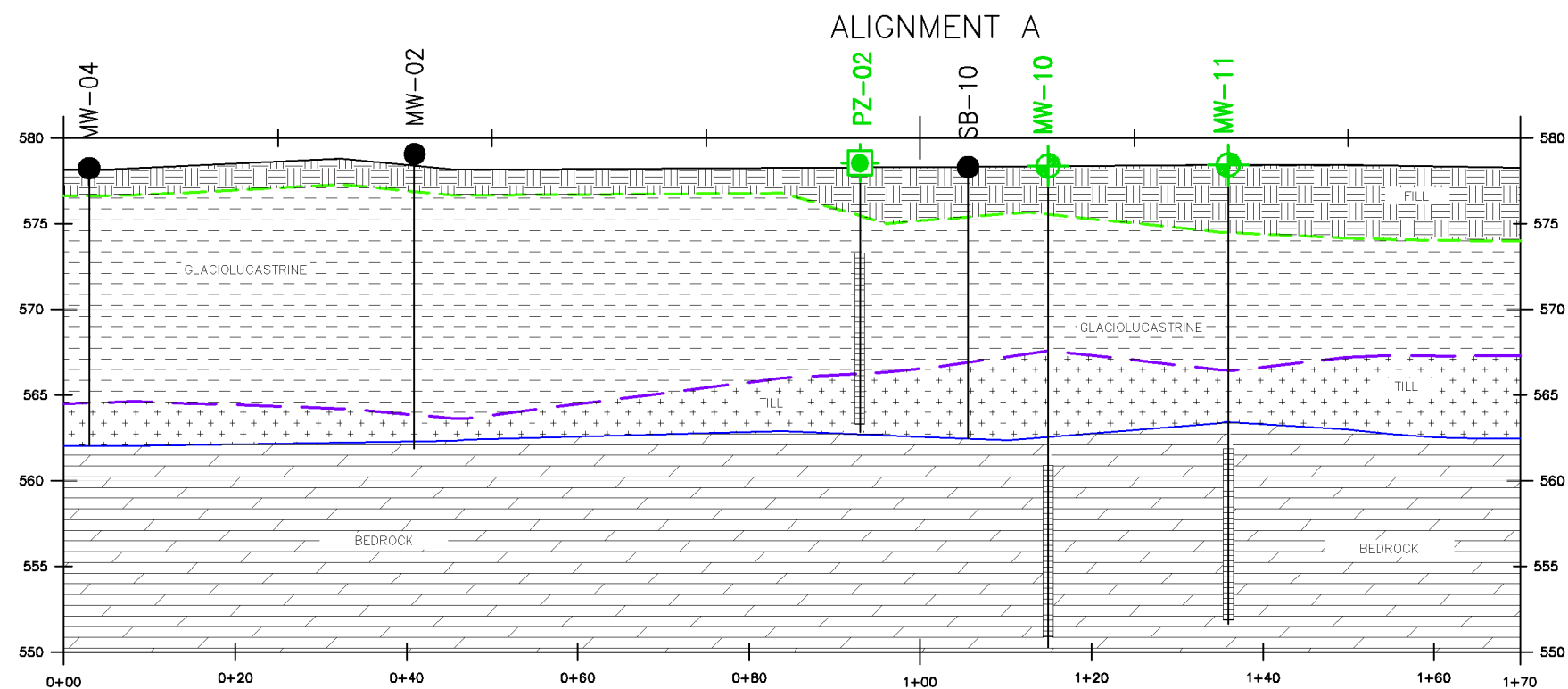
FIGURE 1	
	Department of Environmental Conservation
TIME 1-HOUR CLEANERS	
SITE LOCATION MAP	
PARSONS 301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, NY 13212 * 315-451-9560	











A-A'		
Well ID	Distance from Alignment (in feet)	Direction
MW-04	14.98	W
MW-02	7.21	W
PZ-02	7.53	W
SB-10	6.78	E
MW-10	6.50	W
MW-11	0.00	

LEGEND:

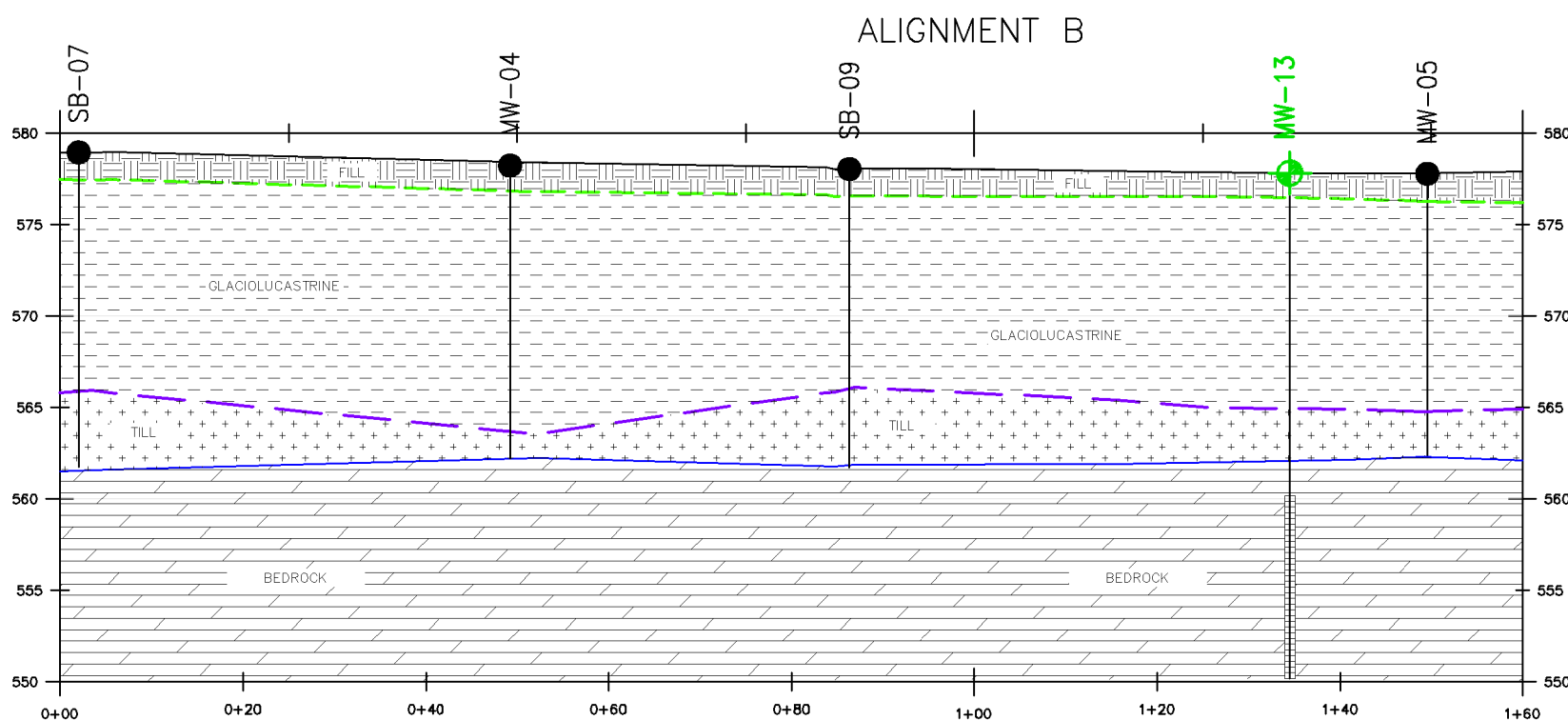
- GROUND SURFACE
- - - TOP OF GLACIOLACUSTRINE
- - - TOP OF TILL
- TOP OF ROCK

SURVEY NOTES:

- See Figure 2 for survey notes.
- All geology surfaces included in the cross-sections are interpolated and do not represent actual elevations at each location. The elevations shown on this cross-section differ from elevations reported in other tables and figures in the Remedial Investigation report due to each location's offset from the profile line and the interpolation of data between points.



SCALE: 1"=20'



B-B'		
Well ID	Distance from Alignment (in feet)	Direction
SB-07	2.22	N
MW-04	3.15	N
SB-09	3.06	N
MW-13	2.05	S
MW-05	2.71	N

FIGURE 5B

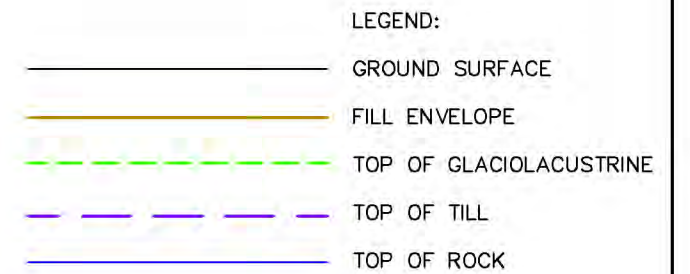
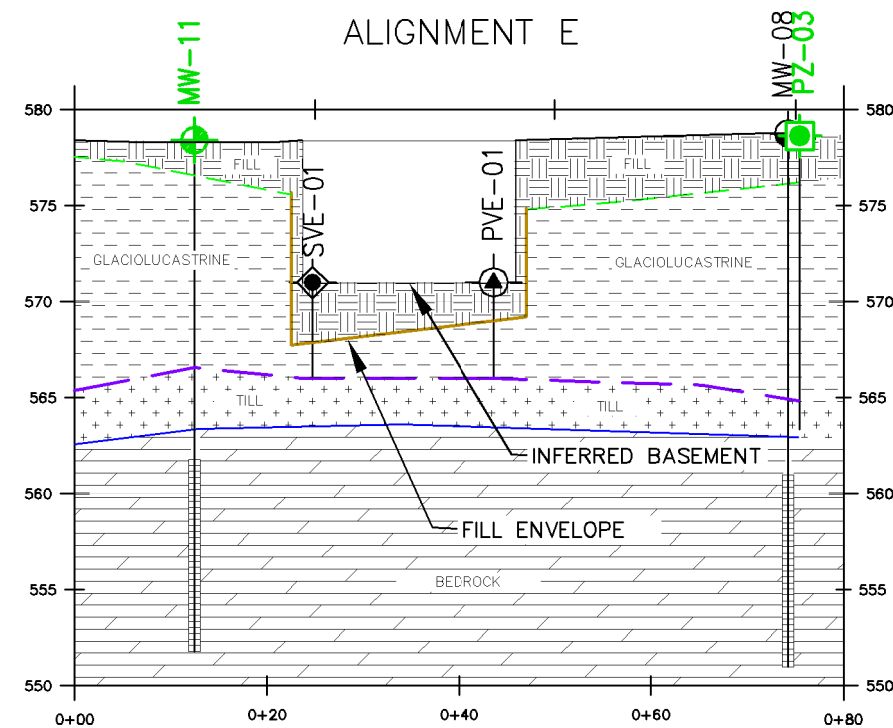
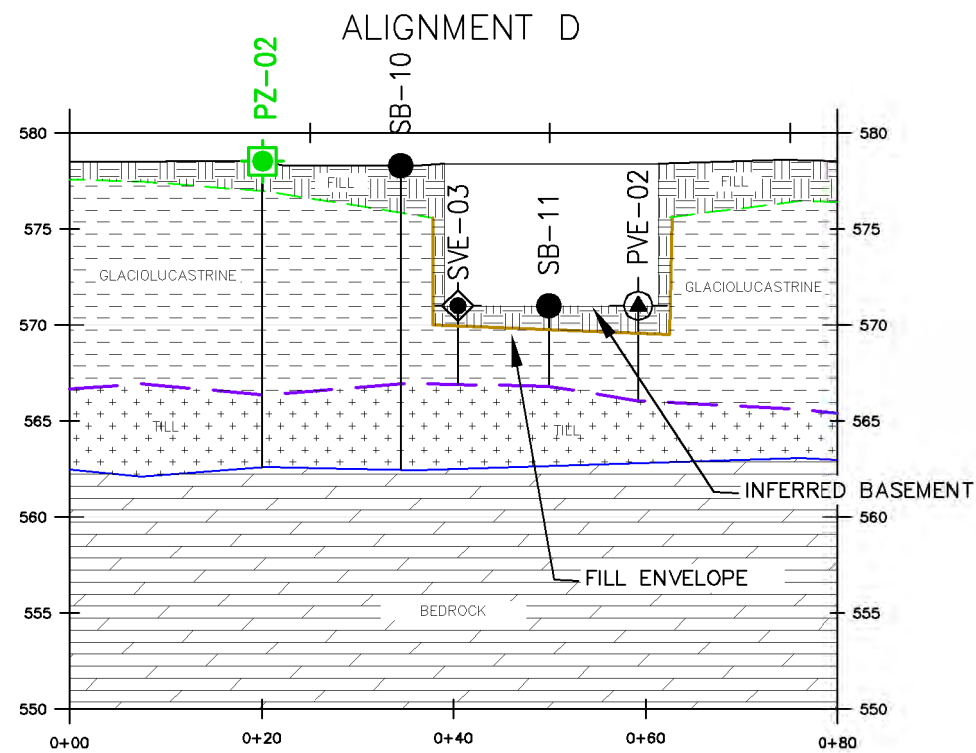
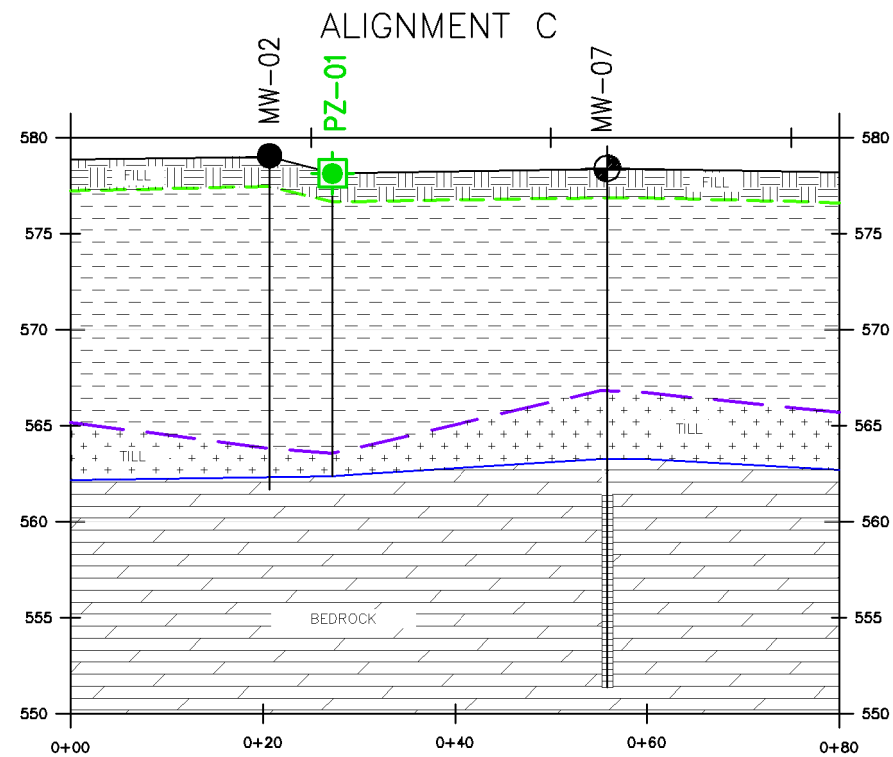


TIME 1-HOUR CLEANERS

SECTIONS
A-A' AND B-B'

PARSONS

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



SURVEY NOTES:

- See Figure 2 for survey notes.
- All geology surfaces included in the cross-sections are interpolated and do not represent actual elevations at each location. The elevations shown on this cross-section differ from elevations reported in tables in the Remedial Investigation report due to each location's offset from the profile line and the interpolation of data between points.
- Fill envelope shown adjacent to the building foundation is inferred based on historical site knowledge. Fill thickness beneath the basement slab are based on soil descriptions from locations in the basement.

C-C'		
Well ID	Distance from Alignment (in feet)	Direction
MW-02	6.34	N
PZ-01	0.27	N
MW-07	3.67	S

D-D'		
Well ID	Distance from Alignment (in feet)	Direction
PZ-02	8.44	N
SB-10	4.51	S
SVE-03	13.98	S
SB-11	3.82	S
PVE-02	21.54	S

E-E'		
Well ID	Distance from Alignment (in feet)	Direction
MW-11	2.63	N
SVE-01	1.73	S
PVE-01	0.00	-
MW-08	4.58	S
PZ-03	0.74	N



SCALE: 1"=20'

FIGURE 5C

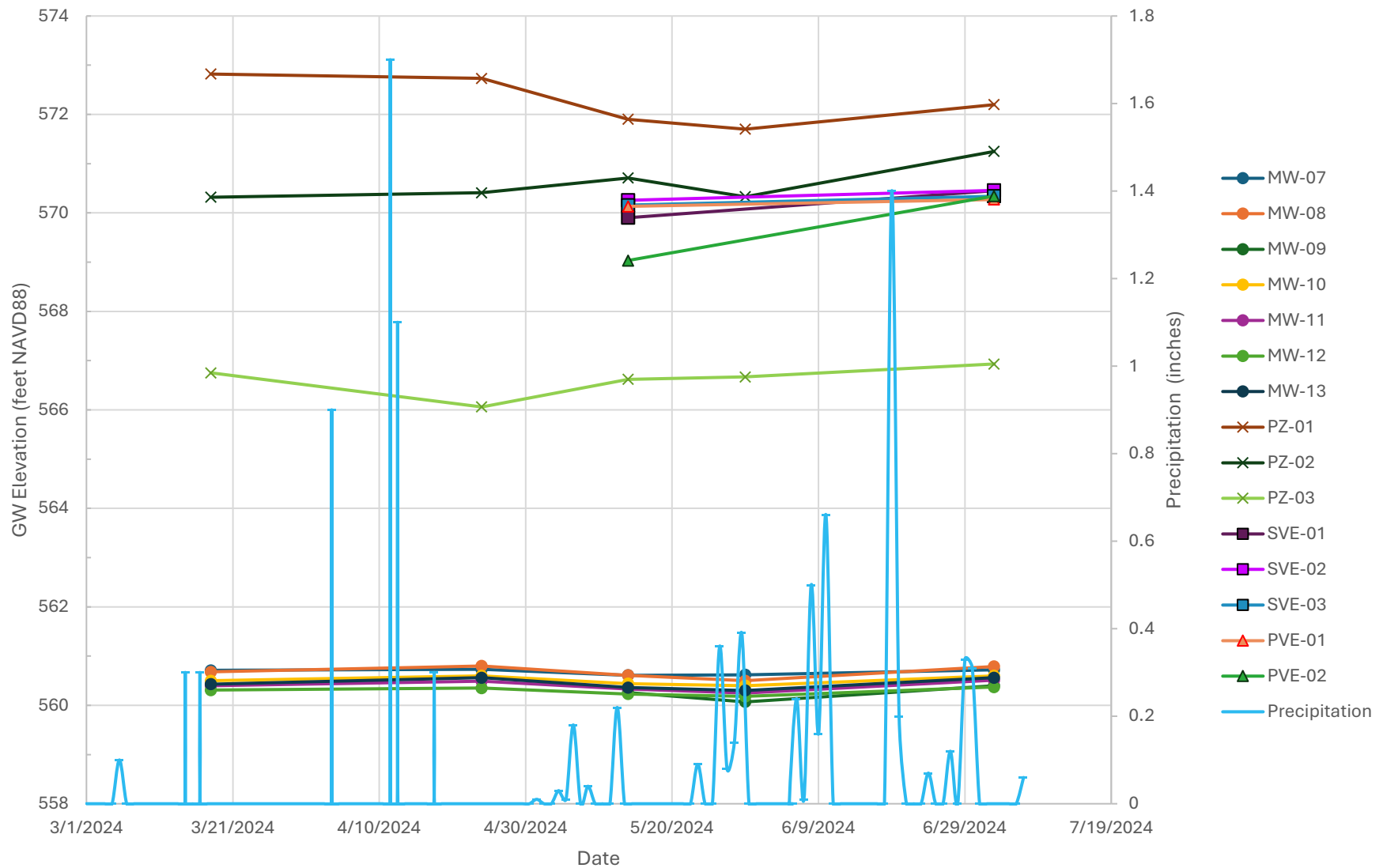


TIME 1-HOUR CLEANERS

SECTIONS
C-C', D-D' AND E-E'

PARSONS

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



Notes:

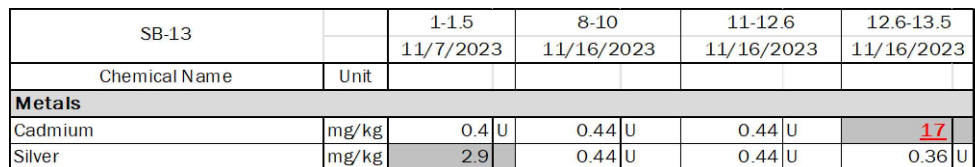
1. Precipitation sourced from Niagara Falls International Airport weather station via Weather Underground (<https://www.wunderground.com/calendar/us/ny/niagara-falls/KIAG>)
2. SVE and PVE elevations are based on the estimated slab elevation in Table 1

FIGURE 7

TIME 1-HOUR CLEANERS
NIAGARA FALLS, NEW YORK

HYDROGRAPHS AND PRECIPITATION





PZ-01		1.5-2	8-10		11-13		13-15	
		11/2/2023	11/3/2023		11/3/2023		11/3/2023	
Chemical Name	Unit							
VOCs								
Cis-1,2-Dichloroethylene	mg/kg	0.0073		1.5		0.59		0.69
Tetrachloroethylene (PCE)	mg/kg	0.28		44		24		16
Trichloroethylene (TCE)	mg/kg	0.025		5.2		3.2		3.1
Metals								
Zinc	mg/kg	61		79		120		110

PZ-02		1.7-2.2	8-10	11-13	13-15
		11/10/2023	11/13/2023	11/13/2023	11/13/2023
Chemical Name	Unit				
SVOCs					
1,4-Dioxane (P-Dioxane)	mg/kg	0.064 U	0.62	0.069 U	0.055 U

MW-10		1-15	8-10	11-14
		11/8/2023	11/8/2023	11/8/2023
Chemical Name	Unit			
Metals				
Cadmium	mg/kg	0.41 U	0.44 U	1
Chromium, Total ³	mg/kg	32 J	23	6.5
Zinc	mg/kg	80	58	240

MW-11		0.5-1		8-10		12-13		14-15	
		11/3/2023		11/6/2023		11/6/2023		11/6/2023	
Chemical Name	Unit								
Emerging Contaminants									
Perfluorooctanesulfonic acid (PFOS)	ug/kg	1.1		0.2	U	0.19	U	0.19	U
Metals									
Chromium, Total ³	mg/kg	40		24		15		16	
Silver	mg/kg	3.2		0.45	U	0.4	U	0.41	U
Mercury	mg/kg	0.75		0.034	U	0.031	U	0.09	

MW-13		1.3-1.8	8-10	11-13	13-15.3
		11/7/2023	11/9/2023	11/9/2023	11/9/2023
Chemical Name	Unit				
Metals					
Chromium, Total ³	mg/kg	31	18	17	8.8
Nickel	mg/kg	35	22	20	9.6
Silver	mg/kg	2.6	0.42 U	0.41 U	0.37 U

- PHASE II
-  MONITORING WELL
-  PIEZOMETER WELL



1. LOCATIONS MW-02, MW-04, MW-05, AND MW-06 WERE INTENDED TO BE COMPLETED AS MONITORING WELLS. DUE TO LACK OF WATER, THEY WERE ONLY COMPLETED AS A SOIL BORING.
2. MW-01 AND MW-03 WERE ELIMINATED FROM THE PHASE I EFFORTS FOLLOWING DISCUSSIONS WITH NYSDEC DUE TO THE PRESENCE OF UNDERGROUND AND OVERHEAD UTILITIES.
3. ONLY CONCENTRATIONS EXCEEDING RELEVANT CRITERIA ARE SHOWN.
4. SHADED DATA EXCEEDS NYSDEC PART 375 UNRESTRICTED. BOLD EXCEEDS NYSDEC PART 375 RESIDENTIAL UNDERLINED EXCEEDS NYSDEC PART 375 PGW NO MARKING MEANS NO EXCEEDANCE.
5. DATA SHOWN ARE FROM PHASE II RI ACTIVITIES. REFERENCE RI REPORT (PARSONS 2022) FOR PRIOR INVESTIGATION RESULTS.
6. PHASE II SOIL SAMPLES COLLECTED IN NOVEMBER 2, 2023 THROUGH NOVEMBER 16, 2023.

1. See Figure 2 for survey notes.



SCALE: 1"=30'

FIGURE 8



TIME 1-HOUR CLEANERS

PHASE II SAMPLE RESULTS

SOILS

PARSONS

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

Chemical Name	Unit	NYDEC PART 375 UNRESTRICTED	NYDEC PART 375 RESTRICTED RESIDENTIAL	NYDEC PAR 1375 PGW
VOCs				
Cis-1,2-Dichloroethylene	mg/kg	0.25	100	0.25
Tetrachloroethylene (PCE)	mg/kg	1.3	19	1.3
Trichloroethylene (TCE)	mg/kg	0.47	21	0.47
SVOCs				
1,4-Dioxane (P-Dioxane)	mg/kg	0.1	13	0.1
PFAS				
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	44	3.7
Metals				
Cadmium	mg/kg	2.5	4.3	7.5
Chromium, Total [®]	mg/kg	30	180	NS
Nickel	mg/kg	30	310	130
Silver	mg/kg	2	180	8.3
Zinc	mg/kg	109	10000	2480
Mercury	mg/kg	0.18	0.81	0.73

Notes:

- 1. Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6.
- 2. PFAS Guidance Values obtained from NYSED Sampling, Analysis, and Assessment of PFAS, April 2023.
- 3. Since there are no standards for Total Chromium, the criteria for Trivalent Chromium has been applied.
mg/kg = milligrams per kilogram; ug/kg = micrograms per kilogram
- 4. If detected above laboratory standard, it is estimated at the value given
- 5. Value exceeds the NYCRR Unrestricted Use SCOs
- 6. Value exceeds the NYCRR Restricted Residential Use SCOs
- 7. Value exceeds NYCRR Protection of Groundwater SCOs



PZ-01	
VOLATILES	
Tetrachloroethylene (PCE)	12000
Trichloroethylene (TCE)	5400
Cis-1,2-Dichloroethylene	4500
Trans-1,2-Dichloroethene	54 J
Vinyl Chloride	32 J
1,1-Dichloroethene	34 J

MW-13	
VOLATILES	
Cis-1,2-Dichloroethylene	13
Vinyl Chloride	5
INORGANICS	
Iron	1.1
Magnesium	91
Sodium	210
Chloride (As Cl)*	400
Sulfate (As SO4)*	500

SVE-03	
VOLATILES	
Tetrachloroethylene (PCE)	48000 J
Trichloroethylene (TCE)	5200
Cis-1,2-Dichloroethylene	2000

MW-10	
VOLATILES	
Cis-1,2-Dichloroethylene	16
Vinyl Chloride	6.8
INORGANICS	
Iron	1.9
Magnesium	95
Sodium	220
Sulfate (As SO4)*	580
Chloride (As Cl)*	410

SVE-02	
VOLATILES	
Cis-1,2-Dichloroethylene	51
50	
INORGANICS	
Sulfate (As SO4)*	280

MW-11	
VOLATILES	
Cis-1,2-Dichloroethylene	10
Vinyl Chloride	4.8
INORGANICS	
Iron	1.4
Magnesium	80
Sodium	210
Chloride (As Cl)*	480
Sulfate (As SO4)*	420
MW-11 DUP	
VOLATILES	
Cis-1,2-Dichloroethylene	9.8
Vinyl Chloride	4.9
INORGANICS	
Iron	1.4
Magnesium	82
Sodium	210
PFAS	
Perfluorooctanoic acid (PFOA)	6.8

SVE-01	
INORGANICS	
Sulfate (As SO4)*	310

MW-09	
VOLATILES	
Tetrachloroethylene (PCE)	5.9
Trichloroethylene (TCE)	6.5
Cis-1,2-Dichloroethylene	9.6
INORGANICS	
Magnesium	41
Sodium	77
PFAS	
Perfluorooctanoic acid (PFOA)	7.3

MW-07	
VOLATILES	
Cis-1,2-Dichloroethylene	11
Vinyl Chloride	7.2
INORGANICS	
Magnesium	90
Iron	1.8
Sodium	250
Chloride (as Cl)*	500
Sulfate (as SO4)*	480
PFAS	
Perfluorooctanoic acid (PFOA)	7.2

PVE-02	
VOLATILES	
Tetrachloroethylene (PCE)	720
Trichloroethylene (TCE)	360
Cis-1,2-Dichloroethylene	1100
Trans-1,2-Dichloroethene	27
Vinyl Chloride	15 J
1,2-Dichloropropane	5 J

PZ-03	
VOLATILES	
Cis-1,2-Dichloroethylene	860
Benzene	1.2 J
1,2-Dichloropropane	6.1
Tetrachloroethylene (PCE)	390
Trichloroethylene (TCE)	380
Trans-1,2-Dichloroethene	9.8
Vinyl Chloride	9.5 J

MW-08	
VOLATILES	
Tetrachloroethylene (PCE)	5.8
Trichloroethylene (TCE)	7.3
Cis-1,2-Dichloroethylene	41
INORGANICS	
Magnesium	50
Sodium	110
Chloride (as Cl)*	310
PFAS	
Perfluorooctanoic acid (PFOA)	7

MW-12	
VOLATILES	
Tetrachloroethylene (PCE)	17
Trichloroethylene (TCE)	12
Cis-1,2-Dichloroethylene	52
INORGANICS	
Magnesium	45
Sodium	96

LEGEND:

- BEDROCK MONITORING WELL
- OVERBURDEN PIEZOMETER WELL
- SOIL VAPOR EXTRACTION WELL
- PASSIVE INJECTION WELL

SITE BOUNDARY

NOTE:

- MW-01 and MW-03 were eliminated from the Phase I efforts following discussions with NYSDEC due to the presence of underground and overhead utilities.
- Shaded data exceeds NYSDEC Class GA (units are in ng/L).
- Only detected compounds are shown.
- J values are estimated.
- Asterisk (*) indicated a natural attenuation parameter.
- See Table 4 Groundwater Analytical Results and Section 2.4.4 for description of the Spring 2024 sampling events. Groundwater samples collected in April and May 2024.

Standards and Guidance Values ^{1,2}		
Chemical Name	Unit	NYSDEC Class GA
Metals		
Iron	mg/l	0.3
Magnesium	mg/l	35
Sodium	mg/l	20
VOCs		
1,1-Dichloroethene	ug/l	5
1,2-Dichloropropane	ug/l	1
Benzene	ug/l	1
Cis-1,2-Dichloroethylene	ug/l	5
Tetrachloroethylene (PCE)	ug/l	5
Trans-1,2-Dichloroethene	ug/l	5
Trichloroethylene (TCE)	ug/l	5
Vinyl Chloride	ug/l	2
PFAS		
Perfluorooctanoic acid (PFOA)	ng/l	6.7
Bioremediation Parameters / Other		
Chloride (As Cl)	mg/l	250
Sulfate (As SO4)	mg/l	250

¹NYSDEC Groundwater Ambient Water Quality Standards and Guidance Values (AWQSGVs) obtained from the Division of Water TOGS 1.1.1, June 1998

²PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, November 2022.



SCALE: 1"=40'

FIGURE 9

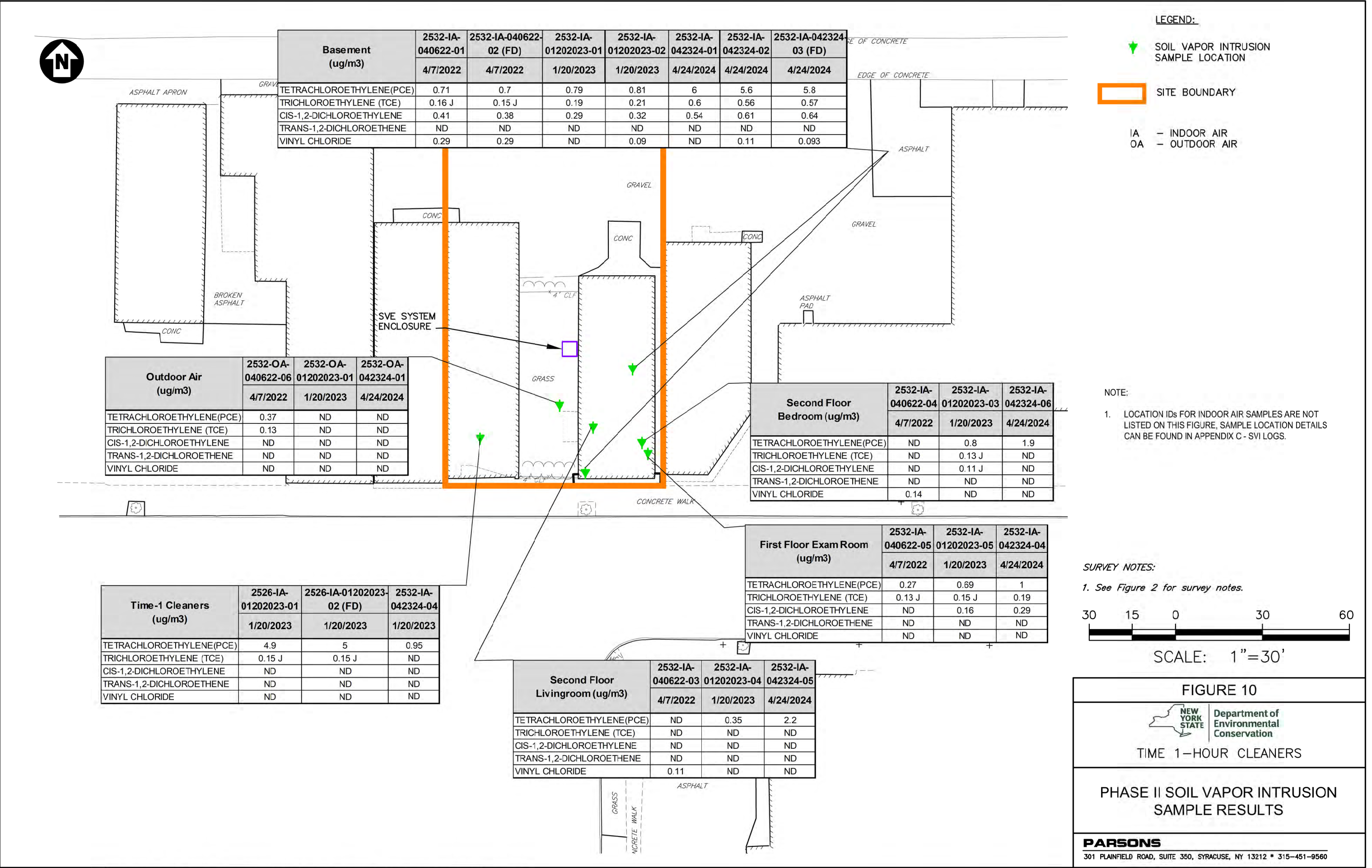


TIME 1-HOUR CLEANERS

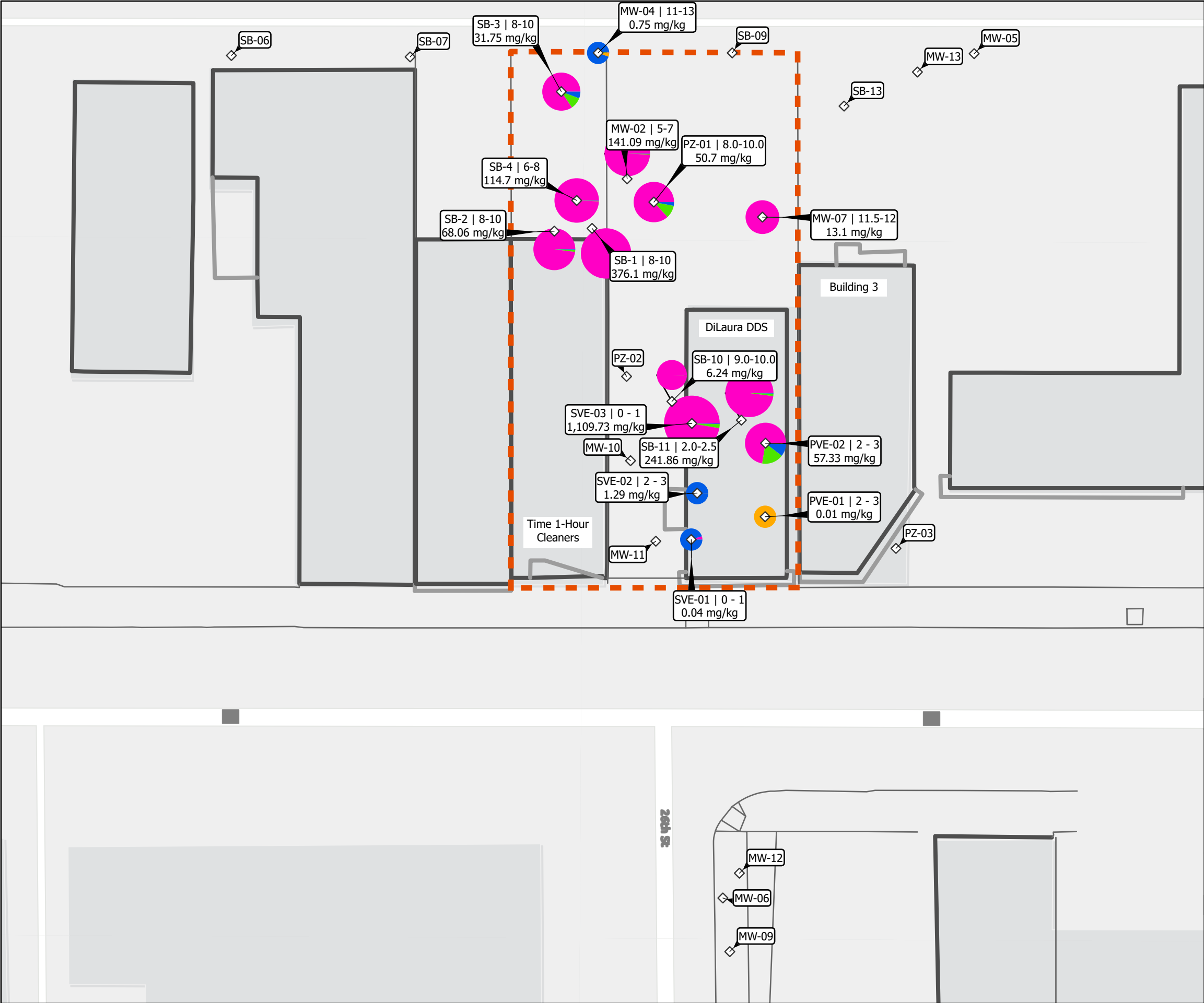
PHASE II GROUNDWATER SAMPLE RESULTS SUMMARY

PARSONS

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



Plot Date: 11/14/2024 Plotted By: Schweigel, Tayler



Legend

◇ Soil Boring Locations

Soil Results Relative Concentrations



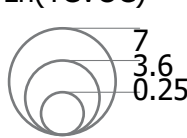
PCE

TCE

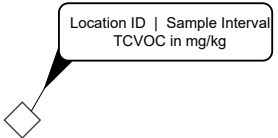
cDCE

VC

Ln(TCVOC)



Site Boundary



Notes

1. Soil boring locations without pie chart symbols were non-detect for PCE, TCE, cDCE, and vinyl chloride
2. tDCE was not reported for SB-01 through SB-04 (2011) and so it not shown in the pie chart symbology.
3. Non-detects are shown as zero in the pie charts.
4. Pie charts may be offset from soil boring locations to avoid overlap.

CVOC: chlorinated volatile organic compound
PCE: Tetrachloroethylene
TCE: Trichloroethylene
cDCE: Cis-1,2-Dichloroethylene
VC: Vinyl Chloride
Ln(TCVOC): natural log of the total CVOC value; used to normalize pie chart size



Figure 11A



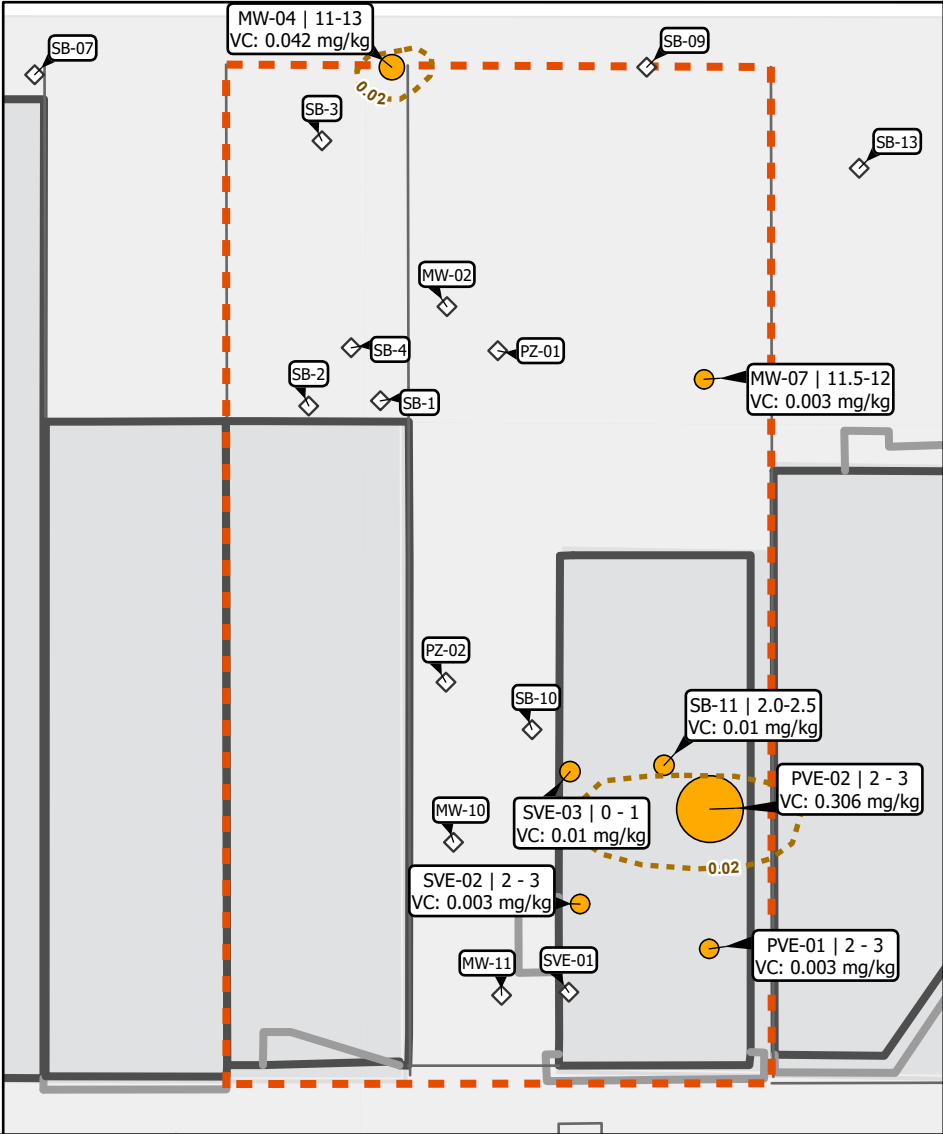
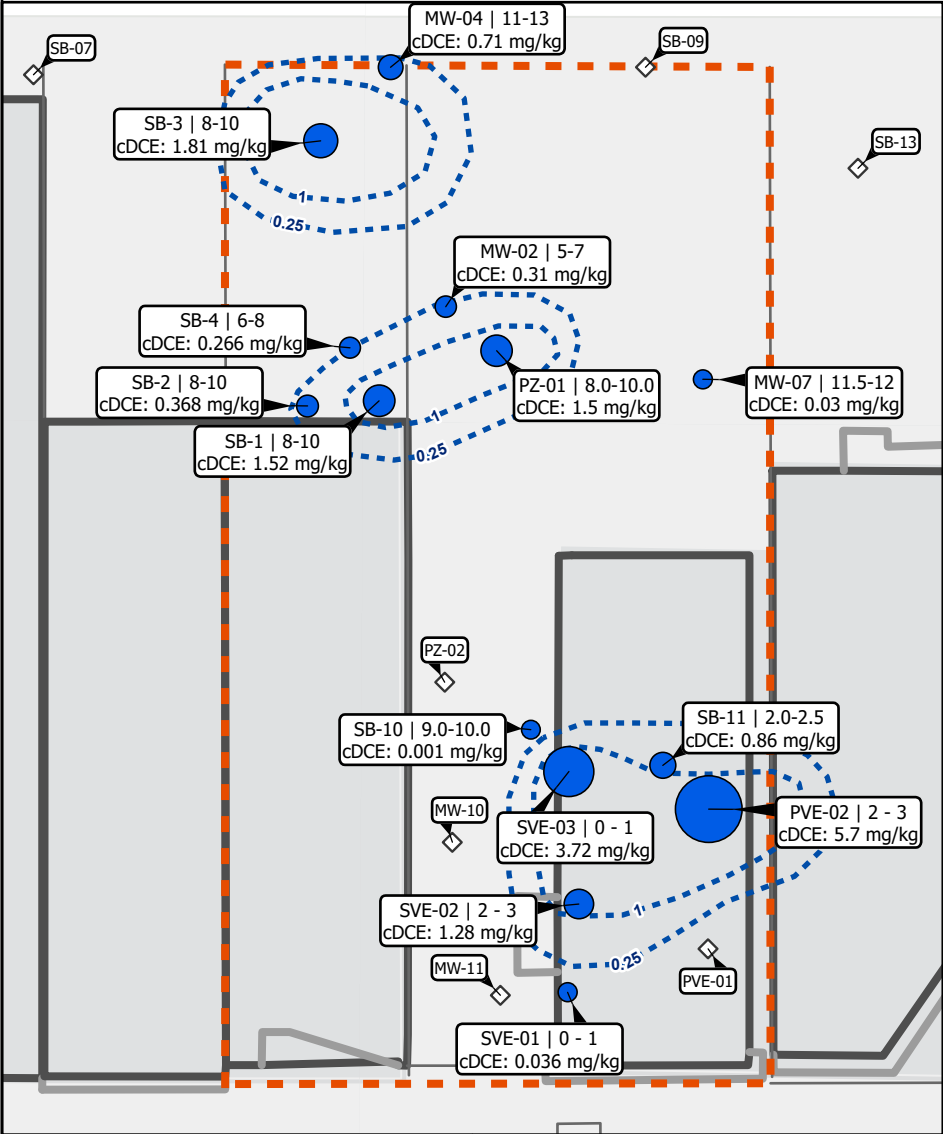
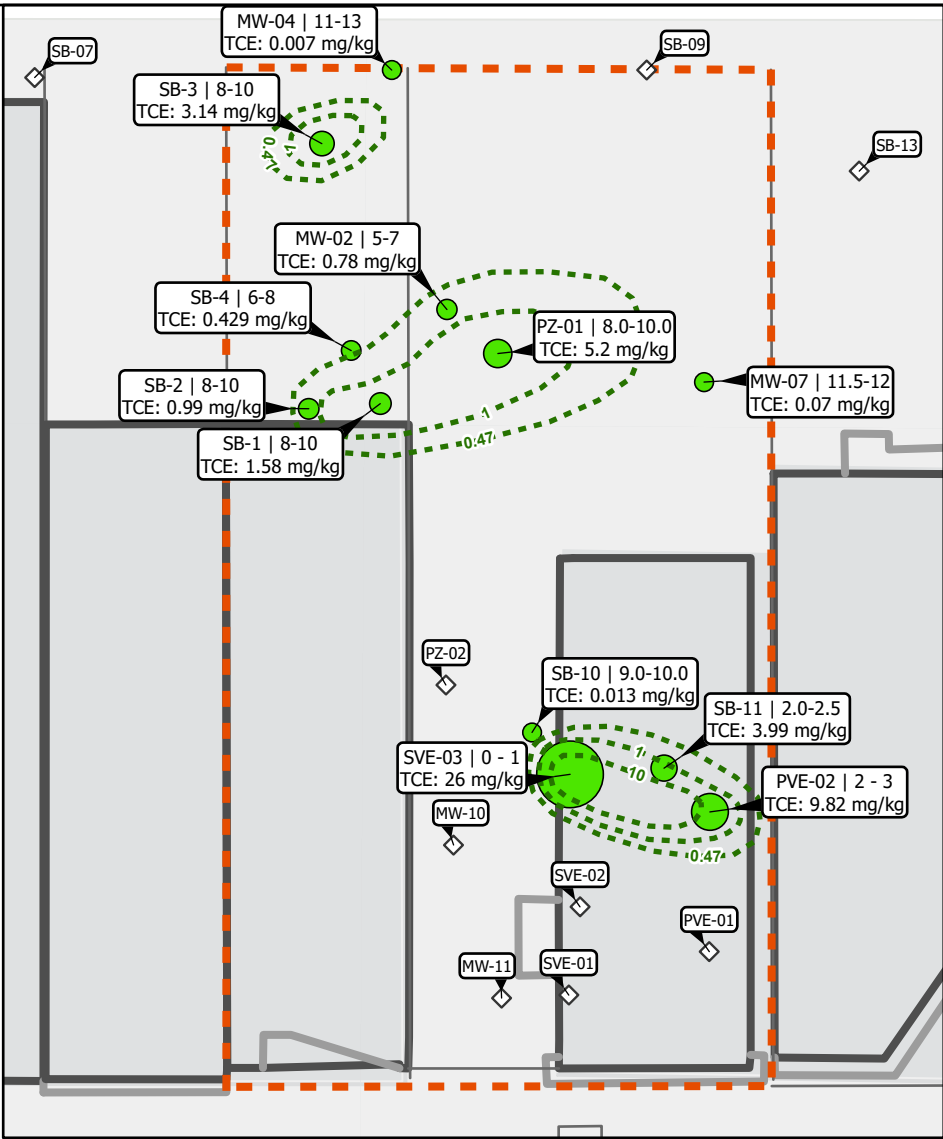
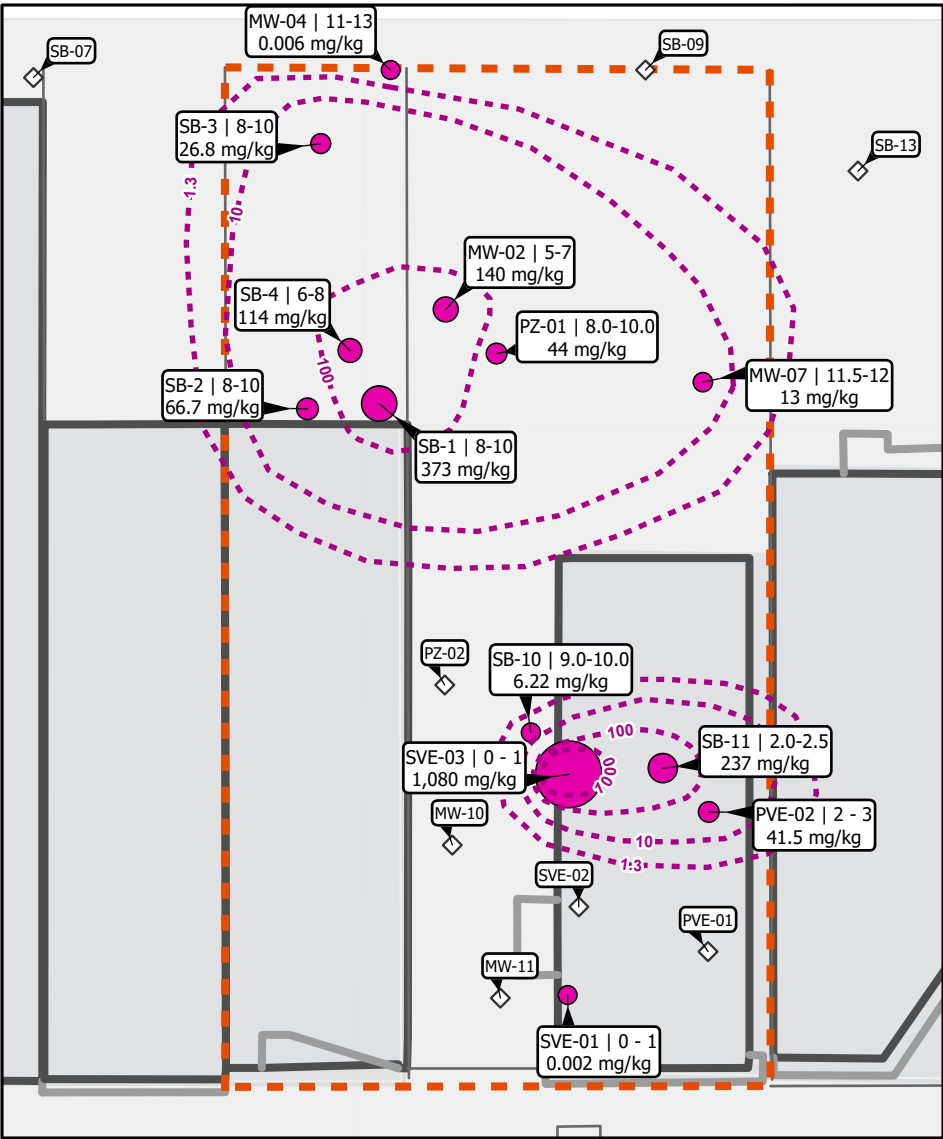
**Department of
Environmental
Conservation**

Time 1-Hour Cleaners

**Comparison of PCE and Degradation
Product Concentrations in Soil**

PARSONS

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



Legend

- Location ID | Sample Interval
Maximum Concentration in mg/kg
- Site Boundary
 - Soil Boring Locations non-detect for respective CVOC
 - PCE Soil Concentrations
 - TCE Soil Concentrations
 - cDCE Soil Concentrations
 - VC Soil Concentrations
 - PCE Isocontours
 - TCE Isocontours
 - cDCE Isocontours
 - VC Isocontours

CVOC	Unrestricted Soil Cleanup Objectives
PCE	1.3 mg/kg
TCE	0.47 mg/kg
cDCE	0.25 mg/kg
VC	0.02 mg/kg

Notes

- Non-detects are shown as ND in labels.
- Site boundary is approximate.
- Alternative area boundaries are approximate.
- Soil vapor concentrations in Building 3 (east of map extent) indicate CVOC impacts below the building. However, no soil data have been collected within the footprint of Building 3. An SSDS is in place in Building 3 to mitigate impacts.
- Soil results shown on the maps and used to create the isocontours are from the soil sample interval with the maximum total CVOC concentration.
- Symbol size is scaled relative to concentration value.
- Soil isocontours interpolated manually.
- Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006

CVOC: chlorinated volatile organic compound
PCE: Tetrachloroethylene | TCE: Trichloroethylene
cDCE: Cis-1,2-Dichloroethylene | VC: Vinyl Chloride

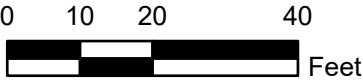


Figure 11B



Department of
Environmental
Conservation

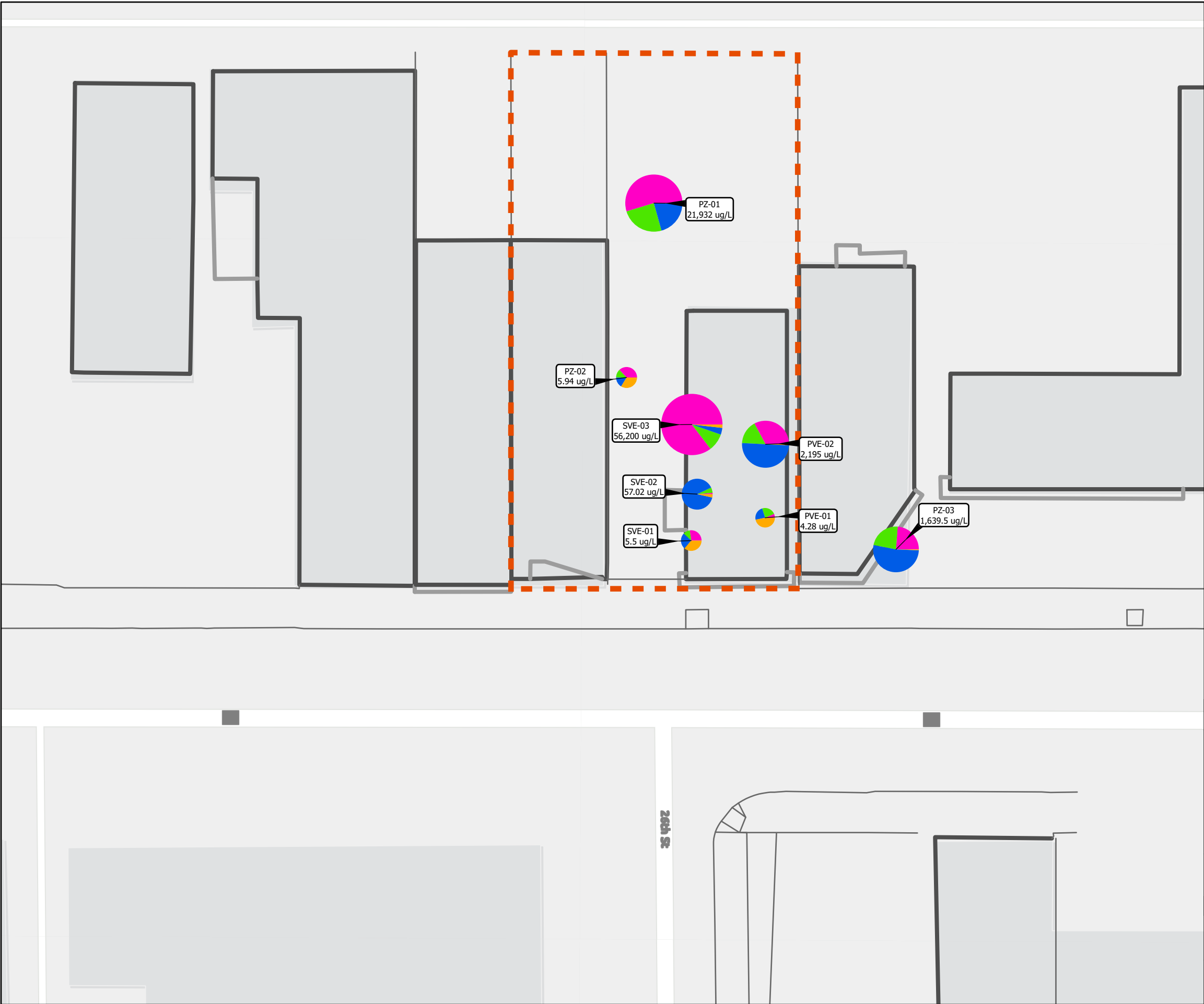
Time 1-Hour Cleaners

PCE and Degradation Product
Isocontours in Soil

PARSONS

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

Plot Date: 11/14/2024 Plotted By: Schweigel, Tayler



Legend

Overburden Groundwater Results
Concentration Comparison



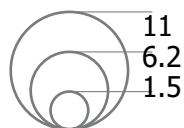
PCE

TCE

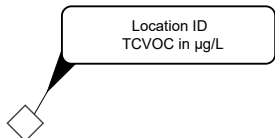
cDCE

VC

Ln(TCVOC)



Site Boundary



Notes

1. TCVOC totals include PCE, TCE, cDCE, VC
2. Non-detects are shown as zero in the pie charts.

CVOC: chlorinated volatile organic compound
PCE: Tetrachloroethylene
TCE: Trichloroethylene
cDCE: Cis-1,2-Dichloroethylene
VC: Vinyl Chloride
Ln(TCVOC): natural log of the total CVOC value; used to normalize pie chart size

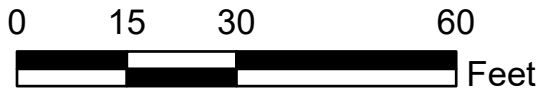


Figure 12



**Department of
Environmental
Conservation**

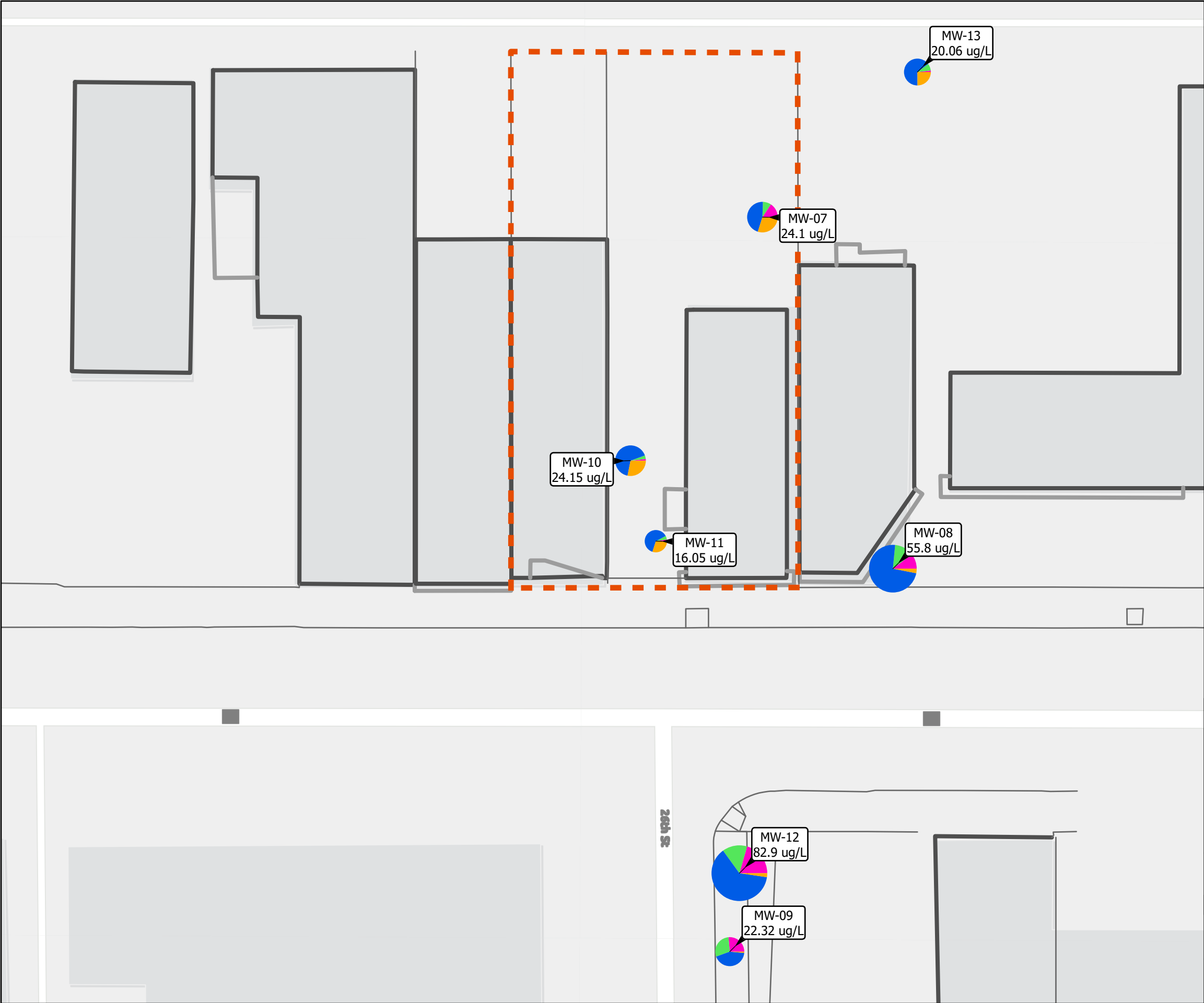
Time 1-Hour Cleaners

**Comparison of PCE and Degradation Product
Concentrations in Overburden Groundwater**

PARSONS

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

Plot Date: 11/14/2024 Plotted By: Schweigel, Tayler



Legend

Bedrock Groundwater Results
Concentration Comparison

PCE

TCE

Cis-DCE

VC

Ln(TCVOC)

4.4

3.6

2.8

Location ID
TCVOC in ug/L

Notes

1. Total CVOC totals include PCE, TCE, cDCE, VC
2. Non-detects are shown as zero in the pie charts.

CVOC: chlorinated volatile organic compound
PCE: Tetrachloroethylene
TCE: Trichloroethylene
cDCE: Cis-1,2-Dichloroethylene
VC: Vinyl Chloride
Ln(TCVOC): natural log of the total CVOC value; used to normalize pie chart size



Figure 13



Time 1-Hour Cleaners

Comparison of PCE and Degradation Product Concentrations in Bedrock Groundwater

TABLES

Table 1
Investigation Location Summary
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Location ID	Installation Year	On-Site / Off-Site	Northing	Easting	Ground Surface Elevation (feet NAVD88)	TOC Elevation (feet NAVD88)	Casing Diameter (inches)	Depth to Bedrock (feet bgs)	Bedrock Elevation (feet NAVD88)	Total Depth (feet bgs)	Screened or Open Interval (feet bgs)	Screened Interval Elevation (feet NAVD88)	Screened In
Monitoring Wells and Piezometers													
MW-07	2018	on-Site	1128190.96	1028814.70	578.47	578.14	2" PVC	15.0	563.5	27.0	17.0 - 27.0	561.14 - 551.14	Bedrock
MW-08	2018	off-Site	1128098.97	1028848.82	578.66	578.40	2" PVC	15.7	563.0	27.8	17.8 - 27.8	560.86 - 550.86	Bedrock
MW-09	2018	off-Site	1127998.76	1028806.16	578.50	578.14	2" PVC	16.0	562.5	28.0	18.0 - 28.0	560.50 - 550.50	Bedrock
MW-10	2023	on-Site	1128127.23	1028780.20	578.37	578.30	2" PVC	16.0	562.4	28.1	17.5 - 27.5	560.87 - 550.87	Bedrock
MW-11	2023	on-Site	1128106.17	1028786.82	578.42	578.20	2" PVC	15.1	563.3	26.8	16.5 - 26.5	561.92 - 551.92	Bedrock
MW-12	2023	off-Site	1128019.29	1028808.67	578.38	578.03	2" PVC	16.6	561.8	28.8	18.0 - 28.0	560.38 - 550.38	Bedrock
MW-13	2023	off-Site	1128228.93	1028855.24	577.82	577.35	2" PVC	15.6	562.2	27.5	17.0 - 27.0	561.00 - 551.00	Bedrock
PZ-01	2023	on-Site	1128194.90	1028786.30	578.15	577.75	2" PVC	15.7	562.5	15.7	5.2 - 15.2	572.95 - 562.95	Overburden
PZ-02	2023	on-Site	1128149.27	1028779.17	578.54	578.04	2" PVC	15.7	562.8	15.7	5.2 - 15.2	573.34 - 563.34	Overburden
PZ-03	2023	off-Site	1128104.28	1028849.63	578.66	577.07	2" PVC	15.7	563.0	15.3	5.0 - 15.0	573.66 - 563.66	Overburden
Soil Borings													
MW-02	2014	on-Site	1128195.40	1028759.55	579.05	-	-	17.2	561.9	17.2	-	-	-
MW-04	2014	off-Site	1128233.93	1028771.72	578.23	-	-	16.0	562.2	16.0	-	-	-
MW-05	2014	off-Site	1128233.73	1028870.08	577.78	-	-	15.5	562.3	15.5	-	-	-
MW-06	2014	off-Site	1128012.80	1028804.36	578.50	-	-	16.8	561.7	16.8	-	-	-
SB-01†	2011	on-Site	1128188.0	1028770.1	578.8	-	-	-	-	16.0	-	-	-
SB-02†	2011	on-Site	1128187.3	1028760.3	578.8	-	-	-	-	16.0	-	-	-
SB-03†	2011	on-Site	1128223.8	1028762.1	578.8	-	-	-	-	16.0	-	-	-
SB-04†	2011	on-Site	1128195.3	1028766.1	578.8	-	-	-	-	16.0	-	-	-
SB-06	2014	off-Site	1128233.25	1028675.81	579.13	-	-	18.7	560.4	18.7	-	-	-
SB-07	2014	off-Site	1128232.89	1028722.55	578.95	-	-	17.2	561.8	17.2	-	-	-
SB-09	2014	off-Site	1128233.93	1028806.80	578.04	-	-	16.3	561.7	16.3	-	-	-
SB-10	2018	on-Site	1128142.73	1028791.03	578.59	-	-	16.0	562.6	16.0	-	-	-
SB-11†	2018	on-Site	1128137.8	1028809.2	571	-	-	-	-	4.0	-	-	-
SB-13†	2023	off-Site	1128220.2	1028836.7	578	-	-	15.6	562.4	15.6	-	-	-
Sub Slab System Wells													
SVE-01	2019	on-Site	1128106.59	1028796.08	571	-	4" PVC	5.0	566.0	5.0	~1.0 - 5.0	570 - 566	Overburden
SVE-02	2019	on-Site	1128118.74	1028797.63	571	-	4" PVC	-	-	5.0	~1.0 - 5.0	570 - 566	Overburden
SVE-03	2019	on-Site	1128136.97	1028796.25	571	-	4" PVC	4.1	566.9	4.1	~0.1 - 4.1	570.9 - 566.9	Overburden
PVE-01	2019	on-Site	1128112.57	1028815.41	571	-	4" PVC	-	-	5.0	~1.0 - 5.0	570 - 566	Overburden
PVE-02	2019	on-Site	1128131.80	1028815.51	571	-	4" PVC	-	-	5.0	~1.0 - 5.0	570 - 566	Overburden

Notes

- Horizontal Datum - North American Datum of 1983 (NAD83) New York State Plane (Western Zone) coordinate system (in feet);
Vertical Datum - North American Vertical Datum of 1988 (NAVD88)
 - Location coordinates as surveyed by Fisher Associates (7/24/2014 and 06/2018) and PJO Survey (6/11/24).
 - MW-01 and MW-03 were eliminated from the Phase I efforts following discussions with NYSDEC due to the presence of underground and overhead utilities.
 - PZ-03 borehole caved in making borehole depth 15.3 ft bgs.
 - Locations MW-02, MW-04, MW-05, and MW-06 were intended to be completed as monitoring wells in 2014. Due to lack of water, they were only completed as soil borings.
 - SB-05, SB-08, SB-10, were not completed in 2014 due to access issues and/or utility conflicts. SB-10 was drilled in 2018.
 - SB-12 sample location from Phase II RI workplan replaced with soil boring from PZ-03
- † Northing, Easting, and elevation are approximate. Locations were not surveyed.

Acronyms:

bgs: below ground surface
PVC: polyvinyl chloride
TOC: Top of casing

Table 2
2024 Groundwater Elevation Summary
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Well ID	On-Site / Off-Site	Reference Elevation (TOC)	3/18/2024		4/24/2024		5/14/2024		5/30/2024		7/3/2024	
			Depth to Water	Groundwater Elevation ¹	Depth to Water	Groundwater Elevation ¹	Depth to Water	Groundwater Elevation ¹	Depth to Water	Groundwater Elevation ¹	Depth to Water	Groundwater Elevation ¹
MW-07	On-Site	578.14	17.43	560.71	17.41	560.73	17.53	560.61	17.52	560.62	17.42	560.72
MW-08	Off-Site	578.40	17.72	560.68	17.60	560.80	17.79	560.61	17.90	560.50	17.61	560.79
MW-09	Off-Site	578.14	NM	NM	NM	NM	17.88	560.26	18.07	560.07	17.74	560.40
MW-10	On-Site	578.30	17.80	560.50	17.70	560.60	17.86	560.44	17.90	560.40	17.70	560.60
MW-11	On-Site	578.20	17.80	560.40	17.71	560.49	17.87	560.33	17.95	560.25	17.69	560.51
MW-12	Off-Site	578.03	17.72	560.31	17.68	560.35	17.80	560.23	17.85	560.18	17.66	560.37
MW-13	Off-Site	577.35	16.92	560.43	16.79	560.56	16.99	560.36	17.05	560.30	16.79	560.56
PZ-01	On-Site	577.75	4.93	572.82	5.02	572.73	5.85	571.90	6.05	571.70	5.55	572.20
PZ-02	On-Site	578.04	7.72	570.32	7.63	570.41	7.33	570.71	7.71	570.33	6.79	571.25
PZ-03	Off-Site	577.07	10.32	566.75	11.01	566.06	10.45	566.62	10.40	566.67	10.14	566.93
SVE-01	On-Site	571.00	NM	NM	NM	NM	1.10	569.90	NM	NM	0.55	570.45
SVE-02	On-Site	571.00	NM	NM	NM	NM	0.74	570.26	NM	NM	0.54	570.46
SVE-03	On-Site	571.00	NM	NM	NM	NM	0.84	570.16	NM	NM	0.66	570.34
PVE-01	On-Site	571.00	NM	NM	NM	NM	0.87	570.13	NM	NM	0.73	570.27
PVE-02	On-Site	571.00	NM	NM	NM	NM	1.97	569.03	NM	NM	0.66	570.34

- Notes**
- 1. Elevations are tied to the North American Vertical Datum of 1988 (NAVD88).
 - 2. Depth in feet as measured from TOC for MWs and PZs; from estimated slab elevation for SVE and PVE wells.

Acronyms

NM: not measured
TOC: Top of casing

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11
					Sample ID	MW-10-1.0-1.5	MW-10-8.0-10.0	MW-10-11.5-14.0	MW-11-0.5-1.0	MW-11-8.0-10.0	MW-11-12.0-13.0	MW-11-14.0-15.0
					Start Depth (ft)	1	8	11.5	0.5	8	12	14
					End Depth (ft)	1.5	10	14	1	10	13	15
					Sample Date	11/8/2023	11/8/2023	11/8/2023	11/3/2023	11/6/2023	11/6/2023	11/6/2023
					Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
VOCs												
1,2-Dibromo-3-Chloropropane	mg/kg	NS	NS	NS	0.0022 UJ	0.002 UJ	0.0016 UJ	0.0018 UJ	0.002 UJ	0.002 UJ	0.0016 UJ	0.0016 UJ
1,2-Dichloropropane	mg/kg	NS	NS	NS	0.0022 U	0.002 U	0.0016 U	0.0018 U	0.002 U	0.002 U	0.0016 U	0.0016 U
2-Hexanone	mg/kg	NS	NS	NS	0.022 U	0.02 U	0.016 U	0.018 U	0.02 U	0.02 U	0.016 U	0.016 U
Acetone	mg/kg	0.05	100	0.05	0.05 J	0.014 J	0.078 U	0.017 J	0.1 U	0.098 U	0.079 U	0.079 U
Benzene	mg/kg	0.06	4.8	0.06	0.0022 U	0.0015 J	0.00084 J	0.0018 U	0.002 U	0.002 U	0.001 J	0.001 J
Bromomethane	mg/kg	NS	NS	NS	0.011 UJ	0.01 UJ	0.0078 UJ	0.0092 UJ	0.01 UJ	0.0098 UJ	0.0079 UJ	0.0079 UJ
Chloroethane	mg/kg	NS	NS	NS	0.022 UJ	0.02 UJ	0.016 UJ	0.018 UJ	0.02 UJ	0.02 UJ	0.016 UJ	0.016 UJ
Chloromethane	mg/kg	NS	NS	NS	0.011 U	0.01 U	0.0078 U	0.0092 U	0.01 U	0.0098 U	0.0079 U	0.0079 U
Cis-1,2-Dichloroethylene	mg/kg	0.25	100	0.25	0.0022 U	0.002 U	0.0016 U	0.0018 U	0.002 U	0.002 U	0.0016 U	0.0016 U
Cyclohexane	mg/kg	NS	NS	NS	0.011 UJ	0.01 UJ	0.0078 UJ	0.0092 UJ	0.01 UJ	0.0098 UJ	0.0079 UJ	0.0079 UJ
Dichlorodifluoromethane	mg/kg	NS	NS	NS	0.022 U	0.02 U	0.016 U	0.018 U	0.02 U	0.02 U	0.016 U	0.016 U
Ethylbenzene	mg/kg	1	41	1	0.0022 U	0.0006 J	0.0016 U	0.0018 U	0.002 U	0.002 U	0.0016 U	0.0016 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	mg/kg	NS	NS	NS	0.022 U	0.02 U	0.016 U	0.018 U	0.02 U	0.02 U	0.016 U	0.016 U
Methylcyclohexane	mg/kg	NS	NS	NS	0.0043 U	0.004 U	0.00094 J	0.00083 J	0.004 U	0.0011 J	0.0034 U	0.0034 U
Methylene Chloride	mg/kg	0.05	100	0.05	0.022 U	0.02 U	0.016 U	0.018 U	0.02 U	0.02 U	0.016 U	0.016 U
Tert-Butyl Methyl Ether	mg/kg	0.93	100	0.93	0.0043 UJ	0.004 UJ	0.0031 UJ	0.0037 U	0.004 U	0.0039 U	0.0031 U	0.0031 U
Tetrachloroethylene (PCE)	mg/kg	1.3	19	1.3	0.0022 U	0.002 U	0.0016 U	0.002 U	0.002 U	0.002 U	0.0016 U	0.0016 U
Toluene	mg/kg	0.7	100	0.7	0.0022 U	0.0035 U	0.00084 J	0.0018 U	0.002 U	0.002 U	0.0019 U	0.0019 U
Trans-1,2-Dichloroethene	mg/kg	0.19	100	0.19	0.0022 U	0.002 U	0.0016 U	0.0018 U	0.002 U	0.002 U	0.0016 U	0.0016 U
Trichloroethylene (TCE)	mg/kg	0.47	21	0.47	0.0022 U	0.002 U	0.0016 U	0.0018 U	0.002 U	0.002 U	0.0016 U	0.0016 U
Trichlorofluoromethane	mg/kg	NS	NS	NS	0.011 U	0.01 U	0.0078 U	0.0092 UJ	0.01 U	0.0098 U	0.0079 U	0.0079 U
Vinyl Chloride	mg/kg	0.02	0.9	0.02	0.011 U	0.01 U	0.0078 U	0.0092 U	0.01 U	0.0098 U	0.0079 U	0.0079 U
Xylenes	mg/kg	0.26	100	1.6	0.0022 U	0.004 U	0.0016 U	0.0018 U	0.002 U	0.002 U	0.0019 U	0.0019 U
SVOCs												
1,2,4,5-Tetrachlorobenzene	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2,4,5-Trichlorophenol	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2,4,6-Trichlorophenol	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2,4-Dichlorophenol	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2,4-Dimethylphenol	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2,4-Dinitrophenol	mg/kg	NS	NS	NS	0.82 U	0.86 U	0.74 U	0.81 U	5.3 UJ	5 UJ	5 UJ	5 UJ
2,4-Dinitrotoluene	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2,6-Dinitrotoluene	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2-Chloronaphthalene	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2-Chlorophenol	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2-Methylnaphthalene	mg/kg	NS	NS	NS	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	1.3 U
2-Methylphenol (O-Cresol)	mg/kg	0.33	100	0.33	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
2-Nitroaniline	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 UJ	2.6 UJ	2.6 UJ	2.6 UJ
2-Nitrophenol	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
3- And 4- Methylphenol (Total)	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
3,3'-Dichlorobenzidine	mg/kg	NS	NS	NS	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	1.3 U
3-Nitroaniline	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
4,6-Dinitro-2-Methylphenol	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	2.6 U
4-Chloro-3-Methylphenol	mg/kg	NS	NS	NS	0.82 U	0.86 U	0.74 U	0.81 U	5.3 U	5 U	5 U	5 U

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11
					Sample ID	MW-10-1.0-1.5	MW-10-8.0-10.0	MW-10-11.5-14.0	MW-11-0.5-1.0	MW-11-8.0-10.0	MW-11-12.0-13.0	MW-11-14.0-15.0
					Start Depth (ft)	1	8	11.5	0.5	8	12	14
					End Depth (ft)	1.5	10	14	1	10	13	15
					Sample Date	11/8/2023	11/8/2023	11/8/2023	11/3/2023	11/6/2023	11/6/2023	11/6/2023
					Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
4-Chloroaniline	mg/kg	NS	NS	NS	0.82 U	0.86 U	0.74 U	0.81 U	5.3 U	5 U	5 U	
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
4-Nitroaniline	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
4-Nitrophenol	mg/kg	NS	NS	NS	0.82 U	0.86 U	0.74 U	0.81 U	5.3 U	5 U	5 U	
Acenaphthene	mg/kg	20	100	98	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Acenaphthylene	mg/kg	100	100	107	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Acetophenone	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Anthracene	mg/kg	100	100	1000	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Atrazine	mg/kg	NS	NS	NS	0.83 U	0.88 U	0.75 U	0.82 U	5.4 U	5.1 U	5.1 U	
Benzaldehyde	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Benzo(A)Anthracene	mg/kg	1	1	1	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Benzo(A)Pyrene	mg/kg	1	1	22	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Benzo(B)Fluoranthene	mg/kg	1	1	1.7	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Benzo(G,H,I)Perylene	mg/kg	100	100	1000	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Benzo(K)Fluoranthene	mg/kg	0.8	3.9	1.7	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Benzyl Butyl Phthalate	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Biphenyl (Diphenyl)	mg/kg	NS	NS	NS	0.83 U	0.88 U	0.75 U	0.82 U	5.4 U	5.1 U	5.1 U	
Bis(2-Chloroethoxy) Methane	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Bis(2-Chloroisopropyl) Ether	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Bis(2-Ethylhexyl) Phthalate	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Caprolactam	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Carbazole	mg/kg	NS	NS	NS	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Chrysene	mg/kg	1	3.9	1	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Dibenz(A,H)Anthracene	mg/kg	0.33	0.33	1000	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Dibenzofuran	mg/kg	7	59	210	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Diethyl Phthalate	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Dimethyl Phthalate	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Di-N-Butyl Phthalate	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Di-N-Octylphthalate	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Fluoranthene	mg/kg	100	100	1000	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Fluorene	mg/kg	30	100	386	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Hexachlorobenzene	mg/kg	0.33	1.2	3.2	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Hexachlorobutadiene	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Hexachlorocyclopentadiene	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Hexachloroethane	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5	8.2	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Isophorone	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Naphthalene	mg/kg	12	100	12	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Nitrobenzene	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
N-Nitrosodi-N-Propylamine	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
N-Nitrosodiphenylamine	mg/kg	NS	NS	NS	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Pentachlorophenol	mg/kg	0.8	6.7	0.8	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Phenanthrene	mg/kg	100	100	1000	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
Phenol	mg/kg	0.33	100	0.33	0.42 U	0.45 U	0.38 U	0.42 U	2.8 U	2.6 U	2.6 U	
Pyrene	mg/kg	100	100	1000	0.21 U	0.22 U	0.19 U	0.21 U	1.4 U	1.3 U	1.3 U	
1,4-Dioxane (P-Dioxane)	mg/kg	0.1	13	0.1	0.062 U	0.066 U	0.056 U	0.061 U	0.066 U	0.063 U	0.064 U	

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Location ID					MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11
Sample ID					MW-10-1.0-1.5	MW-10-8.0-10.0	MW-10-11.5-14.0	MW-11-0.5-1.0	MW-11-8.0-10.0	MW-11-12.0-13.0	MW-11-14.0-15.0
Start Depth (ft)					1	8	11.5	0.5	8	12	14
End Depth (ft)					1.5	10	14	1	10	13	15
Sample Date					11/8/2023	11/8/2023	11/8/2023	11/3/2023	11/6/2023	11/6/2023	11/6/2023
Sample Type Code					N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW							
PFAS											
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.78 U	0.78 U	0.79 U	0.8 U	0.79 U	0.78 U	0.78 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	ug/kg	NS	NS	NS	0.78 U	0.78 U	0.79 U	0.8 U	0.79 U	0.78 U	0.78 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	ug/kg	NS	NS	NS	0.78 U	0.78 U	0.79 U	0.8 U	0.79 U	0.78 U	0.78 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	ug/kg	NS	NS	NS	0.78 U	0.78 U	0.79 U	0.8 U	0.79 U	0.78 U	0.78 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	1.9 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	1.9 U
2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	NS	NS	NS	9.7 U	9.7 U	9.9 U	10 U	9.9 U	9.7 U	9.7 U
3-Perfluoroheptyl propanoic acid	ug/kg	NS	NS	NS	9.7 U	9.7 U	9.9 U	10 U	9.9 U	9.7 U	9.7 U
3-Perfluoropropyl propanoic acid	ug/kg	NS	NS	NS	1.9 U	1.9 U	2 U	2 U	2 U	1.9 U	1.9 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	NS	NS	NS	0.78 U	0.78 U	0.79 U	0.8 U	0.79 U	0.78 U	0.78 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.78 U	0.78 U	0.79 U	0.8 U	0.79 U	0.78 U	0.78 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ug/kg	NS	NS	NS	0.78 U	0.78 U	0.79 U	0.8 U	0.79 U	0.78 U	0.78 U
N-ethyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
N-methyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Nonafluoro-3,6-dioxahexanoic acid	ug/kg	NS	NS	NS	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U
Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	NS	NS	NS	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U
Perfluoro-3-methoxypropanoic acid	ug/kg	NS	NS	NS	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U
Perfluoro-4-methoxybutanoic acid	ug/kg	NS	NS	NS	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U	0.39 U	0.39 U
Perfluorobutanesulfonic acid (PFBS)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorobutanoic Acid	ug/kg	NS	NS	NS	0.27 J	0.78 U	0.79 U	0.15 J	0.43 J	0.2 J	0.78 U
Perfluorodecanesulfonic acid (PFDS)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorodecanoic acid (PFDA)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorododecanesulfonic acid (PFDOS)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorododecanoic acid (PFDoA)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluoroheptanoic acid (PFHpA)	ug/kg	NS	NS	NS	0.024 J	0.19 U	0.2 U	0.041 J	0.018 J	0.19 U	0.19 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	NS	NS	NS	0.083 J	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorohexanoic acid (PFHxA)	ug/kg	NS	NS	NS	0.053 J	0.19 U	0.2 U	0.051 J	0.2 U	0.19 U	0.19 U
Perfluorononanesulfonic acid (PFNS)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorononanoic acid (PFNA)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	44	3.7	0.26	0.19 U	0.2 U	1.1	0.2 U	0.19 U	0.19 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	33	1.1	0.055 J	0.19 U	0.2 U	0.2 J	0.2 U	0.19 U	0.19 U
Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluoropentanoic Acid (PFPeA)	ug/kg	NS	NS	NS	0.054 J	0.029 J	0.027 J	0.078 J	0.05 J	0.39 U	0.029 J
Perfluorotetradecanoic acid (PFTA)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U
Perfluoroundecanoic Acid (PFUnA)	ug/kg	NS	NS	NS	0.19 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.19 U

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11
					Sample ID	MW-10-1.0-1.5	MW-10-8.0-10.0	MW-10-11.5-14.0	MW-11-0.5-1.0	MW-11-8.0-10.0	MW-11-12.0-13.0	MW-11-14.0-15.0
					Start Depth (ft)	1	8	11.5	0.5	8	12	14
					End Depth (ft)	1.5	10	14	1	10	13	15
					Sample Date	11/8/2023	11/8/2023	11/8/2023	11/3/2023	11/6/2023	11/6/2023	11/6/2023
					Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
Metals												
Aluminum	mg/kg	NS	NS	NS	26000		16000	4800	19000	18000	11000	11000
Antimony	mg/kg	NS	NS	NS	2.1 UJ	2.2 U	2.2 U	1.8 U	2 U	2.2 U	2 U	2.1 U
Arsenic	mg/kg	13	16	16	5	4.4 J	2.1 J	8.5	4 J	2.9 J	3.6 J	
Barium	mg/kg	350	400	820	110	94	54	83	110	89	86	
Beryllium	mg/kg	7.2	72	47	1.1	0.82	0.29	0.95	0.84	0.58	0.56	
Cadmium	mg/kg	2.5	4.3	7.5	0.41 U	0.44 U	1	0.21 J	0.45 U	0.27 J	0.26 J	
Calcium	mg/kg	NS	NS	NS	3100	50000	120000	7200	56000	62000	79000	
Chromium, Total ³	mg/kg	30	180	NS	32 J	23	6.5	40	24	15	16	
Cobalt	mg/kg	NS	NS	NS	9.2	9.9	3.3	14	12	8.2	6.5	
Copper	mg/kg	50	270	1720	24	21	12	18	16	16	20	
Cyanide	mg/kg	27	27	40	0.61 U	0.56 U	0.54 U	0.67	0.49 U	0.49 U	1.3	
Iron	mg/kg	NS	NS	NS	45000	34000	12000	51000	23000	17000	17000	
Lead	mg/kg	63	400	450	12 J	7.5	22	29	7.9	10	13	
Magnesium	mg/kg	NS	NS	NS	6400	14000	53000	6000	14000	22000	37000	
Manganese	mg/kg	1600	2000	2000	330	470	530	1000	620	620	560	
Nickel	mg/kg	30	310	130	28	25	7.2	21	25	18	16	
Potassium	mg/kg	NS	NS	NS	2800	3200	1100	2000	3400	2300	1800	
Selenium	mg/kg	3.9	180	4	4.1 UJ	4.4 U	3.7 U	4 U	4.5 U	4 U	4.1 U	
Silver	mg/kg	2	180	8.3	0.41 U	0.44 U	0.37 U	3.2	0.45 U	0.4 U	0.41 U	
Sodium	mg/kg	NS	NS	NS	81 J	160 J	160 J	150 J	190 J	160 J	170 J	
Thallium	mg/kg	NS	NS	NS	2.1 UJ	2.2 U	1.8 U	2 U	2.2 U	2 U	2.1 U	
Vanadium	mg/kg	NS	NS	NS	37	30	10	45	32	20	21	
Zinc	mg/kg	109	10000	2480	80	58	240	87	58	85	85	
Mercury	mg/kg	0.18	0.81	0.73	0.09	0.022 J	0.015 J	0.75	0.034 U	0.031 U	0.09	
Pesticides												
Endrin Aldehyde	mg/kg	NS	NS	NS	0.0099 U	0.01 U	0.009 U	0.0098 U	0.0041 J	0.01 U	0.01 U	
P,P'-DDT	mg/kg	0.0033	7.9	136	0.005 U	0.0051 U	0.0045 U	0.0049 U	0.0053 U	0.0051 U	0.005 U	
Other												
Total Solids	%	NS	NS	NS	81.1	77.6	91	77.2	78.5	78.5	82.5	
Herbicides (No Detections)												
PCBS (No Detections)												

Notes:

- Soil Cleanup Objectives (SCOs) from 6 NYCRR Part 375 Environmental Remediation Programs Subpart 375-6, December 2006
 - PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, April 2023.
 - Since there are no standards for Total Chromium, the criteria for Trivalent Chromium has been applied.
- 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

- Value exceeds the NYCRR Unrestricted Use SCOs

- Value exceeds the NYCRR Restricted Residential Use SCOs

- Value exceeds NYCRR Protection of Groundwater SCOs

NS = no standard for that given compound

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13
					Sample ID	MW-12-1.5-2.0	MW-12-1.5-2.0-D	MW-12-8.0-10.0	MW-12-13.0-15.0	MW-13-1.3-1.8	MW-13-8.0-10.0	MW-13-11.0-13.0
					Start Depth (ft)	1.5	1.5	8	13	1.3	8	11
					End Depth (ft)	2	2	10	15	1.8	10	13
					Sample Date	11/15/2023	11/15/2023	11/15/2023	11/15/2023	11/7/2023	11/9/2023	11/9/2023
					Sample Type Code	N	FD	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
VOCs												
1,2-Dibromo-3-Chloropropane	mg/kg	NS	NS	NS	0.002 UJ	0.0021 UJ	0.0021 UJ	0.0017 UJ	0.0026 UJ	0.002 UJ	0.0014 UJ	
1,2-Dichloropropane	mg/kg	NS	NS	NS	0.002 U	0.0021 U	0.0021 U	0.0017 U	0.0026 U	0.002 U	0.0014 U	
2-Hexanone	mg/kg	NS	NS	NS	0.02 U	0.021 U	0.021 U	0.017 U	0.026 U	0.02 U	0.014 U	
Acetone	mg/kg	0.05	100	0.05	0.021 J	0.0098 J	0.11 U	0.086 U	0.014 J	0.1 U	0.0082 J	
Benzene	mg/kg	0.06	4.8	0.06	0.002 U	0.0021 U	0.00072 J	0.0017 U	0.0026 U	0.00081 J	0.0014 U	
Bromomethane	mg/kg	NS	NS	NS	0.01 UJ	0.011 UJ	0.011 UJ	0.0086 UJ	0.013 UJ	0.01 UJ	0.0072 UJ	
Chloroethane	mg/kg	NS	NS	NS	0.02 U	0.021 U	0.021 U	0.017 U	0.026 UJ	0.02 UJ	0.014 UJ	
Chloromethane	mg/kg	NS	NS	NS	0.01 U	0.011 U	0.011 U	0.0086 U	0.013 U	0.01 U	0.0072 U	
Cis-1,2-Dichloroethylene	mg/kg	0.25	100	0.25	0.002 U	0.0021 U	0.0021 U	0.0016 J	0.0026 U	0.002 U	0.0014 U	
Cyclohexane	mg/kg	NS	NS	NS	0.01 UJ	0.011 UJ	0.011 UJ	0.0086 UJ	0.013 UJ	0.01 UJ	0.0072 UJ	
Dichlorodifluoromethane	mg/kg	NS	NS	NS	0.02 UJ	0.021 UJ	0.021 UJ	0.017 UJ	0.026 U	0.02 U	0.014 U	
Ethylbenzene	mg/kg	1	41	1	0.002 U	0.0021 U	0.0021 U	0.0017 U	0.0026 U	0.002 U	0.0014 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	mg/kg	NS	NS	NS	0.02 U	0.021 U	0.021 U	0.017 U	0.026 U	0.02 U	0.014 U	
Methylcyclohexane	mg/kg	NS	NS	NS	0.0023 J	0.0043 U	0.001 J	0.0035 U	0.0051 U	0.00099 J	0.0029 U	
Methylene Chloride	mg/kg	0.05	100	0.05	0.02 U	0.021 U	0.021 U	0.017 U	0.026 U	0.02 U	0.014 U	
Tert-Butyl Methyl Ether	mg/kg	0.93	100	0.93	0.0041 UJ	0.0043 UJ	0.0042 UJ	0.0035 UJ	0.0051 U	0.004 UJ	0.0029 UJ	
Tetrachloroethylene (PCE)	mg/kg	1.3	19	1.3	0.0012 J	0.0021 UJ	0.0021 UJ	0.0017 UJ	0.0026 U	0.002 U	0.0014 U	
Toluene	mg/kg	0.7	100	0.7	0.001 J	0.0021 U	0.0014 J	0.0017 U	0.0026 U	0.0014 J	0.0014 U	
Trans-1,2-Dichloroethene	mg/kg	0.19	100	0.19	0.002 U	0.0021 U	0.0021 U	0.0017 U	0.0026 U	0.002 U	0.0014 U	
Trichloroethylene (TCE)	mg/kg	0.47	21	0.47	0.0012 J	0.0021 U	0.0021 U	0.0017 U	0.0026 U	0.002 U	0.0014 U	
Trichlorofluoromethane	mg/kg	NS	NS	NS	0.01 U	0.011 U	0.011 U	0.0086 U	0.013 U	0.01 U	0.0072 U	
Vinyl Chloride	mg/kg	0.02	0.9	0.02	0.01 U	0.011 U	0.011 U	0.0086 U	0.013 U	0.01 U	0.0072 U	
Xylenes	mg/kg	0.26	100	1.6	0.002 U	0.0021 U	0.0021 U	0.0017 U	0.0026 U	0.002 U	0.0014 U	
SVOCs												
1,2,4,5-Tetrachlorobenzene	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2,4,5-Trichlorophenol	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2,4,6-Trichlorophenol	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2,4-Dichlorophenol	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2,4-Dimethylphenol	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2,4-Dinitrophenol	mg/kg	NS	NS	NS	0.83 U	0.82 U	0.85 U	1.6 U	5.1 U	0.87 U	1.7 U	
2,4-Dinitrotoluene	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2,6-Dinitrotoluene	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2-Chloronaphthalene	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2-Chlorophenol	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2-Methylnaphthalene	mg/kg	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
2-Methylphenol (O-Cresol)	mg/kg	0.33	100	0.33	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
2-Nitroaniline	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 UJ	0.45 U	0.86 U	
2-Nitrophenol	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
3- And 4- Methylphenol (Total)	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
3,3'-Dichlorobenzidine	mg/kg	NS	NS	NS	0.21 UJ	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
3-Nitroaniline	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
4,6-Dinitro-2-Methylphenol	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
4-Chloro-3-Methylphenol	mg/kg	NS	NS	NS	0.83 U	0.82 U	0.85 U	1.6 U	5.1 U	0.87 U	1.7 U	

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13
					Sample ID	MW-12-1.5-2.0	MW-12-1.5-2.0-D	MW-12-8.0-10.0	MW-12-13.0-15.0	MW-13-1.3-1.8	MW-13-8.0-10.0	MW-13-11.0-13.0
					Start Depth (ft)	1.5	1.5	8	13	1.3	8	11
					End Depth (ft)	2	2	10	15	1.8	10	13
					Sample Date	11/15/2023	11/15/2023	11/15/2023	11/15/2023	11/7/2023	11/9/2023	11/9/2023
					Sample Type Code	N	FD	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
4-Chloroaniline	mg/kg	NS	NS	NS	0.83 UJ	0.82 U	0.85 U	1.6 U	5.1 U	0.87 U	1.7 U	
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
4-Nitroaniline	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
4-Nitrophenol	mg/kg	NS	NS	NS	0.83 U	0.82 U	0.85 U	1.6 U	5.1 UJ	0.87 U	1.7 U	
Acenaphthene	mg/kg	20	100	98	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Acenaphthylene	mg/kg	100	100	107	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Acetophenone	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Anthracene	mg/kg	100	100	1000	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Atrazine	mg/kg	NS	NS	NS	0.85 UJ	0.84 UJ	0.87 UJ	1.6 UJ	5.2 UJ	0.89 UJ	1.7 UJ	
Benzaldehyde	mg/kg	NS	NS	NS	0.43 UJ	0.42 UJ	0.44 UJ	0.81 UJ	2.6 UJ	0.45 UJ	0.86 UJ	
Benzo(A)Anthracene	mg/kg	1	1	1	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Benzo(A)Pyrene	mg/kg	1	1	22	0.078 J	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Benzo(B)Fluoranthene	mg/kg	1	1	1.7	0.12 J	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Benzo(G,H,I)Perylene	mg/kg	100	100	1000	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Benzo(K)Fluoranthene	mg/kg	0.8	3.9	1.7	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Benzyl Butyl Phthalate	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Biphenyl (Diphenyl)	mg/kg	NS	NS	NS	0.85 U	0.84 U	0.87 U	1.6 U	5.2 U	0.89 U	1.7 U	
Bis(2-Chloroethoxy) Methane	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Bis(2-Chloroisopropyl) Ether	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 UJ	0.45 U	0.86 U	
Bis(2-Ethylhexyl) Phthalate	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Caprolactam	mg/kg	NS	NS	NS	0.43 UJ	0.42 UJ	0.44 UJ	0.81 UJ	2.6 UJ	0.45 UJ	0.86 UJ	
Carbazole	mg/kg	NS	NS	NS	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Chrysene	mg/kg	1	3.9	1	0.094 J	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Dibenz(A,H)Anthracene	mg/kg	0.33	0.33	1000	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Dibenzofuran	mg/kg	7	59	210	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Diethyl Phthalate	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Dimethyl Phthalate	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Di-N-Butyl Phthalate	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Di-N-Octylphthalate	mg/kg	NS	NS	NS	0.43 UJ	0.42 UJ	0.44 UJ	0.81 UJ	2.6 U	0.45 U	0.86 U	
Fluoranthene	mg/kg	100	100	1000	0.15 J	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Fluorene	mg/kg	30	100	386	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Hexachlorobenzene	mg/kg	0.33	1.2	3.2	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Hexachlorobutadiene	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Hexachlorocyclopentadiene	mg/kg	NS	NS	NS	0.43 UJ	0.42 U	0.44 U	0.81 U	2.6 UJ	0.45 U	0.86 U	
Hexachloroethane	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 UJ	0.86 UJ	
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5	8.2	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Isophorone	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Naphthalene	mg/kg	12	100	12	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Nitrobenzene	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
N-Nitrosodi-N-Propylamine	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
N-Nitrosodiphenylamine	mg/kg	NS	NS	NS	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Pentachlorophenol	mg/kg	0.8	6.7	0.8	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Phenanthrene	mg/kg	100	100	1000	0.21 U	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
Phenol	mg/kg	0.33	100	0.33	0.43 U	0.42 U	0.44 U	0.81 U	2.6 U	0.45 U	0.86 U	
Pyrene	mg/kg	100	100	1000	0.12 J	0.21 U	0.22 U	0.41 U	1.3 U	0.22 U	0.43 U	
1,4-Dioxane (P-Dioxane)	mg/kg	0.1	13	0.1	0.062 U	0.062 U	0.064 UJ	0.059 U	0.064 U	0.066 U	0.064 U	

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13
					Sample ID	MW-12-1.5-2.0	MW-12-1.5-2.0-D	MW-12-8.0-10.0	MW-12-13.0-15.0	MW-13-1.3-1.8	MW-13-8.0-10.0	MW-13-11.0-13.0
					Start Depth (ft)	1.5	1.5	8	13	1.3	8	11
					End Depth (ft)	2	2	10	15	1.8	10	13
					Sample Date	11/15/2023	11/15/2023	11/15/2023	11/15/2023	11/7/2023	11/9/2023	11/9/2023
					Sample Type Code	N	FD	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
PFAS												
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.78 U	0.78 U	0.8 U	0.79 U	0.8 U	0.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.78 U	0.78 U	0.8 U	0.79 U	0.8 U	0.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.78 U	0.78 U	0.8 U	0.79 U	0.8 U	0.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	ug/kg	NS	NS	NS	0.2 J	0.79 U	0.78 U	0.78 U	0.8 U	0.48 J	0.79 U	0.8 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	NS	NS	NS	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.9 U	9.9 U	10 U
3-Perfluoroheptyl propanoic acid	ug/kg	NS	NS	NS	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.9 U	9.9 U	10 U
3-Perfluoropropyl propanoic acid	ug/kg	NS	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.78 U	0.78 U	0.8 U	0.79 U	0.8 U	0.8 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.78 U	0.78 U	0.8 U	0.79 U	0.8 U	0.8 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.78 U	0.78 U	0.8 U	0.79 U	0.8 U	0.8 U
N-ethyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
N-methyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nonafluoro-3,6-dioxaheptanoic acid	ug/kg	NS	NS	NS	0.39 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U	0.4 U
Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	NS	NS	NS	0.39 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U	0.4 U
Perfluoro-3-methoxypropanoic acid	ug/kg	NS	NS	NS	0.39 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U	0.4 U
Perfluoro-4-methoxybutanoic acid	ug/kg	NS	NS	NS	0.39 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U	0.4 U
Perfluorobutanesulfonic acid (PFBS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorobutanoic Acid	ug/kg	NS	NS	NS	0.26 J	0.79 U	0.78 U	0.78 U	0.16 J	0.79 U	0.25 J	0.25 J
Perfluorodecanesulfonic acid (PFDS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorodecanoic acid (PFDA)	ug/kg	NS	NS	NS	0.2 U	0.036 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorododecanesulfonic acid (PFDOS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorododecanoic acid (PFDoA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluoroheptanoic acid (PFHpA)	ug/kg	NS	NS	NS	0.066 J	0.073 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorohexanoic acid (PFHxA)	ug/kg	NS	NS	NS	0.11 J	0.11 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorononanesulfonic Acid (PFNS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorononanoic acid (PFNA)	ug/kg	NS	NS	NS	0.12 J	0.11 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	44	3.7	0.64	0.57	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	33	1.1	0.3	0.28	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluoropentanoic Acid (PFPeA)	ug/kg	NS	NS	NS	0.12 J	0.13 J	0.039 J	0.043 J	0.034 J	0.4 U	0.031 J	0.031 J
Perfluorotetradecanoic acid (PFTA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Perfluoroundecanoic Acid (PFUnA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-12	MW-12	MW-12	MW-12	MW-13	MW-13	MW-13
					Sample ID	MW-12-1.5-2.0	MW-12-1.5-2.0-D	MW-12-8.0-10.0	MW-12-13.0-15.0	MW-13-1.3-1.8	MW-13-8.0-10.0	MW-13-11.0-13.0
					Start Depth (ft)	1.5	1.5	8	13	1.3	8	11
					End Depth (ft)	2	2	10	15	1.8	10	13
					Sample Date	11/15/2023	11/15/2023	11/15/2023	11/15/2023	11/7/2023	11/9/2023	11/9/2023
					Sample Type Code	N	FD	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
Metals												
Aluminum	mg/kg	NS	NS	NS	23000		25000	15000	12000	29000	12000	12000
Antimony	mg/kg	NS	NS	NS	2 UJ	2	2 U	2.1 U	1.9 U	2.1 U	2.1 U	2.1 U
Arsenic	mg/kg	13	16	16	4.5	6.4	6	2.9 J	3 J	9.9	3.3 J	
Barium	mg/kg	350	400	820	100	87	81	86	160	120	92	
Beryllium	mg/kg	7.2	72	47	0.67	0.78	0.69	0.58	1.2	0.63	0.6	
Cadmium	mg/kg	2.5	4.3	7.5	0.33 J	0.19 J	0.41 U	0.39	0.42 U	0.42 U	0.23 J	
Calcium	mg/kg	NS	NS	NS	4000	3500	75000	56000	4800	57000	52000	
Chromium, Total ³	mg/kg	30	180	NS	29	30	20	16	31	18	17	
Cobalt	mg/kg	NS	NS	NS	10	8.8	11	7.5	12	9.4	9	
Copper	mg/kg	50	270	1720	19	25	27	18	26	18	20	
Cyanide	mg/kg	27	27	40	0.58 U	0.57 U	0.63 U	0.54 U	0.58 U	0.5 U	0.52 U	
Iron	mg/kg	NS	NS	NS	37000	42000	33000	17000	39000	30000	24000	
Lead	mg/kg	63	400	450	15 J	16	7.1	12	9.5	6	9.5	
Magnesium	mg/kg	NS	NS	NS	5900	6100	12000	23000	8500	13000	17000	
Manganese	mg/kg	1600	2000	2000	380	270	870	480	560	590	560	
Nickel	mg/kg	30	310	130	23	25	24	18	35	22	20	
Potassium	mg/kg	NS	NS	NS	2300	2300	2400	2300	2500	2300	2300	
Selenium	mg/kg	3.9	180	4	4 U	4 U	4.1 U	3.8 U	4.2 U	4.2 U	4.1 U	
Silver	mg/kg	2	180	8.3	0.4 U	0.4 U	0.41 U	0.38 U	2.6	0.42 U	0.41 U	
Sodium	mg/kg	NS	NS	NS	170 J	180 J	240	220	270	180 J	160 J	
Thallium	mg/kg	NS	NS	NS	2 UJ	2 U	2.1 U	1.9 U	2.1 U	2.1 U	2.1 U	
Vanadium	mg/kg	NS	NS	NS	36	36	27	20	37	25	22	
Zinc	mg/kg	109	10000	2480	65	66	46	91	73	46	68	
Mercury	mg/kg	0.18	0.81	0.73	0.061	0.031 J	0.032 U	0.03 U	0.027 J	0.03 U	0.028 U	
Pesticides												
Endrin Aldehyde	mg/kg	NS	NS	NS	0.0096 U	0.048 U	0.01 U	0.0096 U	0.01 U	0.011 U	0.01 U	
P,P'-DDT	mg/kg	0.0033	7.9	136	0.0048 UJ	0.024 UJ	0.005 UJ	0.0048 UJ	0.0051 U	0.0053 U	0.0051 U	
Other												
Total Solids	%	NS	NS	NS	78	78.8	80.6	80.9	77.7	75.4	76.3	
Herbicides (No Detections)												
PCBS (No Detections)												

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.
 3. Since there are no standards for Total Chromium, the criteria for Trivalent Chromium has been applied.
- 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

- Value exceeds the NYCRR Unrestricted Use SCOs

- Value exceeds the NYCRR Restricted Residential Use SCOs

- Value exceeds NYCRR Protection of Groundwater SCOs

NS = no standard for that given compound

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-13	PZ-01	PZ-01	PZ-01	PZ-01	PZ-01	PZ-02	PZ-02
					Sample ID	MW-13-13.0-15.3	PZ-01-1.5-2.0	PZ-01-8.0-10.0	PZ-01-11.0-13.0	PZ-01-13.0-15.0	PZ-01-13.0-15.0	PZ-02-1.7-2.2	PZ-02-8.0-10.0
					Start Depth (ft)	13	1.5	8	11	13	13	1.7	8
					End Depth (ft)	15.3	2	10	13	15	15	2.2	10
					Sample Date	11/9/2023	11/2/2023	11/3/2023	11/3/2023	11/3/2023	11/3/2023	11/10/2023	11/13/2023
					Sample Type Code	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW									
VOCs													
1,2-Dibromo-3-Chloropropane	mg/kg	NS	NS	NS	0.0017 UJ	0.0018 UJ	4.8 UJ	4.4 UJ	2.4 U	0.002 UJ	0.0021 UJ		
1,2-Dichloropropane	mg/kg	NS	NS	NS	0.0017 U	0.0018 U	0.97 U	0.87 U	0.48 U	0.002 U	0.0021 U		
2-Hexanone	mg/kg	NS	NS	NS	0.017 U	0.018 U	9.7 UJ	8.7 UJ	4.8 U	0.02 U	0.021 U		
Acetone	mg/kg	0.05	100	0.05	0.084 U	0.0088 J	48 UJ	44 UJ	24 U	0.01 J	0.1 U		
Benzene	mg/kg	0.06	4.8	0.06	0.0017 U	0.0018 U	0.97 U	0.87 U	0.48 U	0.0011 J	0.00069 J		
Bromomethane	mg/kg	NS	NS	NS	0.0084 UJ	0.0091 UJ	1.9 UJ	1.7 UJ	0.95 UJ	0.0099 UJ	0.01 UJ		
Chloroethane	mg/kg	NS	NS	NS	0.017 UJ	0.018 UJ	1.9 U	1.7 U	0.95 U	0.02 UJ	0.021 U		
Chloromethane	mg/kg	NS	NS	NS	0.0084 U	0.0091 U	1.9 UJ	1.7 UJ	0.95 U	0.0099 U	0.01 U		
Cis-1,2-Dichloroethylene	mg/kg	0.25	100	0.25	0.0017 U	0.0073 J	1.5 J	0.59 J	0.69 J	0.002 U	0.0021 U		
Cyclohexane	mg/kg	NS	NS	NS	0.0084 UJ	0.0091 U	1.9 U	1.7 U	0.95 U	0.0099 U	0.01 UJ		
Dichlorodifluoromethane	mg/kg	NS	NS	NS	0.017 U	0.018 U	1.9 U	1.7 U	0.95 U	0.02 U	0.021 UJ		
Ethylbenzene	mg/kg	1	41	1	0.0017 U	0.0018 U	0.97 U	0.87 U	0.48 U	0.002 U	0.0021 U		
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	mg/kg	NS	NS	NS	0.017 U	0.018 U	9.7 UJ	8.7 UJ	4.8 U	0.02 U	0.021 U		
Methylcyclohexane	mg/kg	NS	NS	NS	0.00071 J	0.0037 U	0.97 U	0.87 U	0.48 U	0.0039 U	0.0042 U		
Methylene Chloride	mg/kg	0.05	100	0.05	0.017 U	0.018 U	4.8 U	4.4 U	2.4 U	0.02 U	0.021 U		
Tert-Butyl Methyl Ether	mg/kg	0.93	100	0.93	0.0034 UJ	0.0037 U	0.97 U	0.87 U	0.48 U	0.0039 U	0.0042 U		
Tetrachloroethylene (PCE)	mg/kg	1.3	19	1.3	0.0017 U	0.28 J	44 J	24 J	16 J	0.002 U	0.007 J		
Toluene	mg/kg	0.7	100	0.7	0.00069 J	0.0018 U	0.97 U	0.87 U	0.48 U	0.00077 J	0.0021 U		
Trans-1,2-Dichloroethene	mg/kg	0.19	100	0.19	0.0017 U	0.0018 U	0.97 U	0.87 U	0.48 U	0.002 U	0.0021 U		
Trichloroethylene (TCE)	mg/kg	0.47	21	0.47	0.0017 U	0.025 J	5.2 J	3.2 J	3.1 J	0.002 U	0.0021 U		
Trichlorofluoromethane	mg/kg	NS	NS	NS	0.0084 U	0.0091 UJ	1.9 U	1.7 U	0.95 U	0.0099 UJ	0.01 U		
Vinyl Chloride	mg/kg	0.02	0.9	0.02	0.0084 U	0.0091 U	1.9 U	1.7 U	0.95 U	0.0099 U	0.01 U		
Xylenes	mg/kg	0.26	100	1.6	0.0017 U	0.0018 U	0.97 U	0.87 U	0.48 U	0.002 U	0.0021 U		
SVOCs													
1,2,4,5-Tetrachlorobenzene	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2,4,5-Trichlorophenol	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2,4,6-Trichlorophenol	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2,4-Dichlorophenol	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2,4-Dimethylphenol	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2,4-Dinitrophenol	mg/kg	NS	NS	NS	0.77 U	0.83 U	0.76 U	0.73 U	0.72 U	0.83 U	0.85 U		
2,4-Dinitrotoluene	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2,6-Dinitrotoluene	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2-Chloronaphthalene	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2-Chlorophenol	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2-Methylnaphthalene	mg/kg	NS	NS	NS	0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U		
2-Methylphenol (O-Cresol)	mg/kg	0.33	100	0.33	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2-Nitroaniline	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
2-Nitrophenol	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
3- And 4- Methylphenol (Total)	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
3,3'-Dichlorobenzidine	mg/kg	NS	NS	NS	0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U		
3-Nitroaniline	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
4,6-Dinitro-2-Methylphenol	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U		
4-Chloro-3-Methylphenol	mg/kg	NS	NS	NS	0.77 U	0.83 U	0.76 U	0.73 U	0.72 U	0.83 U	0.85 U		

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED	NYSDEC PAR T375 PGW	Location ID	MW-13	PZ-01	PZ-01	PZ-01	PZ-01	PZ-02	PZ-02
					Sample ID	MW-13-13.0-15.3	PZ-01-1.5-2.0	PZ-01-8.0-10.0	PZ-01-11.0-13.0	PZ-01-13.0-15.0	PZ-02-1.7-2.2	PZ-02-8.0-10.0
					Start Depth (ft)	13	1.5	8	11	13	1.7	8
					End Depth (ft)	15.3	2	10	13	15	2.2	10
					Sample Date	11/9/2023	11/2/2023	11/3/2023	11/3/2023	11/3/2023	11/10/2023	11/13/2023
					Sample Type Code	N	N	N	N	N	N	N
4-Chloroaniline	mg/kg	NS	NS	NS		0.77 U	0.83 U	0.76 U	0.73 U	0.72 U	0.83 U	0.85 U
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
4-Nitroaniline	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
4-Nitrophenol	mg/kg	NS	NS	NS		0.77 U	0.83 U	0.76 U	0.73 U	0.72 U	0.83 U	0.85 U
Acenaphthene	mg/kg	20	100	98		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Acenaphthylene	mg/kg	100	100	107		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Acetophenone	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Anthracene	mg/kg	100	100	1000		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Atrazine	mg/kg	NS	NS	NS		0.78 U	0.84 U	0.77 U	0.74 U	0.73 U	0.84 U	0.86 U
Benzaldehyde	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Benzo(A)Anthracene	mg/kg	1	1	1		0.2 U	0.089 J	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Benzo(A)Pyrene	mg/kg	1	1	22		0.2 U	0.08 J	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Benzo(B)Fluoranthene	mg/kg	1	1	1.7		0.2 U	0.12 J	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Benzo(G,H,I)Perylene	mg/kg	100	100	1000		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Benzo(K)Fluoranthene	mg/kg	0.8	3.9	1.7		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Benzyl Butyl Phthalate	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Biphenyl (Diphenyl)	mg/kg	NS	NS	NS		0.78 U	0.84 U	0.77 U	0.74 U	0.73 U	0.84 U	0.86 U
Bis(2-Chloroethoxy) Methane	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Bis(2-Chloroisopropyl) Ether	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Bis(2-Ethylhexyl) Phthalate	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.11 J	0.44 U
Caprolactam	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Carbazole	mg/kg	NS	NS	NS		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Chrysene	mg/kg	1	3.9	1		0.2 U	0.088 J	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Dibenz(A,H)Anthracene	mg/kg	0.33	0.33	1000		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Dibenzofuran	mg/kg	7	59	210		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Diethyl Phthalate	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Dimethyl Phthalate	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Di-N-Butyl Phthalate	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Di-N-Octylphthalate	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Fluoranthene	mg/kg	100	100	1000		0.2 U	0.16 J	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Fluorene	mg/kg	30	100	386		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Hexachlorobenzene	mg/kg	0.33	1.2	3.2		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Hexachlorobutadiene	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Hexachlorocyclopentadiene	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Hexachloroethane	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5	8.2		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Isophorone	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Naphthalene	mg/kg	12	100	12		0.2 U	0.21 U	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Nitrobenzene	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
N-Nitrosodi-N-Propylamine	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
N-Nitrosodiphenylamine	mg/kg	NS	NS	NS		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Pentachlorophenol	mg/kg	0.8	6.7	0.8		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Phenanthrene	mg/kg	100	100	1000		0.2 U	0.13 J	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
Phenol	mg/kg	0.33	100	0.33		0.4 U	0.43 U	0.39 U	0.38 U	0.37 U	0.43 U	0.44 U
Pyrene	mg/kg	100	100	1000		0.2 U	0.12 J	0.2 U	0.19 U	0.18 U	0.21 U	0.22 U
1,4-Dioxane (P-Dioxane)	mg/kg	0.1	13	0.1		0.058 U	0.063 U	0.058 U	0.055 U	0.054 U	0.064 U	0.62

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-13	PZ-01	PZ-01	PZ-01	PZ-01	PZ-02	PZ-02
					Sample ID	MW-13-13.0-15.3	PZ-01-1.5-2.0	PZ-01-8.0-10.0	PZ-01-11.0-13.0	PZ-01-13.0-15.0	PZ-02-1.7-2.2	PZ-02-8.0-10.0
					Start Depth (ft)	13	1.5	8	11	13	1.7	8
					End Depth (ft)	15.3	2	10	13	15	2.2	10
					Sample Date	11/9/2023	11/2/2023	11/3/2023	11/3/2023	11/3/2023	11/10/2023	11/13/2023
					Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
PFAS												
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.77 U	0.79 U	0.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.77 U	0.79 U	0.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.77 U	0.79 U	0.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	ug/kg	NS	NS	NS	0.79 U	0.51 J	0.79 U	0.79 U	0.79 U	0.77 U	0.79 U	0.8 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	2 U	2 U	2 U	2 U	2 U	1.9 U	2 U	2 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	2 U	2 U	2 U	2 U	2 U	1.9 U	2 U	2 U
2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	NS	NS	NS	9.9 U	9.8 U	9.8 U	9.8 U	9.9 U	9.7 U	9.9 U	9.9 U
3-Perfluoroheptyl propanoic acid	ug/kg	NS	NS	NS	9.9 U	9.8 U	9.8 U	9.8 U	9.9 U	9.7 U	9.9 U	9.9 U
3-Perfluoropropyl propanoic acid	ug/kg	NS	NS	NS	2 U	2 U	2 U	2 U	2 U	1.9 U	2 U	2 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.77 U	0.79 U	0.8 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.77 U	0.79 U	0.8 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ug/kg	NS	NS	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.8 U	0.77 U	0.79 U	0.8 U
N-ethyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
N-methyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Nonafluoro-3,6-dioxahexanoic acid	ug/kg	NS	NS	NS	0.4 U	0.39 U	0.39 U	0.39 U	0.4 U	0.39 U	0.4 U	0.4 U
Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	NS	NS	NS	0.4 U	0.39 U	0.39 U	0.39 U	0.4 U	0.39 U	0.4 U	0.4 U
Perfluoro-3-methoxypropanoic acid	ug/kg	NS	NS	NS	0.4 U	0.39 U	0.39 U	0.39 U	0.4 U	0.39 U	0.4 U	0.4 U
Perfluoro-4-methoxybutanoic acid	ug/kg	NS	NS	NS	0.4 U	0.39 U	0.39 U	0.39 U	0.4 U	0.39 U	0.4 U	0.4 U
Perfluorobutanesulfonic acid (PFBS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorobutanoic Acid	ug/kg	NS	NS	NS	0.23 J	0.79 U	0.79 U	0.79 U	0.79 U	0.77 U	0.79 U	0.17 J
Perfluorodecanesulfonic acid (PFDS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorodecanoic acid (PFDA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorododecanesulfonic acid (PFDOS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorododecanoic acid (PFDoA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluoroheptanoic acid (PFHpA)	ug/kg	NS	NS	NS	0.016 J	0.031 J	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorohexanoic acid (PFHxA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorononanesulfonic Acid (PFNS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorononanoic acid (PFNA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	44	3.7	0.23	0.29	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	33	1.1	0.2 U	0.079 J	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluoropentanoic Acid (PFPeA)	ug/kg	NS	NS	NS	0.029 J	0.058 J	0.39 U	0.4 U	0.39 U	0.4 U	0.4 U	0.4 U
Perfluorotetradecanoic acid (PFTA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U
Perfluoroundecanoic Acid (PFUnA)	ug/kg	NS	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	MW-13	PZ-01	PZ-01	PZ-01	PZ-01	PZ-02	PZ-02
					Sample ID	MW-13-13.0-15.3	PZ-01-1.5-2.0	PZ-01-8.0-10.0	PZ-01-11.0-13.0	PZ-01-13.0-15.0	PZ-02-1.7-2.2	PZ-02-8.0-10.0
					Start Depth (ft)	13	1.5	8	11	13	1.7	8
					End Depth (ft)	15.3	2	10	13	15	2.2	10
					Sample Date	11/9/2023	11/2/2023	11/3/2023	11/3/2023	11/3/2023	11/10/2023	11/13/2023
					Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
Metals												
Aluminum	mg/kg	NS	NS	NS	6100		19000	8200	8100	4300	14000	15000
Antimony	mg/kg	NS	NS	NS	1.9 U		2 U	1.9 UJ	1.8 U	1.7 U	2 U	2.1 U
Arsenic	mg/kg	13	16	16	2.6 J		5.4	4.2	4.7	4.3	4.8	6
Barium	mg/kg	350	400	820	52		120	59 J	68	59	84	100
Beryllium	mg/kg	7.2	72	47	0.31		1.2	0.4	0.4	0.22	0.65	0.7
Cadmium	mg/kg	2.5	4.3	7.5	0.38		0.39 U	0.25 J	0.55	0.5	0.4 U	0.41 U
Calcium	mg/kg	NS	NS	NS	81000		2900	68000 J	110000	140000	53000	49000
Chromium, Total ³	mg/kg	30	180	NS	8.8		30	9.8	11	6.8	18	21
Cobalt	mg/kg	NS	NS	NS	5.7		12	5.3	5.7	3.1	11	12
Copper	mg/kg	50	270	1720	14		22	10	14	40	21	22
Cyanide	mg/kg	27	27	40	0.45 U		0.45 J	0.57 U	0.51 U	0.47 U	1.4	1.4
Iron	mg/kg	NS	NS	NS	13000		38000	12000	12000	7100	32000	34000
Lead	mg/kg	63	400	450	16		12	14 J	16	19	5.3	8
Magnesium	mg/kg	NS	NS	NS	35000		6500	25000	44000	62000	9500	12000
Manganese	mg/kg	1600	2000	2000	630		450	560	580	540	630	770
Nickel	mg/kg	30	310	130	9.6		28	12	12	6.9	22	29
Potassium	mg/kg	NS	NS	NS	1000		2300	1500	1400	1000	1800	2400
Selenium	mg/kg	3.9	180	4	3.7 U		3.9 U	3.7 UJ	3.6 U	3.5 U	4 U	4.1 U
Silver	mg/kg	2	180	8.3	0.37 U		0.39 U	0.92	0.99	0.65	0.4 U	0.41 U
Sodium	mg/kg	NS	NS	NS	130 J		290	200	220	180	110 J	150 J
Thallium	mg/kg	NS	NS	NS	1.9 U		2 U	1.9 U	1.8 U	1.7 U	2 U	2.1 U
Vanadium	mg/kg	NS	NS	NS	13		31	15	16	9.7	26	27
Zinc	mg/kg	109	10000	2480	86		61	79	120	110	44	53
Mercury	mg/kg	0.18	0.81	0.73	0.019 J		0.065	0.026 U	0.024 U	0.024 U	0.033 U	0.033 U
Pesticides												
Endrin Aldehyde	mg/kg	NS	NS	NS	0.0093 U		0.0099 U	0.009 U	0.0088 U	0.0086 U	0.01 U	0.01 U
P,P'-DDT	mg/kg	0.0033	7.9	136	0.0046 U		0.005 U	0.0045 U	0.0044 U	0.0043 U	0.0051 U	0.0052 U
Other												
Total Solids	%	NS	NS	NS	89.6		81	83	89.6	92	77.9	78.6
Herbicides (No Detections)												
PCBS (No Detections)												

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.

3. Since there are no standards for Total Chromium, the criteria for Trivalent Chromium has been applied.

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

- Value exceeds the NYCRR Unrestricted Use SCOs

- Value exceeds the NYCRR Restricted Residential Use SCOs

- Value exceeds NYCRR Protection of Groundwater SCOs

NS = no standard for that given compound

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	PZ-02	PZ-02	PZ-03	PZ-03	PZ-03	PZ-03	PZ-03	SB-13
					Sample ID	PZ-02-11.0-13.0	PZ-02-13.0-15.0	PZ-03-2.5-3.0	PZ-03-8.0-10.0	PZ-03-10.0-11.0	PZ-03-12.5-14.5	PZ-03-12.5-14.5	SB-13-1.0-1.5
					Start Depth (ft)	11	13	2.5	8	10	12.5	12.5	1
					End Depth (ft)	13	15	3	10	11	14.5	14.5	1.5
					Sample Date	11/13/2023	11/13/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/7/2023
					Sample Type Code	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW									
VOCs													
1,2-Dibromo-3-Chloropropane	mg/kg	NS	NS	NS	0.0025	UJ	0.0015	UJ	0.0029	U	0.0022	U	0.0021
1,2-Dichloropropane	mg/kg	NS	NS	NS	0.0025	U	0.0015	U	0.0029	U	0.0022	U	0.0021
2-Hexanone	mg/kg	NS	NS	NS	0.025	U	0.015	U	0.029	U	0.022	U	0.021
Acetone	mg/kg	0.05	100	0.05	0.012	J	0.073	U	0.02	J	0.027	J	0.012
Benzene	mg/kg	0.06	4.8	0.06	0.0025	U	0.00044	J	0.0029	U	0.001	J	0.00098
Bromomethane	mg/kg	NS	NS	NS	0.012	UJ	0.0073	UJ	0.014	UJ	0.011	UJ	0.0083
Chloroethane	mg/kg	NS	NS	NS	0.025	U	0.015	U	0.029	UJ	0.022	UJ	0.021
Chloromethane	mg/kg	NS	NS	NS	0.012	U	0.0073	U	0.014	UJ	0.011	UJ	0.0083
Cis-1,2-Dichloroethylene	mg/kg	0.25	100	0.25	0.0025	U	0.0015	U	0.0029	U	0.048	J	0.1
Cyclohexane	mg/kg	NS	NS	NS	0.012	UJ	0.0073	UJ	0.014	U	0.011	U	0.0083
Dichlorodifluoromethane	mg/kg	NS	NS	NS	0.025	UJ	0.015	UJ	0.029	U	0.022	U	0.021
Ethylbenzene	mg/kg	1	41	1	0.0025	U	0.0015	U	0.0029	U	0.0022	U	0.0021
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	mg/kg	NS	NS	NS	0.025	U	0.015	U	0.029	U	0.022	U	0.021
Methylcyclohexane	mg/kg	NS	NS	NS	0.005	U	0.0011	J	0.0057	U	0.0023	J	0.0013
Methylene Chloride	mg/kg	0.05	100	0.05	0.025	U	0.015	U	0.029	U	0.022	U	0.017
Tert-Butyl Methyl Ether	mg/kg	0.93	100	0.93	0.005	U	0.0029	U	0.0057	U	0.0044	U	0.0033
Tetrachloroethylene (PCE)	mg/kg	1.3	19	1.3	0.0025	U	0.0015	U	0.0029	U	0.15	J	0.22
Toluene	mg/kg	0.7	100	0.7	0.0025	U	0.00096	J	0.0029	U	0.00099	J	0.00073
Trans-1,2-Dichloroethene	mg/kg	0.19	100	0.19	0.0025	U	0.0015	U	0.0029	U	0.0022	U	0.00081
Trichloroethylene (TCE)	mg/kg	0.47	21	0.47	0.0025	U	0.0015	U	0.0029	U	0.059	J	0.071
Trichlorofluoromethane	mg/kg	NS	NS	NS	0.012	U	0.0073	U	0.014	UJ	0.011	UJ	0.0083
Vinyl Chloride	mg/kg	0.02	0.9	0.02	0.012	U	0.0073	U	0.014	U	0.0023	J	0.0018
Xylenes	mg/kg	0.26	100	1.6	0.0025	U	0.0015	U	0.0029	U	0.0022	U	0.0021
SVOCs													
1,2,4,5-Tetrachlorobenzene	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2,4,5-Trichlorophenol	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2,4,6-Trichlorophenol	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2,4-Dichlorophenol	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2,4-Dimethylphenol	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2,4-Dinitrophenol	mg/kg	NS	NS	NS	0.89	U	0.71	U	0.83	U	0.87	UJ	0.85
2,4-Dinitrotoluene	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2,6-Dinitrotoluene	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2-Chloronaphthalene	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2-Chlorophenol	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2-Methylnaphthalene	mg/kg	NS	NS	NS	0.23	U	0.18	U	0.21	U	0.22	UJ	0.22
2-Methylphenol (O-Cresol)	mg/kg	0.33	100	0.33	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2-Nitroaniline	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
2-Nitrophenol	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
3- And 4- Methylphenol (Total)	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
3,3'-Dichlorobenzidine	mg/kg	NS	NS	NS	0.23	U	0.18	U	0.21	U	0.22	UJ	0.22
3-Nitroaniline	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
4,6-Dinitro-2-Methylphenol	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	0.46	U	0.37	U	0.43	U	0.45	UJ	0.44
4-Chloro-3-Methylphenol	mg/kg	NS	NS	NS	0.89	U	0.71	U	0.83	U	0.87	UJ	0.85

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	PZ-02	PZ-02	PZ-03	PZ-03	PZ-03	PZ-03	SB-13
					Sample ID	PZ-02-11.0-13.0	PZ-02-13.0-15.0	PZ-03-2.5-3.0	PZ-03-8.0-10.0	PZ-03-10.0-11.0	PZ-03-12.5-14.5	SB-13-1.0-1.5
					Start Depth (ft)	11	13	2.5	8	10	12.5	1
					End Depth (ft)	13	15	3	10	11	14.5	1.5
					Sample Date	11/13/2023	11/13/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/7/2023
					Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
4-Chloroaniline	mg/kg	NS	NS	NS	0.89 U	0.71 U	0.83 U	0.87 U	0.85 U	0.87 U	4.9 U	
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
4-Nitroaniline	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
4-Nitrophenol	mg/kg	NS	NS	NS	0.89 U	0.71 U	0.83 U	0.87 U	0.85 U	0.87 U	4.9 U	
Acenaphthene	mg/kg	20	100	98	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Acenaphthylene	mg/kg	100	100	107	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Acetophenone	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Anthracene	mg/kg	100	100	1000	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Atrazine	mg/kg	NS	NS	NS	0.9 U	0.73 U	0.84 U	0.88 U	0.87 U	0.88 U	5 U	
Benzaldehyde	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Benzo(A)Anthracene	mg/kg	1	1	1	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Benzo(A)Pyrene	mg/kg	1	1	22	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Benzo(B)Fluoranthene	mg/kg	1	1	1.7	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Benzo(G,H,I)Perylene	mg/kg	100	100	1000	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Benzo(K)Fluoranthene	mg/kg	0.8	3.9	1.7	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Benzyl Butyl Phthalate	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Biphenyl (Diphenyl)	mg/kg	NS	NS	NS	0.9 U	0.73 U	0.84 U	0.88 U	0.87 U	0.88 U	5 U	
Bis(2-Chloroethoxy) Methane	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Bis(2-Chloroisopropyl) Ether	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Bis(2-Ethylhexyl) Phthalate	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Caprolactam	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Carbazole	mg/kg	NS	NS	NS	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Chrysene	mg/kg	1	3.9	1	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Dibenz(A,H)Anthracene	mg/kg	0.33	0.33	1000	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Dibenzofuran	mg/kg	7	59	210	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Diethyl Phthalate	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Dimethyl Phthalate	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Di-N-Butyl Phthalate	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Di-N-Octylphthalate	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Fluoranthene	mg/kg	100	100	1000	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Fluorene	mg/kg	30	100	386	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Hexachlorobenzene	mg/kg	0.33	1.2	3.2	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Hexachlorobutadiene	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Hexachlorocyclopentadiene	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Hexachloroethane	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5	8.2	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Isophorone	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Naphthalene	mg/kg	12	100	12	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Nitrobenzene	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
N-Nitrosodi-N-Propylamine	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
N-Nitrosodiphenylamine	mg/kg	NS	NS	NS	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Pentachlorophenol	mg/kg	0.8	6.7	0.8	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Phenanthrene	mg/kg	100	100	1000	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
Phenol	mg/kg	0.33	100	0.33	0.46 U	0.37 U	0.43 U	0.45 U	0.44 U	0.45 U	2.5 U	
Pyrene	mg/kg	100	100	1000	0.23 U	0.18 U	0.21 U	0.22 U	0.22 U	0.22 U	1.3 U	
1,4-Dioxane (P-Dioxane)	mg/kg	0.1	13	0.1	0.069 U	0.055 U	0.062 U	0.064 U	0.064 U	0.064 U	0.062 U	

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	PZ-02	PZ-02	PZ-03	PZ-03	PZ-03	PZ-03	PZ-03	SB-13
					Sample ID	PZ-02-11.0-13.0	PZ-02-13.0-15.0	PZ-03-2.5-3.0	PZ-03-8.0-10.0	PZ-03-10.0-11.0	PZ-03-12.5-14.5	PZ-03-12.5-14.5	SB-13-1.0-1.5
					Start Depth (ft)	11	13	2.5	8	10	12.5	12.5	1
					End Depth (ft)	13	15	3	10	11	14.5	14.5	1.5
					Sample Date	11/13/2023	11/13/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/7/2023
					Sample Type Code	N	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW									
PFAS													
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.8 U	0.77 U	0.79 U	0.78 U	0.78 U	0.79 U	0.79 U	0.8 U	0.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	ug/kg	NS	NS	NS	0.8 U	0.77 U	0.79 U	0.78 U	0.78 U	0.79 U	0.79 U	0.8 U	0.8 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	ug/kg	NS	NS	NS	0.8 U	0.77 U	0.79 U	0.78 U	0.78 U	0.79 U	0.79 U	0.8 U	0.8 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	ug/kg	NS	NS	NS	0.8 U	0.77 U	0.79 U	0.78 U	0.78 U	0.79 U	0.79 U	0.8 U	0.8 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	2 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	2 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	2 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	2 U
2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	NS	NS	NS	10 U	9.7 U	9.9 U	9.8 U	9.8 U	9.7 U	9.9 U	10 U	10 U
3-Perfluoroheptyl propanoic acid	ug/kg	NS	NS	NS	10 U	9.7 U	9.9 U	9.8 U	9.8 U	9.7 U	9.9 U	10 U	10 U
3-Perfluoropropyl propanoic acid	ug/kg	NS	NS	NS	2 U	1.9 U	2 U	2 U	2 U	1.9 U	2 U	2 U	2 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	NS	NS	NS	0.8 U	0.77 U	0.79 U	0.78 U	0.78 U	0.79 U	0.79 U	0.8 U	0.8 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.8 U	0.77 U	0.79 U	0.78 U	0.78 U	0.79 U	0.79 U	0.8 U	0.8 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ug/kg	NS	NS	NS	0.8 U	0.77 U	0.79 U	0.78 U	0.78 U	0.79 U	0.79 U	0.8 U	0.8 U
N-ethyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
N-methyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Nonafluoro-3,6-dioxahexanoic acid	ug/kg	NS	NS	NS	0.4 U	0.39 U	0.4 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U
Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	NS	NS	NS	0.4 U	0.39 U	0.4 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U
Perfluoro-3-methoxypropanoic acid	ug/kg	NS	NS	NS	0.4 U	0.39 U	0.4 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U
Perfluoro-4-methoxybutanoic acid	ug/kg	NS	NS	NS	0.4 U	0.39 U	0.4 U	0.39 U	0.39 U	0.39 U	0.4 U	0.4 U	0.4 U
Perfluorobutanesulfonic acid (PFBS)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorobutanoic Acid	ug/kg	NS	NS	NS	0.19 U	0.77 U	0.79 U	0.78 U	0.78 U	0.79 U	0.79 U	0.22 U	0.22 U
Perfluorodecanesulfonic acid (PFDS)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorodecanoic acid (PFDA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorododecanesulfonic acid (PFDOS)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorododecanoic acid (PFDoA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluoroheptanoic acid (PFHpA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorohexanoic acid (PFHxA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorononanesulfonic Acid (PFNS)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorononanoic acid (PFNA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorooctane Sulfonamide (FOSA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	44	3.7	0.052 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.31 U	0.31 U
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	33	1.1	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluoropentanoic Acid (PFPeA)	ug/kg	NS	NS	NS	0.046 U	0.038 U	0.033 U	0.039 U	0.04 J	0.039 U	0.043 U	0.039 U	0.039 U
Perfluorotetradecanoic acid (PFTA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U
Perfluoroundecanoic Acid (PFUnA)	ug/kg	NS	NS	NS	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U	0.19 U	0.2 U	0.2 U	0.2 U

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	PZ-02	PZ-02	PZ-03	PZ-03	PZ-03	PZ-03	SB-13
					Sample ID	PZ-02-11.0-13.0	PZ-02-13.0-15.0	PZ-03-2.5-3.0	PZ-03-8.0-10.0	PZ-03-10.0-11.0	PZ-03-12.5-14.5	SB-13-1.0-1.5
					Start Depth (ft)	11	13	2.5	8	10	12.5	1
					End Depth (ft)	13	15	3	10	11	14.5	1.5
					Sample Date	11/13/2023	11/13/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/7/2023
					Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
Metals												
Aluminum	mg/kg	NS	NS	NS	16000		4000	26000	19000	11000	15000	26000
Antimony	mg/kg	NS	NS	NS	2.2 U	1.8 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 UJ
Arsenic	mg/kg	13	16	16	3.8 J	1.6 J	4.9	4.3 J	5	2.6 J	5	5
Barium	mg/kg	350	400	820	94	48	100	110	100	88	100	100
Beryllium	mg/kg	7.2	72	47	0.74	0.21	0.9	0.92	0.52	0.71	0.76	0.76
Cadmium	mg/kg	2.5	4.3	7.5	0.44 U	0.45	0.22 J	0.43 U	0.41 U	0.31 J	0.4 U	0.4 U
Calcium	mg/kg	NS	NS	NS	63000	90000	2200	48000	49000	56000	2600	2600
Chromium, Total ³	mg/kg	30	180	NS	22	5.8	30	26	16	20	29	29
Cobalt	mg/kg	NS	NS	NS	10	3	22	14	12	10	11 J	11 J
Copper	mg/kg	50	270	1720	24	10	21	25	12	21	24	24
Cyanide	mg/kg	27	27	40	0.67 U	0.53 U	0.63 U	0.62 U	0.51 U	0.45 U	0.57 U	0.57 U
Iron	mg/kg	NS	NS	NS	37000	7400	46000	35000	20000	30000	40000	40000
Lead	mg/kg	63	400	450	9.5	19	10	9.6	5.5	10	11	11
Magnesium	mg/kg	NS	NS	NS	16000	33000	5600	15000	11000	20000	5700	5700
Manganese	mg/kg	1600	2000	2000	550	450	1100	690	680	540	360	360
Nickel	mg/kg	30	310	130	25	6.6	24	29	21	24	22	22
Potassium	mg/kg	NS	NS	NS	3100	940	2300	3600	2000	3000	2300	2300
Selenium	mg/kg	3.9	180	4	4.4 U	3.6 U	4.1 U	4.3 U	4.1 U	4.2 U	4 U	4 U
Silver	mg/kg	2	180	8.3	0.44 U	0.36 U	0.41 U	0.43 U	0.41 U	0.42 U	2.9	2.9
Sodium	mg/kg	NS	NS	NS	230	130 J	130 J	260	150 J	200 J	240	240
Thallium	mg/kg	NS	NS	NS	2.2 U	1.8 U	2.1 U	2.1 U	2.1 U	2.1 U	2 UJ	2 UJ
Vanadium	mg/kg	NS	NS	NS	29	8.2	36	32	20	26	40	40
Zinc	mg/kg	109	10000	2480	65	100	69	66	44	96	66	66
Mercury	mg/kg	0.18	0.81	0.73	0.035 U	0.028 U	0.026 J	0.03 J	0.015 J	0.025 J	0.031	0.031
Pesticides												
Endrin Aldehyde	mg/kg	NS	NS	NS	0.011 U	0.0087 U	0.01 U	0.011 U	0.01 U	0.01 U	0.0098 U	0.0098 U
P,P'-DDT	mg/kg	0.0033	7.9	136	0.0055 U	0.0044 U	0.005 U	0.0053 U	0.0052 U	0.0052 U	0.0049 U	0.0049 U
Other												
Total Solids	%	NS	NS	NS	72.7	89	80.4	76.3	79.4	79.1	81.7	81.7
Herbicides (No Detections)												
PCBS (No Detections)												

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.
3. Since there are no standards for Total Chromium, the criteria for Trivalent Chromium has been applied.

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

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

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

- Value exceeds the NYCRR Unrestricted Use SCOs

- Value exceeds the NYCRR Restricted Residential Use SCOs

- Value exceeds NYCRR Protection of Groundwater SCOs

NS = no standard for that given compound

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW	Location ID	SB-13	SB-13	SB-13	SB-13	
					Sample ID	SB-13-1.0-1.5-D	SB-13-8.0-10.0	SB-13-11.0-12.6	SB-13-12.6-13.5	
					Start Depth (ft)	1	8	11	12.6	
					End Depth (ft)	1.5	10	12.6	13.5	
					Sample Date	11/7/2023	11/16/2023	11/16/2023	11/16/2023	
Sample Type Code	FD	N	N	N						
VOCs										
1,2-Dibromo-3-Chloropropane	mg/kg	NS	NS	NS	0.002	UJ	0.0022	U	0.0015	U
1,2-Dichloropropane	mg/kg	NS	NS	NS	0.002	U	0.0022	U	0.0015	U
2-Hexanone	mg/kg	NS	NS	NS	0.02	U	0.022	U	0.015	U
Acetone	mg/kg	0.05	100	0.05	0.012	J	0.01	J	0.074	U
Benzene	mg/kg	0.06	4.8	0.06	0.002	U	0.0022	U	0.0014	J
Bromomethane	mg/kg	NS	NS	NS	0.0098	UJ	0.011	UJ	0.0074	UJ
Chloroethane	mg/kg	NS	NS	NS	0.02	UJ	0.022	UJ	0.015	UJ
Chloromethane	mg/kg	NS	NS	NS	0.0098	U	0.011	UJ	0.0074	UJ
Cis-1,2-Dichloroethylene	mg/kg	0.25	100	0.25	0.002	U	0.0041	0.0043	0.0089	J
Cyclohexane	mg/kg	NS	NS	NS	0.0098	UJ	0.011	U	0.0074	U
Dichlorodifluoromethane	mg/kg	NS	NS	NS	0.02	U	0.022	U	0.015	U
Ethylbenzene	mg/kg	1	41	1	0.002	U	0.0022	U	0.0015	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	mg/kg	NS	NS	NS	0.02	U	0.022	U	0.015	U
Methylcyclohexane	mg/kg	NS	NS	NS	0.0039	U	0.0044	U	0.0027	J
Methylene Chloride	mg/kg	0.05	100	0.05	0.02	U	0.022	U	0.015	U
Tert-Butyl Methyl Ether	mg/kg	0.93	100	0.93	0.0039	U	0.0044	U	0.003	U
Tetrachloroethylene (PCE)	mg/kg	1.3	19	1.3	0.002	U	0.005	0.0022	U	0.0017
Toluene	mg/kg	0.7	100	0.7	0.002	U	0.00088	J	0.0022	U
Trans-1,2-Dichloroethene	mg/kg	0.19	100	0.19	0.002	U	0.0022	U	0.0015	U
Trichloroethylene (TCE)	mg/kg	0.47	21	0.47	0.002	U	0.005	0.0022	U	0.0038
Trichlorofluoromethane	mg/kg	NS	NS	NS	0.0098	U	0.011	UJ	0.0074	UJ
Vinyl Chloride	mg/kg	0.02	0.9	0.02	0.0098	U	0.011	U	0.011	U
Xylenes	mg/kg	0.26	100	1.6	0.002	U	0.0022	U	0.0022	U
SVOCs										
1,2,4,5-Tetrachlorobenzene	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2,4,5-Trichlorophenol	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2,4,6-Trichlorophenol	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2,4-Dichlorophenol	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2,4-Dimethylphenol	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2,4-Dinitrophenol	mg/kg	NS	NS	NS	4.9	U	0.88	U	1.8	U
2,4-Dinitrotoluene	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2,6-Dinitrotoluene	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2-Chloronaphthalene	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2-Chlorophenol	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
2-Methylnaphthalene	mg/kg	NS	NS	NS	1.3	U	0.23	U	0.46	U
2-Methylphenol (O-Cresol)	mg/kg	0.33	100	0.33	2.5	U	0.45	U	0.91	U
2-Nitroaniline	mg/kg	NS	NS	NS	2.5	UJ	0.45	U	0.91	U
2-Nitrophenol	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
3- And 4- Methylphenol (Total)	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
3,3'-Dichlorobenzidine	mg/kg	NS	NS	NS	1.3	U	0.23	U	0.46	U
3-Nitroaniline	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
4,6-Dinitro-2-Methylphenol	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
4-Bromophenyl Phenyl Ether	mg/kg	NS	NS	NS	2.5	U	0.45	U	0.91	U
4-Chloro-3-Methylphenol	mg/kg	NS	NS	NS	4.9	U	0.88	U	1.8	U

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	SB-13	SB-13	SB-13	SB-13
					Sample ID	SB-13-1.0-1.5-D	SB-13-8.0-10.0	SB-13-11.0-12.6	SB-13-12.6-13.5
					Start Depth (ft)	1	8	11	12.6
					End Depth (ft)	1.5	10	12.6	13.5
					Sample Date	11/7/2023	11/16/2023	11/16/2023	11/16/2023
					Sample Type Code	FD	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW					
4-Chloroaniline	mg/kg	NS	NS	NS	4.9 U	0.88 U	1.8 U	0.75 U	
4-Chlorophenyl Phenyl Ether	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
4-Nitroaniline	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
4-Nitrophenol	mg/kg	NS	NS	NS	4.9 U	0.88 U	1.8 U	0.75 U	
Acenaphthene	mg/kg	20	100	98	1.3 U	0.23 U	0.46 U	0.19 U	
Acenaphthylene	mg/kg	100	100	107	1.3 U	0.23 U	0.46 U	0.19 U	
Acetophenone	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Anthracene	mg/kg	100	100	1000	1.3 U	0.23 U	0.46 U	0.19 U	
Atrazine	mg/kg	NS	NS	NS	5 U	0.89 U	1.8 U	0.76 U	
Benzaldehyde	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Benzo(A)Anthracene	mg/kg	1	1	1	1.3 U	0.23 U	0.46 U	0.19 U	
Benzo(A)Pyrene	mg/kg	1	1	22	1.3 U	0.23 U	0.46 U	0.19 U	
Benzo(B)Fluoranthene	mg/kg	1	1	1.7	1.3 U	0.23 U	0.46 U	0.19 U	
Benzo(G,H,I)Perylene	mg/kg	100	100	1000	1.3 U	0.23 U	0.46 U	0.19 U	
Benzo(K)Fluoranthene	mg/kg	0.8	3.9	1.7	1.3 U	0.23 U	0.46 U	0.19 U	
Benzyl Butyl Phthalate	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Biphenyl (Diphenyl)	mg/kg	NS	NS	NS	5 U	0.89 U	1.8 U	0.76 U	
Bis(2-Chloroethoxy) Methane	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Bis(2-Chloroisopropyl) Ether	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Bis(2-Ethylhexyl) Phthalate	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Caprolactam	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Carbazole	mg/kg	NS	NS	NS	1.3 U	0.23 U	0.46 U	0.19 U	
Chrysene	mg/kg	1	3.9	1	1.3 U	0.23 U	0.46 U	0.19 U	
Dibenz(A,H)Anthracene	mg/kg	0.33	0.33	1000	1.3 U	0.23 U	0.46 U	0.19 U	
Dibenzofuran	mg/kg	7	59	210	2.5 U	0.45 U	0.91 U	0.39 U	
Diethyl Phthalate	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Dimethyl Phthalate	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Di-N-Butyl Phthalate	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Di-N-Octylphthalate	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Fluoranthene	mg/kg	100	100	1000	1.3 U	0.23 U	0.46 U	0.19 U	
Fluorene	mg/kg	30	100	386	1.3 U	0.23 U	0.46 U	0.19 U	
Hexachlorobenzene	mg/kg	0.33	1.2	3.2	2.5 U	0.45 U	0.91 U	0.39 U	
Hexachlorobutadiene	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Hexachlorocyclopentadiene	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Hexachloroethane	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Indeno(1,2,3-C,D)Pyrene	mg/kg	0.5	0.5	8.2	1.3 U	0.23 U	0.46 U	0.19 U	
Isophorone	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Naphthalene	mg/kg	12	100	12	1.3 U	0.23 U	0.46 U	0.19 U	
Nitrobenzene	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
N-Nitrosodi-N-Propylamine	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
N-Nitrosodiphenylamine	mg/kg	NS	NS	NS	2.5 U	0.45 U	0.91 U	0.39 U	
Pentachlorophenol	mg/kg	0.8	6.7	0.8	2.5 U	0.45 U	0.91 U	0.39 U	
Phenanthrene	mg/kg	100	100	1000	1.3 U	0.23 U	0.46 U	0.19 U	
Phenol	mg/kg	0.33	100	0.33	2.5 U	0.45 U	0.91 U	0.39 U	
Pyrene	mg/kg	100	100	1000	1.3 U	0.23 U	0.46 U	0.19 U	
1,4-Dioxane (P-Dioxane)	mg/kg	0.1	13	0.1	0.061 U	0.064 U	0.066 U	0.056 U	

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW	Location ID	SB-13	SB-13	SB-13	SB-13			
					Sample ID	SB-13-1.0-1.5-D	SB-13-8.0-10.0	SB-13-11.0-12.6	SB-13-12.6-13.5			
					Start Depth (ft)	1	8	11	12.6			
					End Depth (ft)	1.5	10	12.6	13.5			
					Sample Date	11/7/2023	11/16/2023	11/16/2023	11/16/2023			
Sample Type Code	FD	N	N	N								
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW								
PFAS												
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.79	UJ	0.78	U	0.8	U		
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	ug/kg	NS	NS	NS	0.79	UJ	0.78	U	0.79	U		
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	ug/kg	NS	NS	NS	0.79	UJ	0.78	U	0.79	U		
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	ug/kg	NS	NS	NS	0.79	UJ	0.78	U	0.79	U		
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	2	UJ	2	U	2	U		
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	ug/kg	NS	NS	NS	2	UJ	2	U	2	U		
2H,2H,3H,3H-Perfluorooctanoic acid	ug/kg	NS	NS	NS	9.9	UJ	9.8	U	9.9	U		
3-Perfluoroheptyl propanoic acid	ug/kg	NS	NS	NS	9.9	UJ	9.8	U	9.9	U		
3-Perfluoropropyl propanoic acid	ug/kg	NS	NS	NS	2	UJ	2	U	2	U		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ug/kg	NS	NS	NS	0.79	UJ	0.78	U	0.79	U		
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	ug/kg	NS	NS	NS	0.79	UJ	0.78	U	0.79	U		
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ug/kg	NS	NS	NS	0.79	UJ	0.78	U	0.79	U		
N-ethyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
N-ethyl perfluorooctanesulfonamidoacetic acid	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
N-methyl perfluoro-1-octanesulfonamide	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Nonafluoro-3,6-dioxahexanoic acid	ug/kg	NS	NS	NS	0.4	UJ	0.39	U	0.4	U		
Perfluoro(2-ethoxyethane)sulfonic acid	ug/kg	NS	NS	NS	0.4	UJ	0.39	U	0.4	U		
Perfluoro-3-methoxypropanoic acid	ug/kg	NS	NS	NS	0.4	UJ	0.39	U	0.4	U		
Perfluoro-4-methoxybutanoic acid	ug/kg	NS	NS	NS	0.4	UJ	0.39	U	0.4	U		
Perfluorobutanesulfonic acid (PFBS)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorobutanoic Acid	ug/kg	NS	NS	NS	0.19	J	0.78	U	0.79	U		
Perfluorodecanesulfonic acid (PFDS)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorodecanoic acid (PFDA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorododecanesulfonic acid (PFDOS)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorododecanoic acid (PFDaA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluoroheptanoic acid (PFHpA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorohexanoic acid (PFHxA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorononanesulfonic Acid (PFNS)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorononanoic acid (PFNA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorooctane Sulfonamide (FOSA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U		
Perfluorooctanesulfonic acid (PFOS)	ug/kg	0.88	44	3.7	0.46	J	0.2	U	0.2	0.066	J	
Perfluorooctanoic acid (PFOA)	ug/kg	0.66	33	1.1	0.07	J	0.2	U	0.2	0.2	U	
Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U	U	
Perfluoropentanoic Acid (PFPeA)	ug/kg	NS	NS	NS	0.037	J	0.027	J	0.06	J	0.026	J
Perfluorotetradecanoic acid (PFTA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U	U	
Perfluorotridecanoic Acid (PFTriA/PFTriDA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U	U	
Perfluoroundecanoic Acid (PFUnA)	ug/kg	NS	NS	NS	0.2	UJ	0.2	U	0.2	U	U	

TABLE 3
Soil Analytical Data Summary - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

					Location ID	SB-13	SB-13	SB-13	SB-13
					Sample ID	SB-13-1.0-1.5-D	SB-13-8.0-10.0	SB-13-11.0-12.6	SB-13-12.6-13.5
					Start Depth (ft)	1	8	11	12.6
					End Depth (ft)	1.5	10	12.6	13.5
					Sample Date	11/7/2023	11/16/2023	11/16/2023	11/16/2023
					Sample Type Code	FD	N	N	N
Chemical Name	Unit	NYSDEC PART 375 UNRESTRICTED	NYSDEC PART 375 RESTRICTED RESIDENTIAL	NYSDEC PAR T375 PGW					
Metals									
Aluminum	mg/kg	NS	NS	NS	22000		18000	15000	1100
Antimony	mg/kg	NS	NS	NS	2 U		2.2 U	2.2 U	1.8 U
Arsenic	mg/kg	13	16	16	4.6		5.1	3.4 J	3.6 U
Barium	mg/kg	350	400	820	92		120	100	21
Beryllium	mg/kg	7.2	72	47	0.78		0.83	0.7	0.18 U
Cadmium	mg/kg	2.5	4.3	7.5	0.39 U		0.44 U	0.44 U	17
Calcium	mg/kg	NS	NS	NS	2900		60000	53000	1000
Chromium, Total ³	mg/kg	30	180	NS	27		24	20	21
Cobalt	mg/kg	NS	NS	NS	10		12	10	0.99 J
Copper	mg/kg	50	270	1720	17		23	21	4.6
Cyanide	mg/kg	27	27	40	0.53 U		0.61	0.54 U	0.53 U
Iron	mg/kg	NS	NS	NS	37000		36000	22000	2600
Lead	mg/kg	63	400	450	15		8.3	8.5	3.6
Magnesium	mg/kg	NS	NS	NS	5100		16000	17000	700
Manganese	mg/kg	1600	2000	2000	460		630	560	39
Nickel	mg/kg	30	310	130	20		28	24	2
Potassium	mg/kg	NS	NS	NS	2000		3300	2900	140 J
Selenium	mg/kg	3.9	180	4	3.9 U		4.4 U	4.4 U	3.6 U
Silver	mg/kg	2	180	8.3	2.9		0.44 U	0.44 U	0.36 U
Sodium	mg/kg	NS	NS	NS	230		230	210 J	180 U
Thallium	mg/kg	NS	NS	NS	2 U		2.2 U	2.2 U	1.8 U
Vanadium	mg/kg	NS	NS	NS	39		32	27	3.7
Zinc	mg/kg	109	10000	2480	72		58	66	21
Mercury	mg/kg	0.18	0.81	0.73	0.032		0.033 U	0.034 U	0.028 U
Pesticides									
Endrin Aldehyde	mg/kg	NS	NS	NS	0.0099 U		0.011 U	0.011 U	0.009 U
P,P'-DDT	mg/kg	0.0033	7.9	136	0.0049 U		0.0053 U	0.0054 U	0.0045 U
Other									
Total Solids	%	NS	NS	NS	81.8		77.6	74.6	89.2
Herbicides (No Detections)									
PCBS (No Detections)									

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.

3. Since there are no standards for Total Chromium, the criteria for Trivalent Chromium has been applied.

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

- Value exceeds the NYCRR Unrestricted Use SCOs

- Value exceeds the NYCRR Restricted Residential Use SCOs

- Value exceeds NYCRR Protection of Groundwater SCOs

NS = no standard for that given compound

TABLE 4
Groundwater Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

		Location ID	MW-07	MW-07	MW-08	MW-08	MW-09	MW-09	MW-10
		Sample ID	PINE AVE-021-002	PINEAVE-017-07	PINE AVE-021-007	PINEAVE-017-05	PINE AVE-021-005	PINEAVE-017-06	PINE AVE-021-003
		Matrix	WG	WG	WG	WG	WG	WG	WG
		Sample Date	5/15/2024	4/25/2024	5/15/2024	4/25/2024	5/15/2024	4/25/2024	5/15/2024
		Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA							
Metals									
Barium	mg/l	1		0.07		0.064		0.055	
Calcium	mg/l			210		120		110	
Iron	mg/l	0.3		1.8		0.044 J		0.16	
Magnesium	mg/l	35		90		50		41	
Nickel	mg/l	0.1		0.0048 J		0.0048 J		0.0055 J	
Potassium	mg/l			4		2.8		2.6	
Sodium	mg/l	20		250		110		77	
Vanadium	mg/l			0.006 J		0.01 U		0.01 U	
Zinc	mg/l	2		0.01 U		0.17		0.23	
Pesticides (No Detections)									
PCBs (No Detections)									
Herbicides (No Detections)									
SVOCs									
2,3,4,6-Tetrachlorophenol	ug/l			22 U		21 U		22 U	
2,4-Dinitrophenol	ug/l	1		11 U		10 U		11 U	
Aniline	ug/l	5		22 U		21 U		22 U	
Caprolactam	ug/l			11 U		10 U		11 U	
Di-N-Octylphthalate	ug/l	50		11 U		10 U		11 U	
Hexachlorobutadiene	ug/l	0.5		11 U		10 U		11 U	
Hexachlorocyclopentadiene	ug/l	5		11 U		10 U		11 U	
Hexachloroethane	ug/l	5		11 U		10 U		11 U	
Pyridine	ug/l			22 U		21 U		22 U	
1,4-Dioxane (P-Dioxane)	ug/l	0.35		0.19 J		0.11 J		0.089 J	
VOCs									
1,1-Dichloroethene	ug/l	5		1 U		1 U		1 U	
1,2-Dichloropropane	ug/l	1		1 U		1 U		1 U	
Acetone	ug/l	50		50 U		50 U		50 U	
Benzene	ug/l	1		1 U		0.18 J		1 U	
Bromochloromethane	ug/l			1 U		1 U		1 U	
Bromodichloromethane	ug/l	50		0.5 U		0.5 U		0.5 U	
Carbon Disulfide	ug/l	60		5 U		5 U		5 U	
Carbon Tetrachloride	ug/l	5		5 U		5 U		5 U	
Chlorobenzene	ug/l	5		0.21 J		1 U		1 U	
Chloromethane	ug/l	5		2 U		2 U		2 U	
Cis-1,2-Dichloroethylene	ug/l	5		11		41		9.6	
Methyl Acetate	ug/l			1 U		1 U		1 U	
Methyl Ethyl Ketone (2-Butanone)	ug/l	50		20 U		20 U		20 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/l			10 U		10 U		10 U	
Methylcyclohexane	ug/l			1 U		1 U		1 U	
Methylene Chloride	ug/l	5		5 U		5 U		5 U	
Naphthalene	ug/l	10		2 U		2 U		2 U	
Tert-Butyl Methyl Ether	ug/l	10		1 U		1 U		0.2 J	
Tetrachloroethylene (PCE)	ug/l	5		3.8		5.8		5.9	
Toluene	ug/l	5		1 U		1 U		1 U	
Trans-1,2-Dichloroethene	ug/l	5		1 U		0.52 J		0.18 J	
Trans-1,3-Dichloropropene	ug/l	0.4		0.5 U		0.5 U		0.5 U	
Trichloroethylene (TCE)	ug/l	5		2.1		7.3		6.5	
Trichlorofluoromethane	ug/l			2 U		2 U		2 U	
Vinyl Chloride	ug/l	2		7.2		1.7 J		0.32 J	

TABLE 4
Groundwater Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

		Location ID	MW-07	MW-07	MW-08	MW-08	MW-09	MW-09	MW-10
		Sample ID	PINE AVE-021-002	PINEAVE-017-07	PINE AVE-021-007	PINEAVE-017-05	PINE AVE-021-005	PINEAVE-017-06	PINE AVE-021-003
		Matrix	WG	WG	WG	WG	WG	WG	WG
		Sample Date	5/15/2024	4/25/2024	5/15/2024	4/25/2024	5/15/2024	4/25/2024	5/15/2024
		Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA							
PFAS									
Perfluorobutanesulfonic acid (PFBS)	ng/l			2.5		11		6.2	
Perfluorobutanoic Acid	ng/l			7.3		7.2		7.9	
Perfluorodecanoic acid (PFDA)	ng/l			0.64 J		0.41 J		0.29 J	
Perfluorooheptanoic acid (PFHpA)	ng/l			3.2		2.3		2.4	
Perfluorohexanesulfonic acid (PFHxS)	ng/l			0.97 J		1.5		1.5	
Perfluorohexanoic acid (PFHxA)	ng/l			7.3		5.7		4.6	
Perfluorononanoic acid (PFNA)	ng/l			0.76 J		0.71 J		1.2	
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7		2.4		2.5		2.1	
Perfluorooctanoic acid (PFOA)	ng/l	6.7		7.2		7		7.3	
Perfluoropentanesulfonic Acid (PFPeS)	ng/l			1 U		1 U		0.39 J	
Perfluoropentanoic Acid (PFPeA)	ng/l			10		8		5.6	
Total Suspended Solids	mg/l			14		10 U		10 U	
Bioremediation Parameters / Other									
Chloride (As Cl)	mg/l	250	500		310		150		410
Sulfate (As SO4)	mg/l	250	480		250		100		580
Manganese	mg/l	0.3	0.09	0.09	0.071	0.047	0.15	0.11	0.092
Manganese	mg/l	0.3	0.088	0.089	0.07	0.047	0.19	0.13	0.089
Methane	mg/l		0.077		0.087		0.014		0.1
Total Organic Carbon	mg/l		3.3		3.2		2.8		3.2
Cyanide	mg/l			0.01 U		0.01 U		0.01 U	

Notes:

¹NYSDEC Groundwater Ambient Water Quality Standards and Guidance Values (AWQSGVs) obtained from the Division of Water TOGS 1.1.1. June 1998

²PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, November 2022.

³Maximum Contaminant Level, Section 5-1.52, Table 3, of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York.

N = normal sample; WG = groundwater; FD = field duplicate; EB = equipment blank, FB = field blank, TB = trip blank

mg/l = milligrams per liter; ug/l = micrograms per liter; ng/l = nanograms per liter

UJ = Estimated and not detected to the reporting limit.

J = estimated at the value given

Value exceeds Class GA groundwater quality standard.

TABLE 4
Groundwater Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Location		MW-10	MW-11	MW-11	MW-11	MW-12	MW-12	MW-13	MW-13
Sample ID	Matrix	PINEAVE-017-01	PINE AVE-021-004	PINEAVE-017-02	PINEAVE-017-03	PINE AVE-021-006	PINEAVE-017-04	PINE AVE-021-001	PINEAVE-016-08
Sample Date		WG	WG	WG	WG	WG	WG	WG	WG
Sample Type Code		4/25/2024	5/15/2024	4/25/2024	4/25/2024	5/15/2024	4/25/2024	5/15/2024	4/24/2024
		N	N	N	FD	N	N	N	N
Chemical Name	Unit	NYSDEC Class	GA						
Metals									
Barium	mg/l	1	0.075		0.086	0.086		0.061	0.058
Calcium	mg/l		210		180	180		110	210
Iron	mg/l	0.3	1.9		1.4	1.4		0.23	1.1
Magnesium	mg/l	35	95		80	82		45	91
Nickel	mg/l	0.1	0.01 U		0.01 U	0.0049 J		0.0048 J	0.0052 J
Potassium	mg/l		4.1		4.7	4.9		3	3.6
Sodium	mg/l	20	220		210	210		96	210
Vanadium	mg/l		0.01 U		0.01 U	0.01 U		0.01 U	0.01 U
Zinc	mg/l	2	0.01 U		0.02	0.02		0.24	0.14
Pesticides (No Detections)									
PCBs (No Detections)									
Herbicides (No Detections)									
SVOCs									
2,3,4,6-Tetrachlorophenol	ug/l		19 UJ		20 UJ	20 UJ		21 UJ	19 UJ
2,4-Dinitrophenol	ug/l	1	9.5 UJ		9.8 UJ	9.8 UJ		11 UJ	9.6 UJ
Aniline	ug/l	5	19 UJ		20 UJ	20 UJ		21 UJ	19 UJ
Caprolactam	ug/l		9.5 UJ		9.8 UJ	9.8 UJ		11 UJ	9.6 UJ
Di-N-Octylphthalate	ug/l	50	9.5 UJ		9.8 UJ	9.8 UJ		11 UJ	9.6 UJ
Hexachlorobutadiene	ug/l	0.5	9.5 UJ		9.8 UJ	9.8 UJ		11 UJ	9.6 UJ
Hexachlorocyclopentadiene	ug/l	5	9.5 UJ		9.8 UJ	9.8 UJ		11 UJ	9.6 UJ
Hexachloroethane	ug/l	5	9.5 UJ		9.8 UJ	9.8 UJ		11 UJ	9.6 UJ
Pyridine	ug/l		19 UJ		20 U	20 U		21 U	19 U
1,4-Dioxane (P-Dioxane)	ug/l	0.35	0.2 J		0.27	0.19 J		0.13 J	0.32
VOCs									
1,1-Dichloroethene	ug/l	5	1 U		1 U	1 U		1 U	1 U
1,2-Dichloropropane	ug/l	1	1 U		1 U	1 U		1 U	1 U
Acetone	ug/l	50	50 U		50 U	50 U		50 U	50 UJ
Benzene	ug/l	1	1 U		1 U	1 U		1 U	1 U
Bromochloromethane	ug/l		1 U		1 U	1 U		1 U	1 U
Bromodichloromethane	ug/l	50	0.5 U		0.5 U	0.5 U		0.5 U	0.5 U
Carbon Disulfide	ug/l	60	5 UJ		5 UJ	5 UJ		5 UJ	5 U
Carbon Tetrachloride	ug/l	5	5 U		5 U	5 U		5 U	5 U
Chlorobenzene	ug/l	5	1 U		0.18 J	1 U		1 U	1 U
Chloromethane	ug/l	5	2 UJ		2 UJ	2 UJ		2 UJ	2 U
Cis-1,2-Dichloroethylene	ug/l	5	16		10	9.8		52	13
Methyl Acetate	ug/l		1 U		1 U	1 U		1 U	1 UJ
Methyl Ethyl Ketone (2-Butanone)	ug/l	50	20 U		20 U	20 U		20 U	20 UJ
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/l		10 U		10 U	10 U		10 U	10 U
Methylcyclohexane	ug/l		1 U		1 U	1 U		1 U	1 U
Methylene Chloride	ug/l	5	5 UJ		5 UJ	5 UJ		5 UJ	5 U
Naphthalene	ug/l	10	2 U		2 U	2 U		2 U	2 U
Tert-Butyl Methyl Ether	ug/l	10	1 U		1 U	1 U		1 U	1 U
Tetrachloroethylene (PCE)	ug/l	5	0.44 J		0.4 J	0.42 J		17	0.36 J
Toluene	ug/l	5	1 U		1 U	1 U		1 U	1 U
Trans-1,2-Dichloroethene	ug/l	5	0.19 J		1 U	1 U		0.52 J	0.23 J
Trans-1,3-Dichloropropene	ug/l	0.4	0.5 U		0.5 U	0.5 U		0.5 U	0.5 U
Trichloroethylene (TCE)	ug/l	5	0.91 J		0.85 J	0.83 J		12	1.7
Trichlorofluoromethane	ug/l		2 U		2 U	2 U		2 U	2 UJ
Vinyl Chloride	ug/l	2	6.8		4.8	4.9		1.9 J	5

TABLE 4
Groundwater Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

		Location ID	MW-10	MW-11	MW-11	MW-11	MW-12	MW-12	MW-13	MW-13
		Sample ID	PINEAVE-017-01	PINE AVE-021-004	PINEAVE-017-02	PINEAVE-017-03	PINE AVE-021-006	PINEAVE-017-04	PINE AVE-021-001	PINEAVE-016-08
		Matrix	WG	WG	WG	WG	WG	WG	WG	WG
		Sample Date	4/25/2024	5/15/2024	4/25/2024	4/25/2024	5/15/2024	4/25/2024	5/15/2024	4/24/2024
		Sample Type Code	N	N	N	FD	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA								
PFAS										
Perfluorobutanesulfonic acid (PFBS)	ng/l		3.7		4.9	4.8		8.5		1.8
Perfluorobutanoic Acid	ng/l		6.1		7.6	7		6.4		6.9
Perfluorodecanoic acid (PFDA)	ng/l		0.52 J		0.53 J	0.57 J		1 U		0.7 J
Perfluoroheptanoic acid (PFHpA)	ng/l		3		2.7	2.7		2.1		2.8
Perfluorohexanesulfonic acid (PFHxS)	ng/l		1.1		1.4	1.4		1.2		0.8 J
Perfluorohexanoic acid (PFHxA)	ng/l		6.5		6.4	6.2		4.7		6.7
Perfluorononanoic acid (PFNA)	ng/l		0.54 J		0.71 J	0.6 J		0.56 J		0.63 J
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7	2.3		2.7	2.7		1.2		1.4
Perfluorooctanoic acid (PFOA)	ng/l	6.7	6.5		6.7	6.8		6.4		5.2
Perfluoropentanesulfonic Acid (PFPeS)	ng/l		0.97 U		0.32 J	0.27 J		0.28 J		1 U
Perfluoropentanoic Acid (PFPeA)	ng/l		9.6		9.1	9		6.6		10
Total Suspended Solids	mg/l		10 U		16	26		10 U		10 U
Bioremediation Parameters / Other										
Chloride (As Cl)	mg/l	250		480			180		400	
Sulfate (As SO4)	mg/l	250		420			130		500	
Manganese	mg/l	0.3	0.093	0.096	0.092	0.092	0.088	0.079	0.082	
Manganese	mg/l	0.3	0.091	0.093	0.089	0.091	0.084	0.076	0.081	0.08
Methane	mg/l			0.2			0.0049 J		0.048	
Total Organic Carbon	mg/l			3.9			2.4		2.9	
Cyanide	mg/l		0.01 U		0.01 U	0.01 U		0.01 U		0.01 U

Notes:

¹NYSDEC Groundwater Ambient Water Quality Standards and Guidance Values (AWQSGVs) obtained from the Division of Water TOGS 1.1.1. June 1998

²PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, November 2022.

³Maximum Contaminant Level, Section 5-1.52, Table 3, of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York.

N = normal sample; WG = groundwater; FD = field duplicate; EB = equipment blank, FB = field blank, TB = trip blank

mg/l= milligrams per liter; ug/l= micrograms per liter; ng/l = nanograms per liter

UJ = Estimated and not detected to the reporting limit.

J = estimated at the value given

- Value exceeds Class GA groundwater quality standard.

TABLE 4
Groundwater Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

		Location ID	PVE-01	PVE-02	PZ-01	PZ-02	PZ-03	SVE-01	SVE-01
		Sample ID	PINEAVE-016-04	PINEAVE-016-05	PINEAVE-023-003	PINEAVE-023-002	PINEAVE-023-001	PINEAVE-016-01	PINEAVE-020-003
		Matrix	WG	WG	WG	WG	WG	WG	WG
		Sample Date	4/24/2024	4/24/2024	5/31/2024	5/31/2024	5/31/2024	4/24/2024	5/14/2024
		Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA							
Metals									
Barium	mg/l	1							
Calcium	mg/l								
Iron	mg/l	0.3							
Magnesium	mg/l	35							
Nickel	mg/l	0.1							
Potassium	mg/l								
Sodium	mg/l	20							
Vanadium	mg/l								
Zinc	mg/l	2							
Pesticides (No Detections)									
PCBs (No Detections)									
Herbicides (No Detections)									
SVOCs									
2,3,4,6-Tetrachlorophenol	ug/l								
2,4-Dinitrophenol	ug/l	1							
Aniline	ug/l	5							
Caprolactam	ug/l								
Di-N-Octylphthalate	ug/l	50							
Hexachlorobutadiene	ug/l	0.5							
Hexachlorocyclopentadiene	ug/l	5							
Hexachloroethane	ug/l	5							
Pyridine	ug/l								
1,4-Dioxane (P-Dioxane)	ug/l	0.35							
VOCs									
1,1-Dichloroethene	ug/l	5	1 U	10 U	34 J	1 U	3.4 J	1 U	
1,2-Dichloropropane	ug/l	1	1 U	5 J	100 U	1 U	6.1	1 U	
Acetone	ug/l	50	50 UJ	500 UJ	5000 U	50 U	250 U	50 UJ	
Benzene	ug/l	1	1 U	10 U	100 U	1 U	1.2 J	1 U	
Bromochloromethane	ug/l		1 U	10 U	100 U	1 U	5 U	1 U	
Bromodichloromethane	ug/l	50	0.5 U	5 U	50 U	0.5 U	2.5 U	0.5 U	
Carbon Disulfide	ug/l	60	5 U	50 U	500 UJ	5 UJ	25 UJ	5 U	
Carbon Tetrachloride	ug/l	5	5 U	50 U	500 U	5 U	25 U	5 U	
Chlorobenzene	ug/l	5	1 U	10 U	100 U	1 U	5 U	1 U	
Chloromethane	ug/l	5	2 U	20 U	200 U	2 U	10 U	2 U	
Cis-1,2-Dichloroethylene	ug/l	5	1 U	1100	4500	0.96 J	860	1.4	
Methyl Acetate	ug/l		1 UJ	10 UJ	100 U	1 U	5 U	1 UJ	
Methyl Ethyl Ketone (2-Butanone)	ug/l	50	20 UJ	17 J	2000 U	20 U	100 U	20 UJ	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/l		10 U	100 U	1000 U	10 U	50 U	10 U	
Methylcyclohexane	ug/l		1 U	10 U	100 U	1 U	5 U	0.37 J	
Methylene Chloride	ug/l	5	5 U	50 U	500 U	5 U	25 U	5 U	
Naphthalene	ug/l	10	2 U	20 U	200 U	2 U	10 U	2 U	
Tert-Butyl Methyl Ether	ug/l	10	1 U	10 U	100 U	0.54 J	5 U	1 U	
Tetrachloroethylene (PCE)	ug/l	5	0.28 J	720	12000	2.2	390	1.5	
Toluene	ug/l	5	1 U	10 U	100 U	0.15 J	5 U	0.29 J	
Trans-1,2-Dichloroethene	ug/l	5	1 U	27	54 J	1 U	9.8	1 U	
Trans-1,3-Dichloropropene	ug/l	0.4	0.5 U	5 U	50 U	0.5 U	2.5 U	0.5 U	
Trichloroethylene (TCE)	ug/l	5	1 U	360	5400	0.78 J	380	0.6 J	
Trichlorofluoromethane	ug/l		2 UJ	20 UJ	200 U	2 U	10 U	2 UJ	
Vinyl Chloride	ug/l	2	2 U	15 J	32 J	2 U	9.5 J	2 U	

TABLE 4
Groundwater Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

		Location ID	PVE-01	PVE-02	PZ-01	PZ-02	PZ-03	SVE-01	SVE-01
		Sample ID	PINEAVE-016-04	PINEAVE-016-05	PINEAVE-023-003	PINEAVE-023-002	PINEAVE-023-001	PINEAVE-016-01	PINEAVE-020-003
		Matrix	WG	WG	WG	WG	WG	WG	WG
		Sample Date	4/24/2024	4/24/2024	5/31/2024	5/31/2024	5/31/2024	4/24/2024	5/14/2024
		Sample Type Code	N	N	N	N	N	N	N
Chemical Name	Unit	NYSDEC Class GA							
PFAS									
Perfluorobutanesulfonic acid (PFBS)	ng/l								
Perfluorobutanoic Acid	ng/l								
Perfluorodecanoic acid (PFDA)	ng/l								
Perfluoroheptanoic acid (PFHpA)	ng/l								
Perfluorohexanesulfonic acid (PFHxS)	ng/l								
Perfluorohexanoic acid (PFHxA)	ng/l								
Perfluorononanoic acid (PFNA)	ng/l								
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7							
Perfluorooctanoic acid (PFOA)	ng/l	6.7							
Perfluoropentanesulfonic Acid (PFPeS)	ng/l								
Perfluoropentanoic Acid (PFPeA)	ng/l								
Total Suspended Solids	mg/l								
Bioremediation Parameters / Other									
Chloride (As Cl)	mg/l	250							34
Sulfate (As SO4)	mg/l	250							310
Manganese	mg/l	0.3							0.01 U
Manganese	mg/l	0.3							0.015
Methane	mg/l								0.007 U
Total Organic Carbon	mg/l								2.3
Cyanide	mg/l								

Notes:

¹NYSDEC Groundwater Ambient Water Quality Standards and Guidance Values (AWQSGVs) obtained from the Division of Water TOGS 1.1.1, June 1998

²PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, November 2022.

³Maximum Contaminant Level, Section 5-1.52, Table 3, of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York.

N = normal sample; WG = groundwater; FD = field duplicate; EB = equipment blank, FB = field blank, TB = trip blank

mg/l= milligrams per liter; ug/l= micrograms per liter; ng/l = nanograms per liter

UJ = Estimated and not detected to the reporting limit.

J = estimated at the value given

- Value exceeds Class GA groundwater quality standard.

TABLE 4
Groundwater Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

		Location ID	SVE-02	SVE-02	SVE-02	SVE-03	SVE-03
		Sample ID	PINEAVE-016-02	PINEAVE-016-07	PINEAVE-020-002	PINEAVE-016-03	PINEAVE-020-001
		Matrix	WG	WG	WG	WG	WG
		Sample Date	4/24/2024	4/24/2024	5/14/2024	4/24/2024	5/14/2024
		Sample Type Code	N	FD	N	N	N
Chemical Name		Unit	NYSDEC Class GA				
Metals							
Barium	mg/l	1					
Calcium	mg/l						
Iron	mg/l	0.3					
Magnesium	mg/l	35					
Nickel	mg/l	0.1					
Potassium	mg/l						
Sodium	mg/l	20					
Vanadium	mg/l						
Zinc	mg/l	2					
Pesticides (No Detections)							
PCBs (No Detections)							
Herbicides (No Detections)							
SVOcs							
2,3,4,6-Tetrachlorophenol	ug/l						
2,4-Dinitrophenol	ug/l	1					
Aniline	ug/l	5					
Caprolactam	ug/l						
Di-N-Octylphthalate	ug/l	50					
Hexachlorobutadiene	ug/l	0.5					
Hexachlorocyclopentadiene	ug/l	5					
Hexachloroethane	ug/l	5					
Pyridine	ug/l						
1,4-Dioxane (P-Dioxane)	ug/l	0.35					
VOCs							
1,1-Dichloroethene	ug/l	5	1 U	1 U		500 U	
1,2-Dichloropropane	ug/l	1	1 U	1 U		500 U	
Acetone	ug/l	50	50 UJ	50 UJ		25000 UJ	
Benzene	ug/l	1	1 U	1 U		500 U	
Bromochloromethane	ug/l		1 U	1 U		500 U	
Bromodichloromethane	ug/l	50	0.5 U	0.5 U		250 U	
Carbon Disulfide	ug/l	60	5 U	5 U		2500 U	
Carbon Tetrachloride	ug/l	5	5 U	5 U		2500 U	
Chlorobenzene	ug/l	5	1 U	1 U		500 U	
Chloromethane	ug/l	5	2 U	2 U		1000 U	
Cis-1,2-Dichloroethylene	ug/l	5	51	50		2000	
Methyl Acetate	ug/l		1 UJ	1 UJ		500 UJ	
Methyl Ethyl Ketone (2-Butanone)	ug/l	50	20 UJ	20 UJ		10000 UJ	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/l		10 U	10 U		5000 U	
Methylcyclohexane	ug/l		1 U	1 U		500 U	
Methylene Chloride	ug/l	5	5 U	5 U		2500 U	
Naphthalene	ug/l	10	2 U	2 U		1000 UJ	
Tert-Butyl Methyl Ether	ug/l	10	1 U	1 U		500 U	
Tetrachloroethylene (PCE)	ug/l	5	0.82 J	0.8 J		48000 J	
Toluene	ug/l	5	1 U	1 U		500 U	
Trans-1,2-Dichloroethene	ug/l	5	0.64 J	0.62 J		500 U	
Trans-1,3-Dichloropropene	ug/l	0.4	0.5 U	0.5 U		250 U	
Trichloroethylene (TCE)	ug/l	5	3.2	3.2		5200	
Trichlorofluoromethane	ug/l		2 UJ	2 UJ		1000 UJ	
Vinyl Chloride	ug/l	2	2 U	2 U		1000 U	

TABLE 4
Groundwater Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

		Location ID	SVE-02	SVE-02	SVE-02	SVE-03	SVE-03
		Sample ID	PINEAVE-016-02	PINEAVE-016-07	PINEAVE-020-002	PINEAVE-016-03	PINEAVE-020-001
		Matrix	WG	WG	WG	WG	WG
		Sample Date	4/24/2024	4/24/2024	5/14/2024	4/24/2024	5/14/2024
		Sample Type Code	N	FD	N	N	N
Chemical Name	Unit	NYSDEC Class GA					
PFAS							
Perfluorobutanesulfonic acid (PFBS)	ng/l						
Perfluorobutanoic Acid	ng/l						
Perfluorodecanoic acid (PFDA)	ng/l						
Perfluoroheptanoic acid (PFHpA)	ng/l						
Perfluorohexanesulfonic acid (PFHxS)	ng/l						
Perfluorohexanoic acid (PFHxA)	ng/l						
Perfluorononanoic acid (PFNA)	ng/l						
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7					
Perfluorooctanoic acid (PFOA)	ng/l	6.7					
Perfluoropentanesulfonic Acid (PFPeS)	ng/l						
Perfluoropentanoic Acid (PFPeA)	ng/l						
Total Suspended Solids	mg/l						
Bioremediation Parameters / Other							
Chloride (As Cl)	mg/l	250			25		28
Sulfate (As SO4)	mg/l	250			280		160
Manganese	mg/l	0.3			0.01 U		0.066
Manganese	mg/l	0.3			0.017		0.054
Methane	mg/l				0.007 U		0.0089
Total Organic Carbon	mg/l				2.1		2
Cyanide	mg/l						

Notes:

¹NYSDEC Groundwater Ambient Water Quality Standards and Guidance Values (AWQSGVs) obtained from the Division of Water TOGS 1.1.1. June 1998

²PFAS Guidance Values obtained from NYSDEC Sampling, Analysis, and Assessment of PFAS, November 2022.

³Maximum Contaminant Level, Section 5-1.52, Table 3, of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York.

N = normal sample; WG = groundwater; FD = field duplicate; EB = equipment blank, FB = field blank, TB = trip blank

mg/l = milligrams per liter; ug/l = micrograms per liter; ng/l = nanograms per liter

UJ = Estimated and not detected to the reporting limit.

J = estimated at the value given

- Value exceeds Class GA groundwater quality standard.

Table 5
Summary of Groundwater Quality Parameters
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

	Field Parameters						HACH Field Parameters						Laboratory Parameters											
	DO (mg/L)	pH	ORP (mV)	Temperature (Celsius)	Conductivity (mS/cm)	Turbidity (NTU)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Chloride (mg/L)	Carbon Dioxide (mg/L)	Nitrate (mg/L)	Alkalinity (mg/L)	Total Manganese (mg/L)	Dissolved Manganese (mg/L)	Sulfate (mg/L)	Sulfide (mg/L)	Chloride (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Combined Nitrate-Nitrite (mg/L)	Total Organic Carbon (mg/L)	Methane (mg/L)	Ethane (mg/L)	Ethene (mg/L)
SVE-01	4.25	6.9	297	14.19	1.03	354	1	1	2500	25	0.22	15	0.015	ND	310	ND	34	ND	ND	ND	2.3	ND	ND	ND
SVE-02	0.00	7.53	286	15.11	0.818	14.6	0	0.4	500	15	0.66	10	0.017	ND	280	ND	25	ND	ND	ND	2.1	ND	ND	ND
SVE-03	1.84	7.58	294	14.56	0.871	12	0	0.6	500	17.5	0.88	15	0.054	0.066	160	ND	28	ND	ND	ND	2	0.0089	ND	ND
PVE-01	2.8	7.78	305	15.12	1.36	0	16	0.8	1000	15	0.66	10	N/A											
PVE-02	0.00	7.39	309	15.27	1.69	0	20	0.6	500	15	0.88	10												
MW-07	0.44	7.09	-45	13.09	2.9	0	80	2.4	1000	16.25	0.05	10	0.088	0.09	480	ND	500	ND	ND	ND	3.3	0.077	ND	ND
MW-08	0.5	7.25	51	14.19	1.49	0	80	0	500	16.25	0.05	5	0.07	0.071	250	ND	310	ND	ND	ND	3.2	0.087	ND	ND
MW-09	0.00	7.24	96	13.98	1.15	0	80	0	500	8.75	0.05	5	0.19	0.15	100	ND	150	ND	ND	ND	2.8	0.014	ND	ND
MW-10	0.00	7.15	-105	8.36	3.01	0	80	2	500	22.5	0.05	5	0.089	0.092	580	ND	410	ND	ND	ND	3.2	0.1	ND	ND
MW-11	0.86	7.21	-70	13.29	2.58	0	80	1.4	1000	15	0.05	5	0.093	0.096	420	ND	480	ND	ND	ND	3.9	0.2	ND	ND
MW-12	0.00	7.24	32	13.81	1.4	0	71	0.4	500	8.75	0.05	5	0.081	0.088	130	ND	180	ND	ND	ND	2.4	0.0049	ND	ND
MW-13	0.00	6.94	49	12.14	2.66	0	15	1.6	1500	15	0.05	5	0.081	0.082	500	ND	400	ND	ND	ND	2.9	0.0048	ND	ND
PZ-01	0.00	6.56	124	14.77	2.49	16.7	N/A ³						N/A ³											
PZ-02	0.00	6.83	-47	15.35	1.3	1.6																		
PZ-03	0.18	6.7	29	19.64	1.59	5																		

Notes:

1. HACH test results are for samples collected on April 24-25, 2024. Laboratory results are for samples collected on May 14-15, 2024.
2. Field parameters were measured during the April 24-25, 2024 sampling event, with the exception of the PZs which were measured on May 30, 2024.
3. The PZs had insufficient volume to collect samples for HACH analyses or MNA laboratory analyses.
4. A flow through cell was used to collect DO, pH, ORP, Temp., Cond., and Turbidity for all MWs and PZs. Measurements for SVE and PVE wells were collected by submerging the water quality probes in a cup of well water.

Acronyms:

DO - dissolved oxygen
ORP - oxidation reduction potential
ND - non-detect
N/A - not applicable

TABLE 6A
2022 Soil Vapor Intrusion Data - TO 15 Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Location ID	2532-IA	2532-IA	2532-IA	2532-IA	2532-IA	2532-IA
Sample ID	2532-IA-040622-01	2532-IA-040622-02	2532-IA-040622-03	2532-IA-040622-04	2532-IA-040622-05	2532-0A-040622-06
Matrix	AI	AI	AI	AI	AI	AO
Location	Basement_2	Basement_2	Second Floor Living Room	Second Floor Bedroom	First Floor Exam Room	Outdoor
Sample Type	N	FD	N	N	N	N
Sample Date	4/7/2022	4/7/2022	4/7/2022	4/7/2022	4/7/2022	4/7/2022
Chemical Name	Unit					
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.36 J	0.31 J	1.1 U	1.1 U	0.61 J
1,2,4-Trimethylbenzene	ug/m3	0.22	0.23	0.21	0.1 J	0.17 U
Acetone	ug/m3	35	33	23	23	15
Benzene	ug/m3	0.29	0.32	0.2	0.13	0.3
Carbon Disulfide	ug/m3	1.1 U	1.1 U	0.49 J	0.28 J	1.1 U
Carbon Tetrachloride	ug/m3	0.22 U	0.22 U	0.22 U	0.22 U	0.45
Chloroform	ug/m3	0.17 U	0.17 U	0.17	0.17 U	0.17 U
Chloromethane	ug/m3	1.2	1.2	3.3	3.3	1.3
Cis-1,2-Dichloroethylene	ug/m3	0.41	0.38	0.14 U	0.14 U	0.14 U
Dichlorodifluoromethane	ug/m3	1.1	1.1	1.1	1.4	1.7
Ethanol	ug/m3	240	250	1900	2300	7.6
Ethyl Acetate	ug/m3	1.3 U	0.69 J	9.6	4.2	1.3 U
Ethylbenzene	ug/m3	0.2	0.23	0.16	0.15 U	0.15 U
Isopropanol	ug/m3	210	210	300	180	5.2
m,p-Xylene	ug/m3	0.71	0.8	0.49	0.25 J	0.21 J
Methylene Chloride	ug/m3	4.1	4.2	4.8	3.1	1.2 U
Naphthalene	ug/m3	0.18 U	0.18 U	0.19	0.18 U	0.18 U
N-Heptane	ug/m3	0.22	0.23	0.88	0.12 J	0.14 J
N-Hexane	ug/m3	1.1 J	1 J	1.8 J	4.9 U	4.9 U
O-Xylene (1,2-Dimethylbenzene)	ug/m3	0.28	0.31	0.16	0.085 J	0.091 J
Tetrachloroethylene (PCE)	ug/m3	0.71	0.7	0.24 U	0.24 U	0.27
Tetrahydrofuran	ug/m3	0.18 J	0.17 J	1 U	1 U	1 U
Toluene	ug/m3	1.8	1.8	1	0.49	0.73
Trichloroethylene (TCE)	ug/m3	0.16 J	0.15 J	0.19 U	0.19 U	0.13 J
Trichlorofluoromethane	ug/m3	1.8	1.7	1.7	1.9	1.5
Vinyl Chloride	ug/m3	0.29	0.29	0.11	0.14	0.09 U

Notes:

ug/m3 - micrograms per cubic meter

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

Table 6B
2023 Soil Vapor Intrusion Analytical Data - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation
Niagara Falls, New York

Location ID	2526-IA	2526-IA	2526-IA	2532-IA	2532-IA	2532-IA	2532-IA	2532-IA	2532-IA
Sample ID	2526-IA-012023-01	2526-IA-012023-02	2526-IA-012023-03	2532-IA-012023-01	2532-IA-012023-02	2532-IA-012023-03	2532-IA-012023-04	2532-IA-012023-05	2532-IA-012023-06
Sample Type Code	N	FD	N	N	N	N	N	N	N
Matrix	AI	AI	AI	AI	AI	AI	AI	AI	AO
Location	First Floor Storage Room	First Floor Storage Room	First Floor Front Room	Basement_2	Basement_2	Second Floor Living Room	Second Floor Bedroom	First Floor Exam Room	Outdoor
SDG	23A2215	23A2215	23A2215	23A2215	23A2215	23A2215	23A2215	23A2215	23A2215
Lab Sample ID	23A2215-07	23A2215-08	23A2215-09	23A2215-01	23A2215-02	23A2215-03	23A2215-04	23A2215-05	23A2215-06
Sample Date	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023	1/20/2023
Chemical Name	Unit								
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.61 J	0.66 J	0.48 J	1.1 U	0.33 J	0.34 J	1.1 U	0.47 J
1,2,4-Trimethylbenzene	ug/m3	0.16 J	0.24	0.29	0.41	0.42	0.89	0.4	0.55
1,2-Dibromoethane (Ethylene Dibromide)	ug/m3	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,3,5-Trimethylbenzene (Mesitylene)	ug/m3	0.17 U	0.17 U	0.17 U	0.12 J	0.11 J	0.17	0.17 U	0.12 J
1,3-Butadiene	ug/m3	0.13	0.12	0.24	0.078 U	0.078 U	0.078 U	0.11	0.078 U
1,4-Dichlorobenzene	ug/m3	0.21 U	0.21 U	0.21 U	0.21	0.22	0.27	0.21 U	0.24
2-Hexanone	ug/m3	0.22	0.26	0.14 J	0.31	0.38	0.14 U	0.16	0.31
4-Ethyltoluene	ug/m3	0.17 U	0.17 U	0.17 U	0.13 J	0.11 J	0.21	0.17 U	0.15 J
Acetone	ug/m3	56	58	16	22	30	37	26	45
Benzene	ug/m3	0.77	0.79	0.79	0.79	0.8	1.2	0.67	1.2
Bromomethane	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.1 J	0.14 U	0.14 U
Carbon Disulfide	ug/m3	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.12 J	1.1 U	1.1 U
Carbon Tetrachloride	ug/m3	0.45	0.48	0.45	0.2 J	0.27	0.3	0.23	0.45
Chloroethane	ug/m3	0.093 UJ	0.093 UJ	0.093 UJ	0.093 UJ	0.093 UJ	0.093 UJ	0.093 UJ	0.093 UJ
Chloroform	ug/m3	0.28	0.28	0.17 U	0.17 U	0.17	0.24	0.21	0.3
Chloromethane	ug/m3	0.84	0.81	1.1	0.79	0.77	1.2	1.1	0.81
Cis-1,2-Dichloroethylene	ug/m3	0.14 U	0.14 U	0.14 U	0.29	0.32	0.11 J	0.14 U	0.16
Cyclohexane	ug/m3	0.11 J	0.1 J	0.082 J	0.33	0.39	0.5	0.23	0.76
Dichlorodifluoromethane	ug/m3	1.2	1.2	1.3	1.1	1.1	1.4	1.4	1.3
Ethanol	ug/m3	59 J	59 J	180	130	120	890	650	1500
Ethyl Acetate	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	58	2.3	1.3 U
Ethylbenzene	ug/m3	0.16	0.15 J	0.16	0.35	0.36	1.2	0.35	0.44
Isopropanol	ug/m3	130	95	46 J	250	210	1300	610	3000
m,p-Xylene	ug/m3	0.41	0.42	0.45	1.4	1.4	3.4	1.3	1.6
Methyl Ethyl Ketone (2-Butanone)	ug/m3	1.2 J	1.6 J	4.1 U	1.4 J	1.7 J	4.1 U	4.1 U	1.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/m3	0.2	0.22	0.13 J	0.14 U	0.1 J	0.14 U	0.098 J	0.19
Methylene Chloride	ug/m3	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
N-Heptane	ug/m3	0.29	0.27	0.24	0.55	0.45	0.91	0.53	0.64
N-Hexane	ug/m3	0.67 J	0.7 J	4.9 U	2 J	2 J	3.8 J	1.6 J	3.2 J
O-Xylene (1,2-Dimethylbenzene)	ug/m3	0.28	0.3	0.29	0.48	0.53	1	0.44	0.6
Styrene	ug/m3	0.13 J	0.14 J	0.12 J	0.15 U	0.15 U	0.43	0.11 J	0.11 J
Tetrachloroethylene (PCE)	ug/m3	4.9	5	0.95	0.79	0.81	0.8	0.35	0.69
Toluene	ug/m3	0.92	0.97	1.1	3.7	3.8	7.3	3.1	4.2
Trichloroethylene (TCE)	ug/m3	0.15 J	0.15 J	0.19 U	0.19	0.21	0.13 J	0.19 U	0.15 J
Trichlorofluoromethane	ug/m3	4.4	4.8	1.4	1.5	1.6	1.9	1.4	8.3
Vinyl Acetate	ug/m3	0.92 J	0.93 J	0.89 J	2.5 U	2.6	2 J	1.3 J	2.5 U
Vinyl Chloride	ug/m3	0.09 U	0.09 U	0.09 U	0.09 U	0.09	0.09 U	0.09 U	0.09 U

Notes:

ug/m3 - micrograms per cubic meter

U = Not detected above laboratory standard; UJ =

Estimated and not detected at the value given; J =

estimated at the value given

Indoor air sample results are evaluated using the decision matrices included in NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 2006), and subsequent updates (2017 and 2024). These decision matrices require indoor air sample results be compared to sub-slab air concentrations for site COCs to establish required actions (identify sources and resample, monitor, and/or mitigate).

Table 6C
2024 Soil Vapor Intrusion Sampling - Detected Compounds
Time 1-Hour Cleaners Phase II Remedial Investigation Report
Niagara Falls, New York

Location ID	2532-IA	2532-IA	2532-IA	2532-IA	2532-IA	2532-IA	2532-IA
Sample ID	2532-IA-042324-01	2532-IA-042324-02	2532-IA-042324-03	2532-IA-042324-04	2532-IA-042324-05	2532-IA-042324-06	2532-0A-042324-01
Matrix	AI	AI	AI	AI	AI	AI	AO
Location	Basement_1	Basement_2	Basement_2	First Floor Exam Room	Second Floor Living Room	Second Floor Bedroom	Outdoor
Lab Sample ID	24D3076-01	24D3076-02	24D3076-03	24D3076-04	24D3076-05	24D3076-06	24D3076-08
SDG	24D3076	24D3076	24D3076	24D3076	24D3076	24D3076	24D3076
Sample Date	4/24/2024	4/24/2024	4/24/2024	4/24/2024	4/24/2024	4/24/2024	4/24/2024
Sample Type Code	N	N	FD	N	N	N	N
Chemical Name	Unit						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.4 J	0.41 J	0.38 J	0.49 J	0.4 J	0.41 J
1,2,4-Trichlorobenzene	ug/m3	0.52 U	0.52 U	0.46 J	0.52 U	0.52 U	0.52 U
1,2,4-Trimethylbenzene	ug/m3	3.6	3.9	3.9	1.1	0.6	0.52
1,2-Dichlorobenzene	ug/m3	0.21 U	0.21 U	0.084 J	0.21 U	0.21 U	0.21 U
1,2-Dichloroethane	ug/m3	0.13 J	0.12 J	0.14	0.27	0.12 J	0.1 J
1,2-Dichlorotetrafluoroethane	ug/m3	0.13 J	0.12 J	0.12 J	0.14 J	0.11 J	0.11 J
1,3,5-Trimethylbenzene (Mesitylene)	ug/m3	0.83	0.9	0.89	0.23	0.15 J	0.17 U
1,4-Dichlorobenzene	ug/m3	2.1	2.3	2.2	0.49	0.28	0.25
2,2,4-Trimethylpentane	ug/m3	2.3	2.4	2.5	0.6	0.38 J	0.33 J
Benzene	ug/m3	3.6 J	2.8 J	2.8 J	1.4 J	0.66 J	0.56 J
Benzyl Chloride	ug/m3	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ
Carbon Tetrachloride	ug/m3	0.53 J	0.44 J	0.46 J	0.6 J	0.44 J	0.45 J
Chloroform	ug/m3	0.16 J	0.17 U	0.17 U	0.31	0.35	0.33
Chloromethane	ug/m3	1	1	1	1.1	1.6	1.5
Cis-1,2-Dichloroethylene	ug/m3	0.54	0.61	0.64	0.29	0.14 U	0.14 U
Cyclohexane	ug/m3	2.3	2.7	2.6	1.6	0.35	0.26
Dichlorodifluoromethane	ug/m3	1.9	2	1.8	2.1	1.7	1.6
Ethanol	ug/m3	1400 J	1500 J	1500 J	9200 J	2000 J	2100 J
Ethylbenzene	ug/m3	3.4	3.5	3.5	1	0.6	0.53
m,p-Xylene	ug/m3	13	13	13	3.6	1.9	1.7
Methylene Chloride	ug/m3	0.38 J	0.39 J	0.41 J	0.5 J	0.38 J	0.39 J
Naphthalene	ug/m3	0.49 J	0.53 J	0.65 J	0.36 J	0.27 J	0.24 J
N-Heptane	ug/m3	4	4.5	4.5	1.2	0.85	0.71
N-Hexane	ug/m3	12	13	13	17	4.9 U	4.9 U
O-Xylene (1,2-Dimethylbenzene)	ug/m3	4.2	4.5	4.5	1.3	0.71	0.64
Styrene	ug/m3	0.15 U	0.15 U	0.15 U	0.15 U	0.2	0.18
Tert-Butyl Alcohol	ug/m3	0.35 J	0.36 J	0.38 J	2.1	0.33 J	0.39 J
Tetrachloroethylene (PCE)	ug/m3	6	5.6	5.8	1	2.2	1.9
Toluene	ug/m3	22	23	23	5.9	3.5	3
Trichloroethylene (TCE)	ug/m3	0.6	0.56	0.57	0.19	0.19 U	0.19 U
Trichlorofluoromethane	ug/m3	2.6	2.6	2.6	9.7	1.5	1.4
Vinyl Chloride	ug/m3	0.089 U	0.11	0.093	0.089 U	0.089 U	0.089 U

Notes:

ug/m3 - micrograms per cubic meter

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

Indoor air sample results are evaluated using the decision matrices included in NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 2006), and subsequent updates (2017 and 2024).

These decision matrices require indoor air sample results be compared to sub-slab air concentrations for site COCs to establish required actions (identify sources and resample, monitor, and/or mitigate).

APPENDIX A – SUMMARY OF HISTORICAL SAMPLE COLLECTION

Table A1
Time 1-Hour Cleaners
Phase II Remedial Investigation Report
Cummulative Soil Sampling Summary

Location ID	Total Depth (ft)	Install Date	Analytical Sample Depth (ft)	Matrix	Analytical Sample Type	Sampling Date	VOCs	SVOCs	1,4-Dioxane	Metals	Pesticides	Herbicides	PCBs	Metals + Mercury	PFAS 1633
PHASE I RI SAMPLES															
SURFACE SOILS															
SS-01	0.5	4/25/2014	0.0-0.5	Soil	Normal	4/25/2014	x	x	-	x	x	x	x	x	-
SS-02	0.5	4/23/2014	0.0-0.5	Soil	Normal/Duplicate	4/23/2014	x	x	-	x	x	x	x	x	-
SS-03	0.5	4/22/2014	0.0-0.5	Soil	Normal	4/22/2014	x	x	-	x	x	x	x	x	-
SOIL BORINGS															
MW-02	17.2	4/25/2014	5.0-7.0	Soil	Normal	04/25/2014	x	x	-	x	x	x	x	x	-
			15.0-17.0	Soil	Normal	04/25/2014	x	x	-	x	x	x	x	x	-
MW-04	16	4/23/2014	11.0-13.0	Soil	Normal/Duplicate	04/23/2014	x	x	-	x	x	x	x	x	-
			15.0-16.0	Soil	Normal	4/23/2014	x	x	-	x	x	x	x	x	-
MW-05	15.5	4/23/2014	11.0-13.0	Soil	Normal	4/23/2014	x	x	-	x	x	x	x	x	-
MW-06	16.8	4/25/2014	15.0-16.8	Soil	Normal	4/23/2014	x	x	-	x	x	x	x	x	-
SB-06	18.7	4/22/2014	11.0-13.0	Soil	Normal	04/22/2014	x	x	-	x	x	x	x	x	-
			17.0-18.0	Soil	Normal	04/22/2014	x	x	-	x	x	x	x	x	-
SB-07	17.2	4/24/2014	11.0-13.0	Soil	Normal	04/24/2014	x	x	-	x	x	x	x	x	-
			15.0-17.0	Soil	Normal	04/24/2014	x	x	-	x	x	x	x	x	-
SB-09	16.3	4/24/2014	5.0-7.0	Soil	Normal	04/24/2014	x	x	-	x	x	x	x	x	-
			15.0-19.0	Soil	Normal	04/24/2014	x	x	-	x	x	x	x	x	-
SB-10	16	6/20/2018	9.0-10.0	Soil	Normal/Duplicate	06/20/2018	x	x	-	x	x	x	x	x	-
SB-11	4	7/6/2018	05.-1.0	Soil	Normal	07/06/2018	x	x	-	x	x	x	x	x	-
			2.0-2.5	Soil	Normal	07/06/2018	x	x	-	x	x	x	x	x	-
			3.0-4.0	Soil	Normal	07/06/2018	x	x	-	x	x	x	x	x	-
BEDROCK MONITORING WELLS															
MW-07	27	6/12/2018	11.5-12.0	Soil	Normal	06/11/2018	x	x	-	x	x	x	x	x	-
MW-09	28	6/19/2018	14.5-15.5	Soil	Normal	06/18/2018	x	x	-	x	x	x	x	x	-
PHASE II RI SAMPLES															
SOIL BORINGS															
SB-13	15.6	11/7/2023	1.0-1.5	Soil	Normal/Duplicate	11/07/2023	x	x	x	x	x	x	x	x	x
			8.0-10.0	Soil	Normal	11/16/2023	x	x	x	x	x	x	x	x	x
			11.0-12.6	Soil	Normal	11/16/2023	x	x	x	x	x	x	x	x	x
			12.6-13.5	Soil	Normal	11/16/2023	x	x	x	x	x	x	x	x	x
BEDROCK MONITORING WELLS															
MW-07	27	6/12/2018	11.5-12.0	Soil	Normal	06/11/2018	x	x	-	x	x	x	x	x	-
MW-09	28	6/19/2018	14.5-15.5	Soil	Normal	06/18/2018	x	x	-	x	x	x	x	x	-
MW-10	28.1	11/10/2023	1.0-1.5	Soil	Normal	11/08/2023	x	x	x	x	x	x	x	x	x
			8.0-10	Soil	Normal	11/08/2023	x	x	x	x	x	x	x	x	x
			11.5-14.0	Soil	Normal	11/08/2023	x	x	x	x	x	x	x	x	x
MW-11	26.8	11/7/2023	0.5-1.0	Soil	Normal	11/03/2023	x	x	x	x	x	x	x	x	x
			8.0-10.0	Soil	Normal	11/06/2023	x	x	x	x	x	x	x	x	x
			12.0-14.0	Soil	Normal	11/06/2023	x	x	x	x	x	x	x	x	x
			14.0-15.0	Soil	Normal	11/06/2023	x	x	x	x	x	x	x	x	x
MW-12	28.8	11/17/2023	1.5-2.0	Soil	Normal/Duplicate	11/15/2023	x	x	x	x	x	x	x	x	x
			8.0-10.0	Soil	Normal	11/15/2023	x	x	x	x	x	x	x	x	x
			13.0-15.0	Soil	Normal	11/15/2023	x	x	x	x	x	x	x	x	x
MW-13	27.5	11/14/2023	1.3-1.8	Soil	Normal	11/07/2023	x	x	x	x	x	x	x	x	x
			8.0-10.0	Soil	Normal	11/09/2023	x	x	x	x	x	x	x	x	x
			11.0-13.0	Soil	Normal	11/09/2023	x	x	x	x	x	x	x	x	x
			13.0-13.5	Soil	Normal	11/09/2023	x	x	x	x	x	x	x	x	x

Table A1
Time 1-Hour Cleaners
Phase II Remedial Investigation Report
Cummulative Soil Sampling Summary

Location ID	Total Depth (ft)	Install Date	Analytical Sample Depth (ft)	Matrix	Analytical Sample Type	Sampling Date	VOCs	SVOCs	1,4-Dioxane	Metals	Pesticides	Herbicides	PCBs	Metals + Mercury	PFAS 1633
OVERBURDEN PIEZOMETERS															
PZ-01	15.7	11/3/2023	1.5-2.0	Soil	Normal	11/03/2023	x	x	x	x	x	x	x	x	x
			8.0-10.0	Soil	Normal	11/03/2023	x	x	x	x	x	x	x	x	
			11.0-13.0	Soil	Normal	11/03/2023	x	x	x	x	x	x	x	x	
			13.0-15.0	Soil	Normal	11/03/2023	x	x	x	x	x	x	x	x	
PZ-02	15.7	11/13/2023	1.5-2.0	Soil	Normal	11/10/2023	x	x	x	x	x	x	x	x	x
			8.0-10.0	Soil	Normal	11/13/2023	x	x	x	x	x	x	x	x	
			11.0-13.0	Soil	Normal	11/13/2023	x	x	x	x	x	x	x	x	
			13.0-15.0	Soil	Normal	11/13/2023	x	x	x	x	x	x	x	x	
PZ-03	15.3	11/16/2023	2.5-3.0	Soil	Normal	11/16/2023	x	x	x	x	x	x	x	x	x
			8.0-10.0	Soil	Normal	11/16/2023	x	x	x	x	x	x	x	x	
			10.0-11.0	Soil	Normal	11/16/2023	x	x	x	x	x	x	x	x	
			12.5-13.5	Soil	Normal	11/16/2023	x	x	x	x	x	x	x	x	
SVE SYSTEM															
PVE-01	5	6/24/2019	2.0-3.0	Soil	Normal	06/24/2019	x	x	-	x	x	x	x	x	-
PVE-02	5	6/24/2019	2.0-3.0	Soil	Normal/Duplicate	06/24/2019	x	x	-	x	x	x	x	x	-
SVE-01	5	6/24/2019	0.0-1.0	Soil	Normal	06/24/2019	x	x	-	x	x	x	x	x	-
SVE-02	5	6/24/2019	2.0-3.0	Soil	Normal	06/24/2019	x	x	-	x	x	x	x	x	-
SVE-03	5	6/25/2019	0.0-1.0	Soil	Normal	06/25/2019	x	x	-	x	x	x	x	x	-

Table A2
Time 1-Hour Cleaners
Phase II Remedial Investigation Report
Cumulative Water Sampling Summary

Location ID	Analytical Sample Type	Sampling Date	Remedial Investigation Phase	VOCs	SVOCs	1,4-Dioxane	Pesticides	Herbicides	PCBs	Metals + Mercury	Cyanide	PFAS 1633	Bioremediation
BEDROCK GROUNDWATER MONITORING WELLS													
MW-07	Normal	07/12/2018	Phase I	x	x	-	x	x	x	x	x	-	-
	Normal	04/25/2024	Phase II	x	x	x	x	x	x	x	x	x	x
	Normal	05/15/2024	Phase II	-	-	-	-	-	-	-	-	-	x
MW-08	Normal/Duplicate	07/12/2018	Phase I	x	x	-	x	x	x	x	x	-	-
	Normal	04/25/2024	Phase II	x	x	x	x	x	x	x	x	x	x
	Normal	05/15/2024	Phase II	-	-	-	-	-	-	-	-	-	x
MW-09	Normal	07/12/2018	Phase I	x	x	-	x	x	x	x	x	-	-
	Normal	04/25/2024	Phase II	x	x	x	x	x	x	x	x	x	x
	Normal	05/15/2024	Phase II	-	-	-	-	-	-	-	-	-	x
MW-10	Normal	07/12/2018	Phase I	x	x	-	x	x	x	x	x	-	-
	Normal	04/25/2024	Phase II	x	x	x	x	x	x	x	x	x	x
	Normal	05/15/2024	Phase II	-	-	-	-	-	-	-	-	-	x
MW-11	Normal/Duplicate	04/25/2024	Phase II	x	x	x	x	x	x	x	x	x	x
	Normal	05/15/2024	Phase II	-	-	-	-	-	-	-	-	-	x
MW-12	Normal	04/25/2024	Phase II	x	x	x	x	x	x	x	x	x	x
	Normal	05/15/2024	Phase II	-	-	-	-	-	-	-	-	-	x
MW-13	Normal	04/24/2024	Phase II	x	x	x	x	x	x	x	x	x	x
	Normal	05/15/2024	Phase II	-	-	-	-	-	-	-	-	-	x

Table A2
Time 1-Hour Cleaners
Phase II Remedial Investigation Report
Cumulative Water Sampling Summary

Location ID	Analytical Sample Type	Sampling Date	Remedial Investigation Phase	VOCs	SVOCs	1,4-Dioxane	Pesticides	Herbicides	PCBs	Metals + Mercury	Cyanide	PFAS 1633	Bioremediation
SVE SYSTEM WELLS/OVERBURDEN GROUNDWATER WELLS													
PVE-01	Normal	04/24/2024	Phase II	x	-	-	-	-	-	-	-	-	-
PVE-02	Normal	04/24/2024	Phase II	x	-	-	-	-	-	-	-	-	-
SVE-01	Normal/Duplicate	04/24/2024	Phase II	x	-	-	-	-	-	-	-	-	-
	Normal	05/14/2024	Phase II	-	-	-	-	-	-	-	-	-	x
SVE-02	Normal	04/24/2024	Phase II	x	-	-	-	-	-	-	-	-	-
	Normal	05/14/2024	Phase II	-	-	-	-	-	-	-	-	-	x
SVE-03	Normal	04/24/2024	Phase II	x	-	-	-	-	-	-	-	-	-
	Normal	05/14/2024	Phase II	-	-	-	-	-	-	-	-	-	x
OVERBURDEN PIEZOMETERS													
PZ-01	Normal	04/24/2024	Phase II	x	-	-	-	-	-	-	-	-	-
PZ-02	Normal	04/24/2024	Phase II	x	-	-	-	-	-	-	-	-	-
PZ-03	Normal	04/24/2024	Phase II	x	-	-	-	-	-	-	-	-	-
Grab Water Samples													
SB-11	Normal	07/06/2018	Phase I	x	x	x	x	x	x	x	x	x	x
Sub Slab - DiLaura DDS	Normal	06/22/2015	Phase I	x	-	-	-	-	-	-	-	-	-
DiLaura DDS Sump	Normal	09/10/2015	Phase I	x	-	-	-	-	-	-	-	-	-

TABLE A3
Time 1-Hour Cleaners Site
Phase II Remedial Investigation Report
Cummulative Air Sample Summary

Location ID	Analytical Sample Type	Sampling Date	Remedial Investigation Phase	T0-15
Time 1-Hour Cleaners				
1st Floor - Exhaust North	Indoor Air	09/11/2015	Phase I	x
1st Floor - Exhaust - South	Indoor Air	09/11/2015	Phase I	x
1st Floor - Retail Area	Indoor Air	03/21/2017	Phase I	x
		01/20/2023	Phase II	x
1st Floor - Storage Room	Sub-Slab-1	7/20/2011 ¹	-	x
	Sub-Slab-2	7/20/2011 ¹	-	x
	Sub-Slab -1	03/16/2012	-	x
	Sub-Slab-2	03/16/2012	-	x
	Indoor Air	03/26/2014	Phase I	x
	Sub-Slab	03/16/2014	Phase I	x
	Indoor Air	03/21/2017	Phase I	x
		01/20/2023	Phase II	x
2nd Floor - Hall	Indoor Air-1	03/16/2012	-	x
	Indoor Air-2	03/16/2012	-	x
DiLaura DDS				
1st Floor - Garage	Indoor Air	09/11/2015	Phase I	x
	Sub-slab	03/31/2016	Phase I	x
1st Floor - Office	Indoor Air	3/15/2012 ¹	Phase II	x
		03/31/2015	Phase I	x
		09/11/2015	Phase I	x
		08/18/2016	Phase I	x
		03/31/2016	Phase I	x
		08/18/2016	Phase I	x
		11/17/2016	Phase I	x
		12/04/2020	Phase II	x
		04/21/2021	Phase II	x
		04/06/2022	Phase II	x
		01/20/2023	Phase II	x
		04/23/2024	Phase II	x
2nd Floor - Bedroom 1	Indoor Air	11/17/2016	Phase I	x
		12/08/2018	Phase I	x
2nd Floor - Bedroom 3	Indoor Air	11/17/2016	Phase I	x
		12/08/2018	Phase I	x

TABLE A3
Time 1-Hour Cleaners Site
Phase II Remedial Investigation Report
Cummulative Air Sample Summary

Location ID	Analytical Sample Type	Sampling Date	Remedial Investigation Phase	T0-15
DiLaura DDS (cont'd)				
2nd Floor - Landing	Indoor Air	3/15/2012 ¹	-	x
		09/11/2015	Phase I	x
		08/18/2016	Phase I	x
		03/31/2016	Phase I	x
		11/17/2016	Phase I	x
2nd Floor - Living Room	Indoor Air	11/17/2016	Phase I	x
		12/08/2018	Phase I	x
		04/22/2021	Phase II	x
		04/06/2022	Phase II	x
		12/02/2023	Phase II	x
		04/23/2024	Phase II	x
2nd Floor - Master Bedroom	Indoor Air	11/17/2016	Phase I	x
		12/04/2020	Phase II	x
		04/22/2021	Phase II	x
		04/06/2022	Phase II	x
		04/06/2022	Phase II	x
		01/20/2023	Phase II	x
		04/23/2024	Phase II	x
Basement	Sub-Slab	3/15/2012 ¹	-	x
		3/26/2014 ²	Phase I	x
	Indoor Air	3/15/2012 ¹	-	x
		03/26/2014	Phase I	x
		03/31/2015	Phase I	x
		09/11/2015	Phase I	x
		11/17/2016	Phase I	x
		03/31/2016	Phase I	x
		12/08/2018	Phase I	x
		12/04/2020	Phase II	x
		04/22/2021	Phase II	x
		04/06/2022	Phase II	x
		01/20/2023	Phase II	x
		04/23/2024	Phase II	x

TABLE A3
Time 1-Hour Cleaners Site
Phase II Remedial Investigation Report
Cummulative Air Sample Summary

Location ID	Analytical Sample Type	Sampling Date	Remedial Investigation Phase	T0-15
Outdoor				
DiLaura DDS - 2nd Floor Balcony	Ambient Air	09/11/2015	Phase I	x
		11/17/2016	Phase I	x
Upwind	Ambient Air	09/11/2015	Phase I	x
		03/31/2016	Phase I	x
		08/18/2016	Phase I	x
		11/17/2016	Phase I	x
		03/21/2017	Phase I	x
DiLaura DDS - Near Garage	Ambient Air	09/11/2015	Phase I	x
Grass Area	Ambient Air	3/15/2012 ¹	-	x
		03/26/2014	Phase I	x
		03/31/2015	Phase I	x
		09/11/2015	Phase I	x
		03/31/2016	Phase I	x
		12/08/2018	Phase I	x
		12/04/2020	Phase II	x
		04/22/2021	Phase II	x
		04/06/2022	Phase II	x
		01/20/2023	Phase II	x
		04/23/2024	Phase II	x
Building 3				
1st Floor - Office	Indoor Air	03/21/2017	Phase I	x
	Sub-slab	03/21/2017	Phase I	x
1st Floor - Storage Room	Indoor Air	03/21/2017	Phase I	x
	Sub-slab	03/21/2017	Phase I	x
2nd Floor - Bedroom	Indoor Air	03/21/2017	Phase I	x

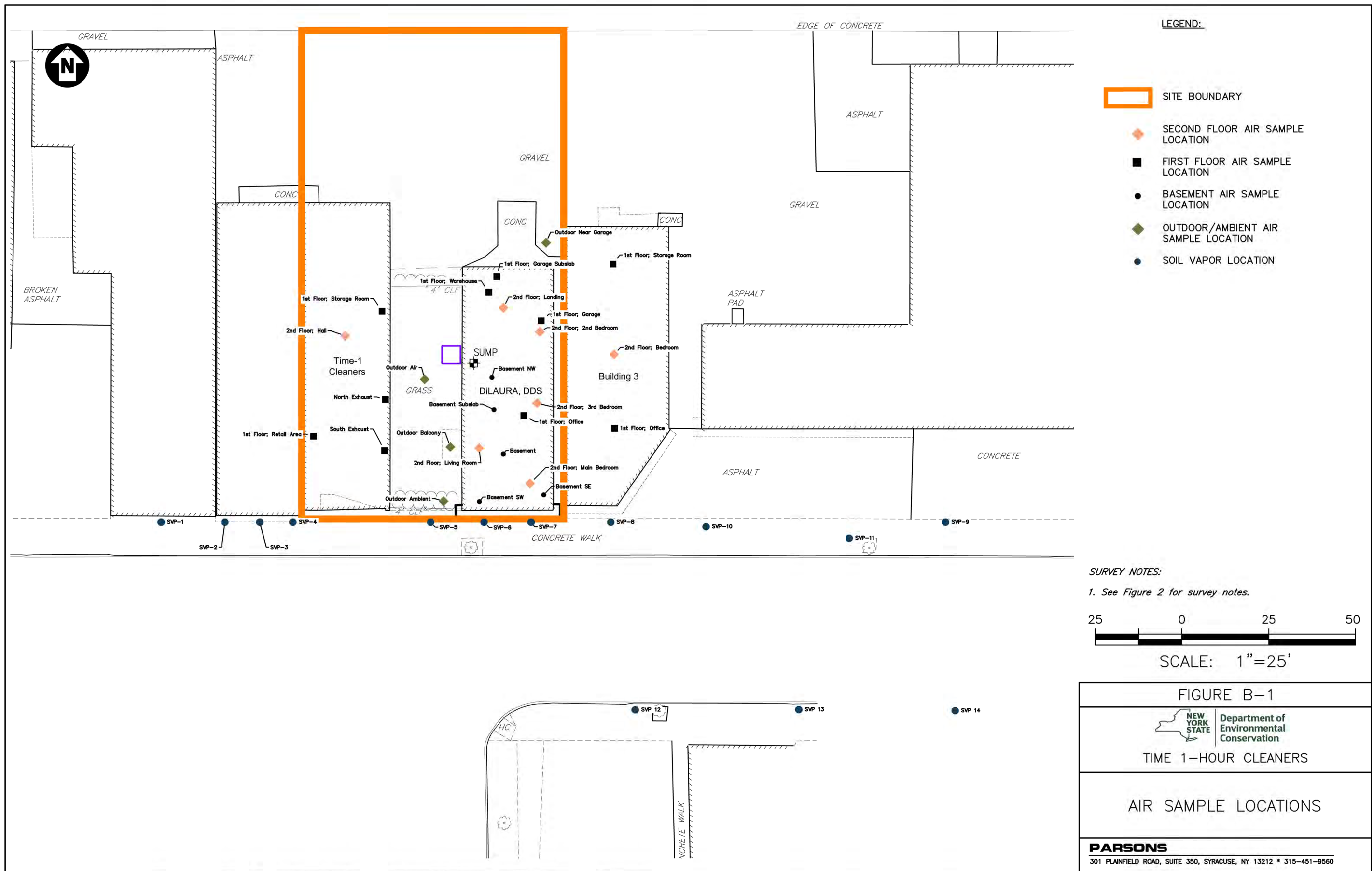
1. Indicates samples collected prior to Parsons involvement in 2014
2. Water beneath the basement slab was pulled into the sample tubing during sub-slab air sampling, which plugged the tubing and prevented a complete air sample from being collected. Data included is not representative of a true 24-Hour collection period.

APPENDIX B - CUMULATIVE SOIL VAPOR INTRUSION INVESTIGATION SUMMARY

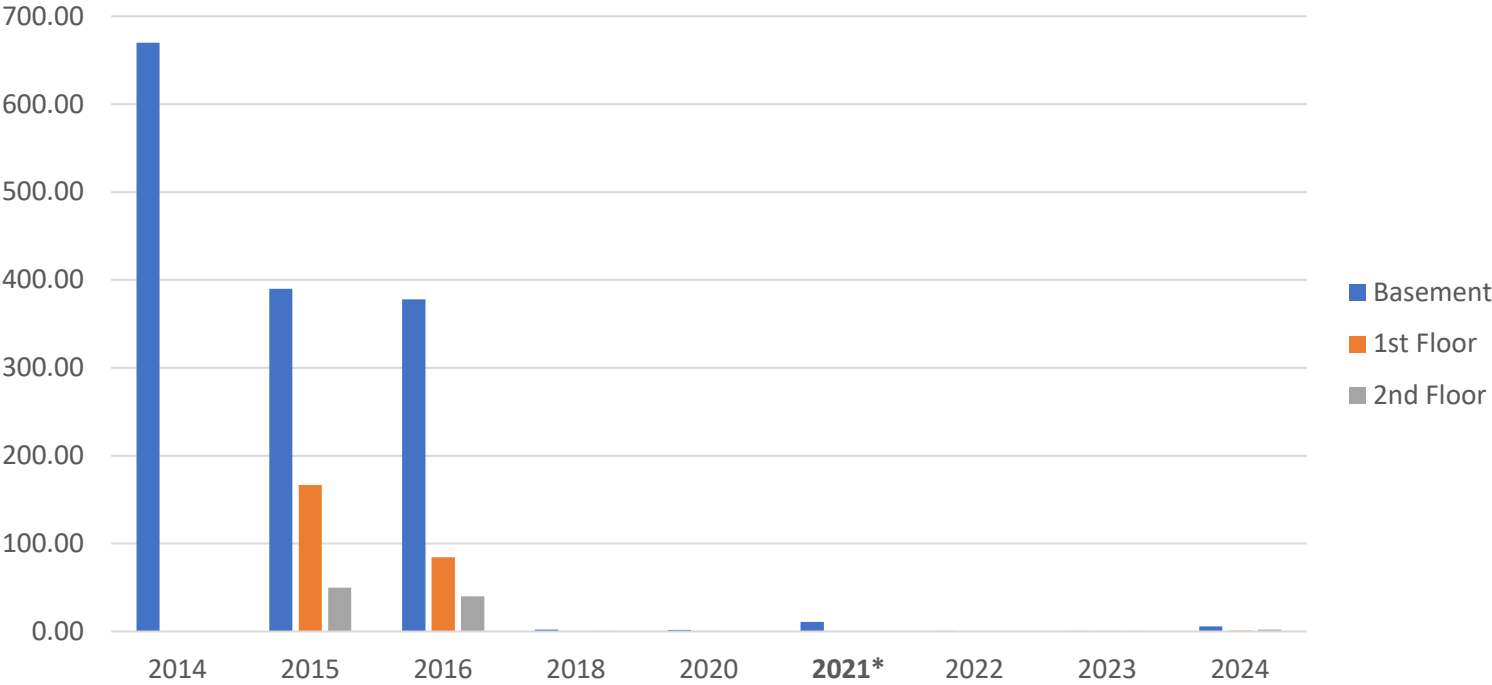
Air Sample Summary
Time 1-Hour Cleaners Site
Niagara Falls, New York

Building	Floor	Room/Location	2011	2012	2014	2015	2016	2017	2018	2020	2021	2022	2023	2024
Building 3	1st Floor	Office						2935E-IA-032117-02 2935E-SS-032117-02						
		Storage Room						2935E-IA-032117-01 2935E-SS-032117-01						
	2nd Floor	Bedroom						2935E-IA-032117-03						
DiLaura DDS	1st Floor	Garage				2865E-IA-091115-05	2865E-SS-0333116-01							
							2865E-IA-0333116-03 2865E-IA-081816-DUP							
		Office				2865E-FF-033115 2865E-IA-091115-03	2865E-IA-081816-03			2532-IA-120420-05	2532-IA-42221-05	2532-IA-040622-05	2532-IA-01202023-05	2532-IA-042324-04
		Warehouse		Building # 1 1st Floor										
	2nd Floor	2nd Bedroom					2865E-IA-111716-06		2532-IA-120818-01					
		3rd Bedroom					2865E-IA-111716-05		2532-IA-120818-03					
							2865E-IA-081816-04 2865E-IA-0333116-04 2865E-IA-111716-04 2865E-IA-111716-DUP							
		Landing		Building # 1 2nd Floor		2865E-IA-091115-04								
		Living Room					2865E-IA-111716-07		2532-IA-120818-02	2532-IA-120420-03	2532-IA-42221-03	2532-IA-040622-03	2532-IA-01202023-03	2532-IA-042324-05
		Main Bedroom					2865E-IA-111716-08			2532-IA-120420-04	2532-IA-42221-04	2532-IA-040622-04	2532-IA-01202023-04	2532-IA-042324-06
	Basement			Building #1 SS Building # 1 SS DUP Building # 1 Basement	2865E-SS-032614 2865E-IA-032614 IAD-032614	2865E-IA-033115 IAD-033115	2865E-IA-111716-01		2532-IA-120818-04 2532-IA-120818-05	2532-IA-120420-01 2532-IA-120420-02	2532-IA-42221-01 2532-IA-42221-02	2532-IA-040622-01 2532-IA-040622-02	2532-IA-01202023-01 2532-IA-01202023-02	2532-IA-042324-02 2532-IA-042324-03
		Basement				2865E-IA-091115-02 2865E-IA-091115-DUP								
		Basement NW					2865E-IA-0333116-01							
		Basement SE				2865E-IA-091115-01								
		Basement SW												2532-IA-042324-01
Time-1 Cleaners	1st Floor	Exhaust North				2526-MS-091115-01								
		Exhaust South				2526-MS-091115-02								
		Retail Area						2859E-IA-032117-01					2526-IA-01202023-03	
		Storage Room	SUBSLAB-1 SUBSLAB-2	008 (3/16/2012) 007 (3/16/2012)	2859E-IA-032614 2859E-SS-032614			2859E-IA-032117-02 2859E-IA-032117-DUP					2526-IA-01202023-01 2526-IA-01202023-02	
	2nd Floor	Hall		009 (3/16/2012) 010 (3/16/2012)										
outdoor	1st Floor	Near Garage				2865E-OA-091115-01								
							2865E-OA-0333116-04 2865E-OA-0333116-03							
		Outside		Building # 1 Outdoor	AA-32614 AA-32614	AA-033115 2865E-OA-091115-03	2865E-OA-081816-03		2532-OA-120818-01	2532-OA-120420-01	2532-OA-042221-01	2532-OA-040622-06	2532-OA-01202023-01	2532-OA-042324-01
		Upwind				2865E-AA-091115-01	2865E-AA-0333116-01 2865E-AA-081816-01 2865E-OA-111716-03 2865E-AA-111716-01	2935E-AA-032117-01 2935E-AA-032117-01						
		Balcony				2865E-OA-091115-02	2865E-OA-111716-02							

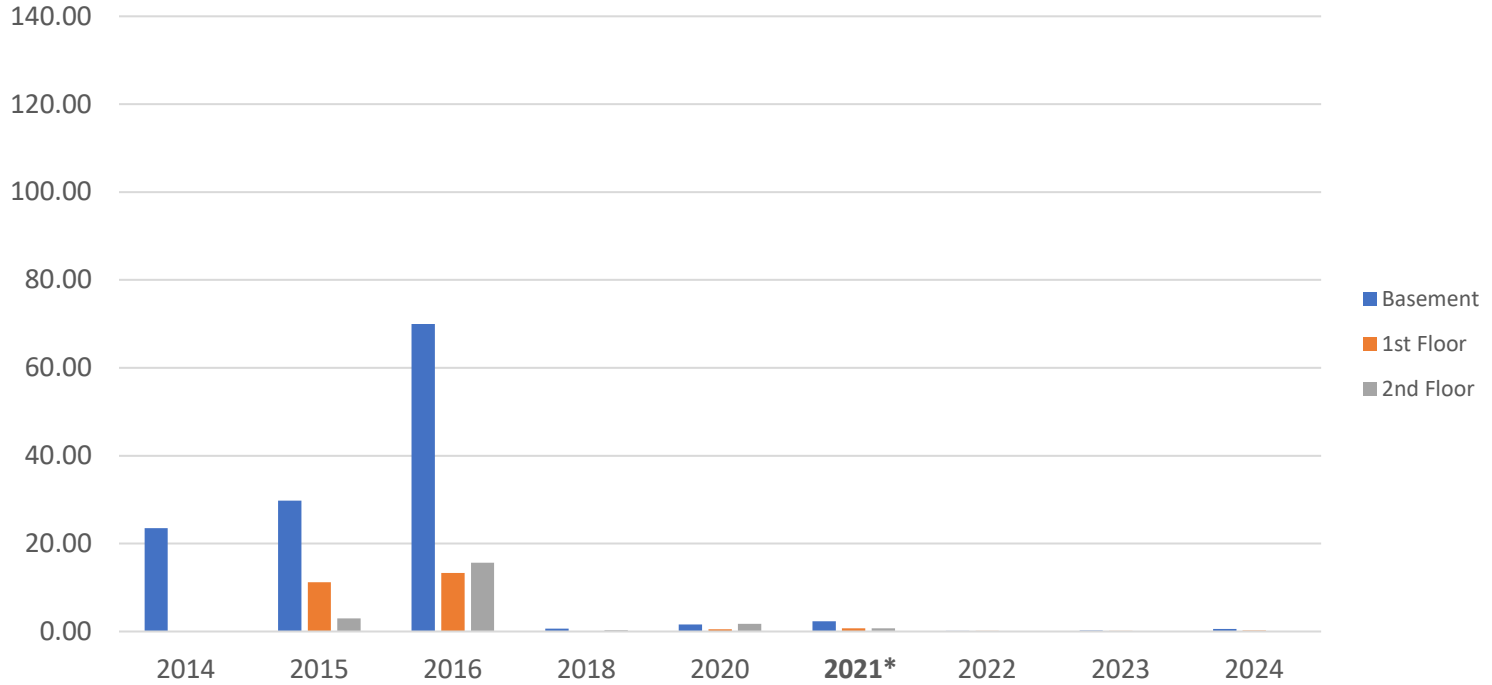
Note:
Sample 2865E-SS-032614 was incomplete due to water entering the tubing
Grey shading indicates a sample was not collected from this location during that sampling year.



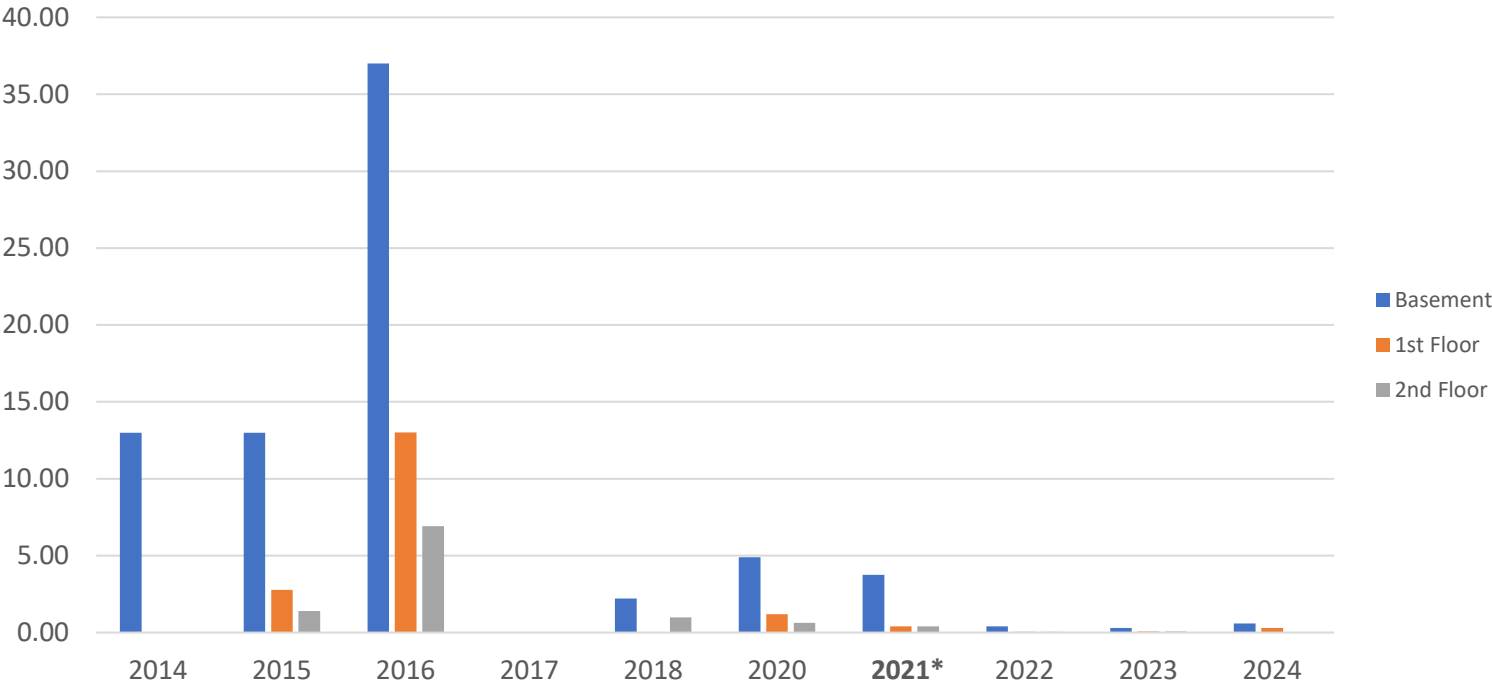
Tetrachloroethylene (PCE)



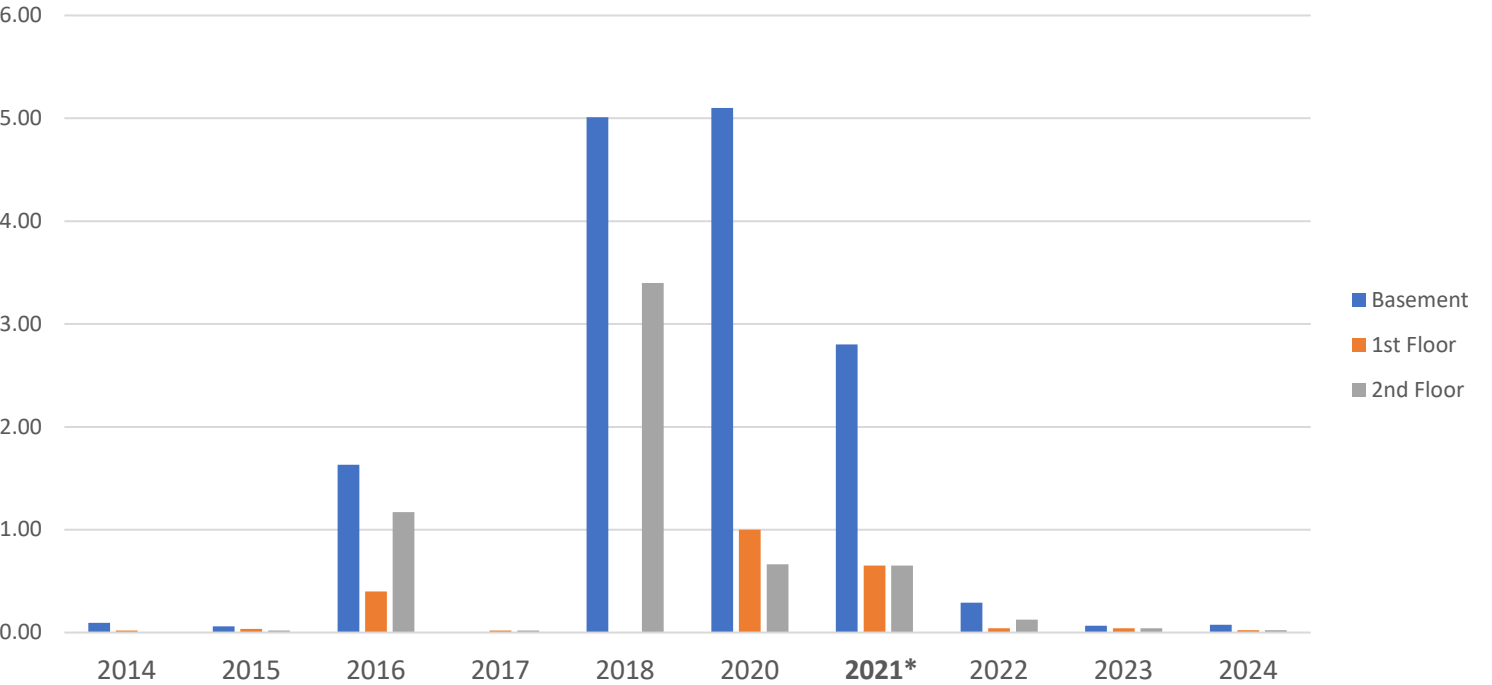
Trichloroethylene (TCE)



Cis-1,2-Dichloroethylene



Vinyl Chloride



Notes: Concentrations are shown in ug/m³. Non-detected sample concentrations are included on the above plots at half of the minimum detection limit (MDL). Where multiple sample results existed for a given building level, the average concentration is shown.
* SVE System was turned on in January 2021.



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Figure No: B-2

DiLaura DDS – 2532 Pine Avenue
Indoor Air Concentrations
(2014 – 2024)

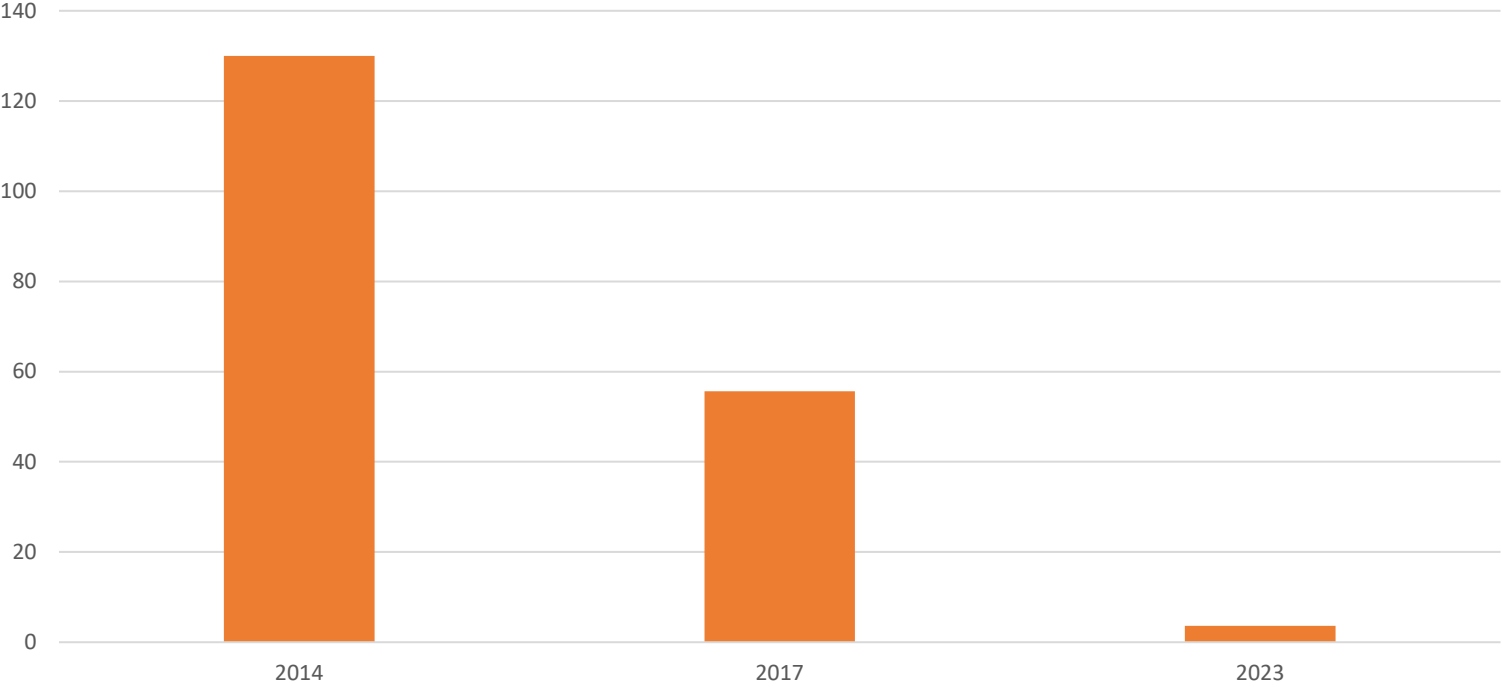
Site: Time 1-Hour Cleaners

Pine Avenue, Niagara Falls, NY

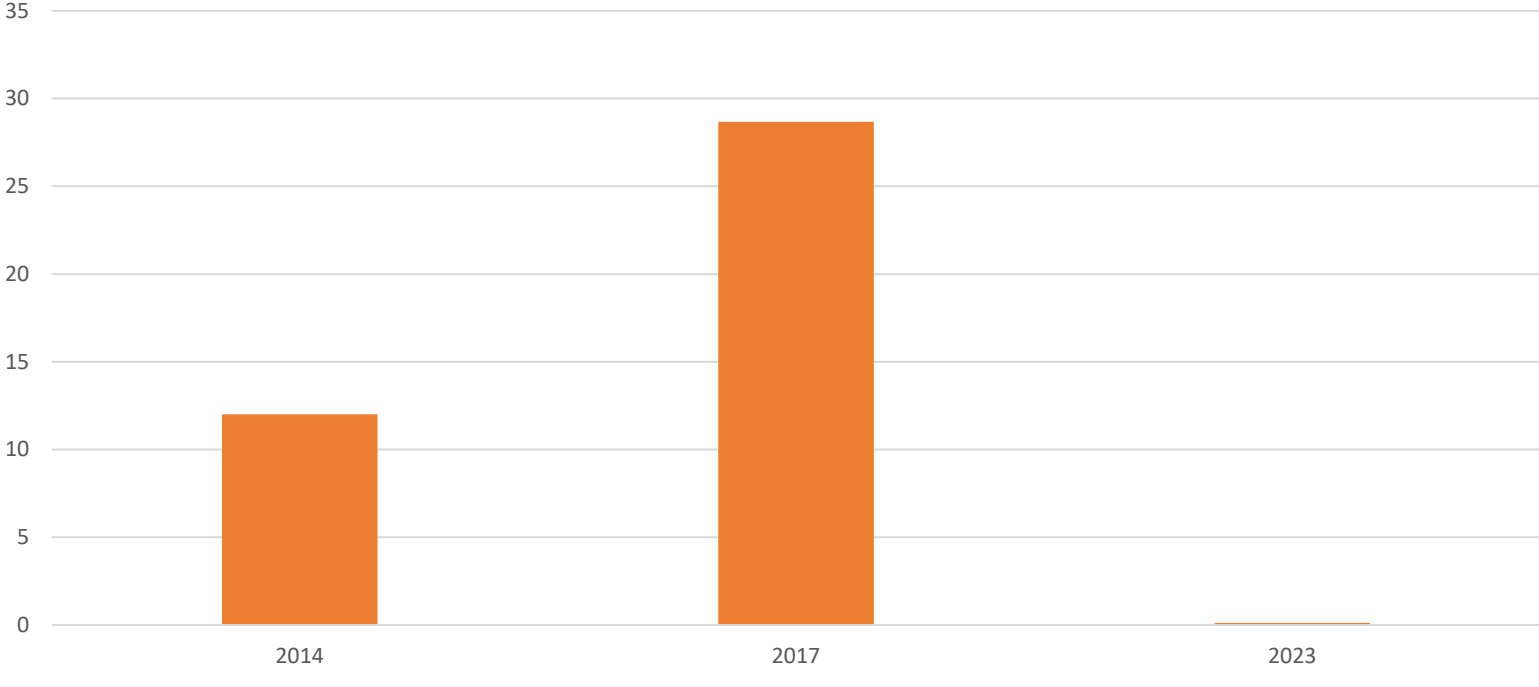
Phase II RI Report – Appendix B



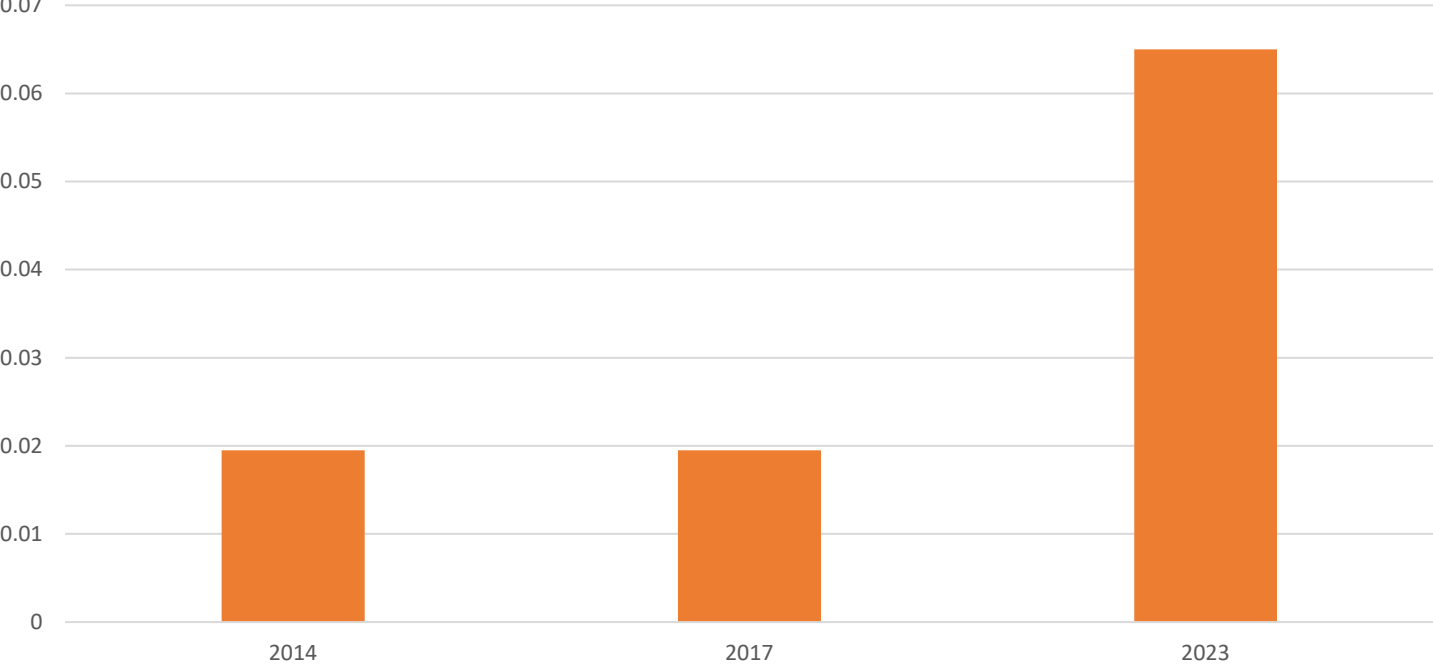
Tetrachloroethylene (PCE)



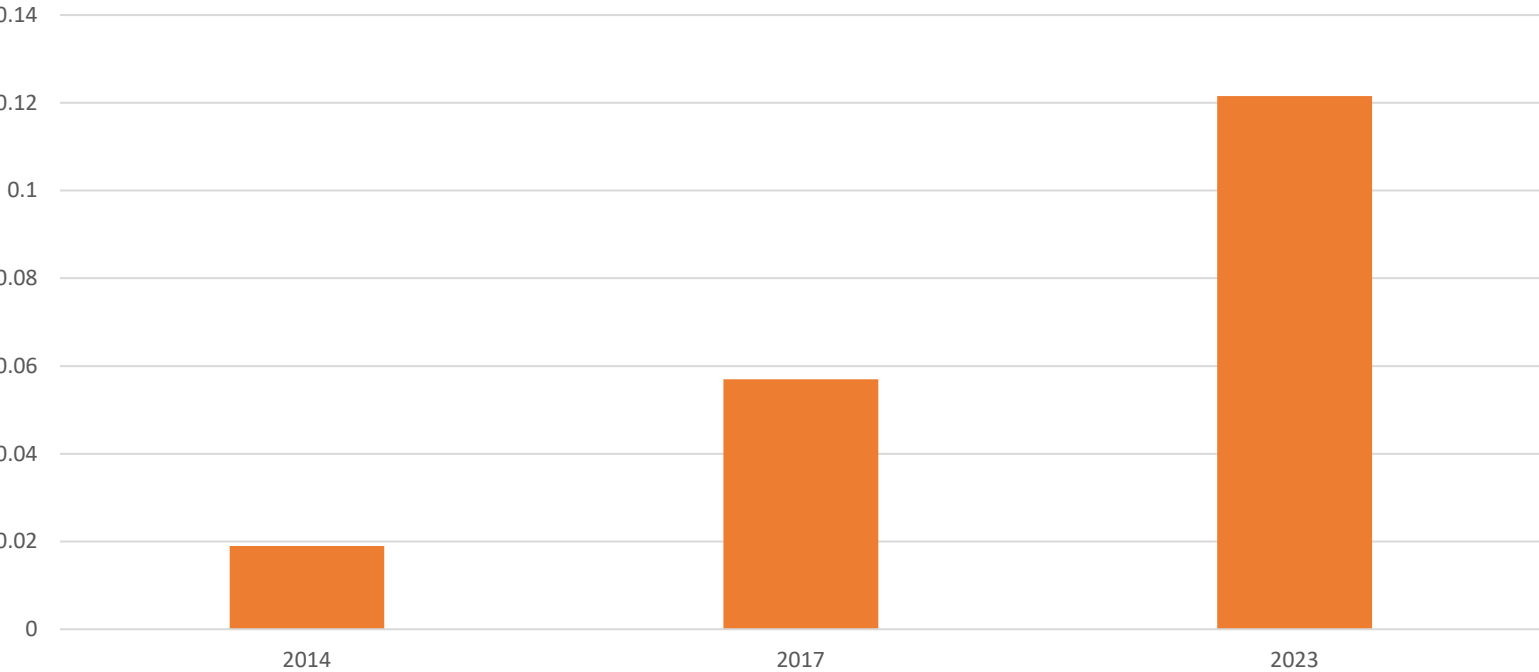
Trichloroethylene (TCE)



Cis-1,2-Dichloroethylene



Vinyl Chloride



Notes: Concentrations are shown in ug/m³. Non-detected sample concentrations are included on the above plots at half of the minimum detection limit (MDL). Where multiple sample results existed for a given building level, the average concentration is shown. Results shown are from the first floor.



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Figure No: B-3

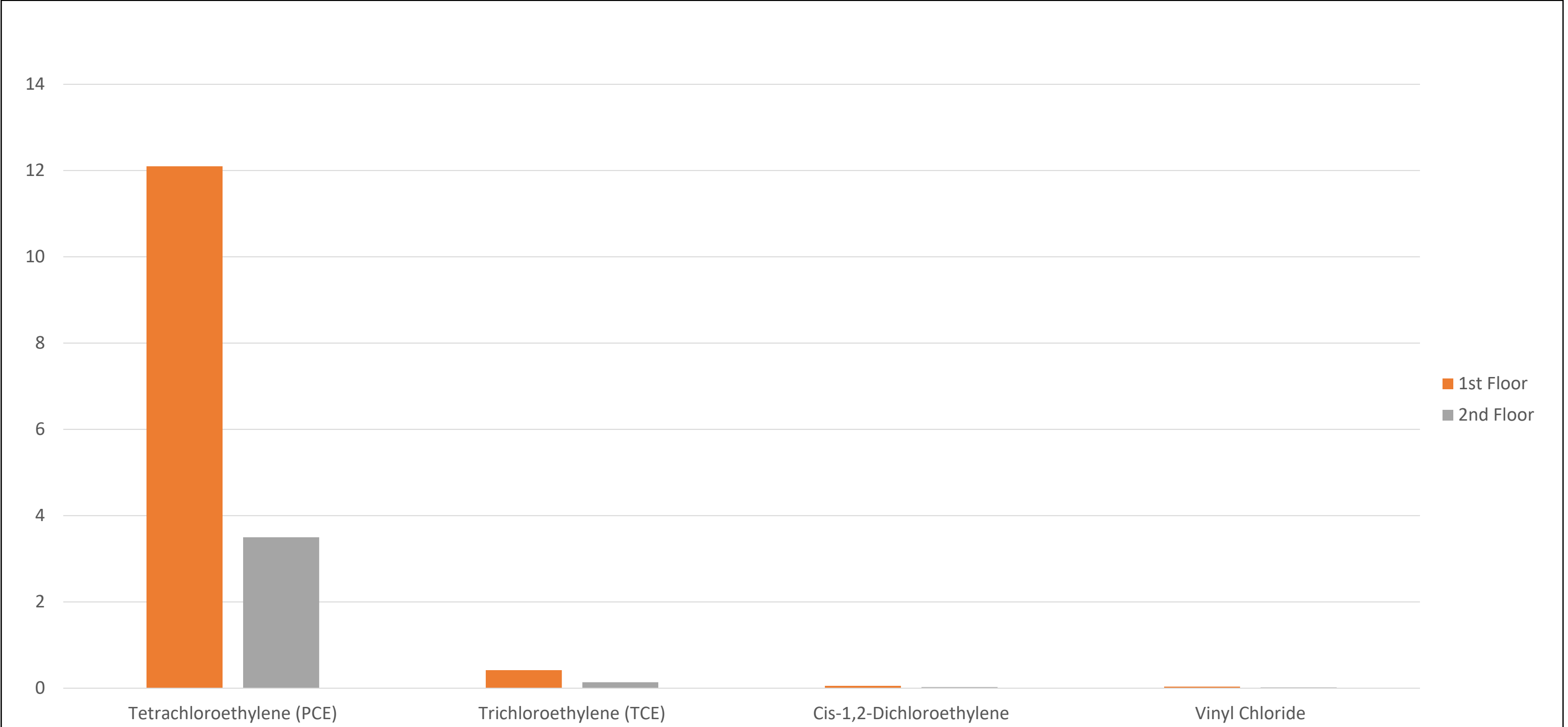
Time 1-Hour Cleaners – 2526 Pine Avenue
Indoor Air Concentrations
(2014 – 2024)

Site: Time 1-Hour Cleaners

Pine Avenue, Niagara Falls, NY

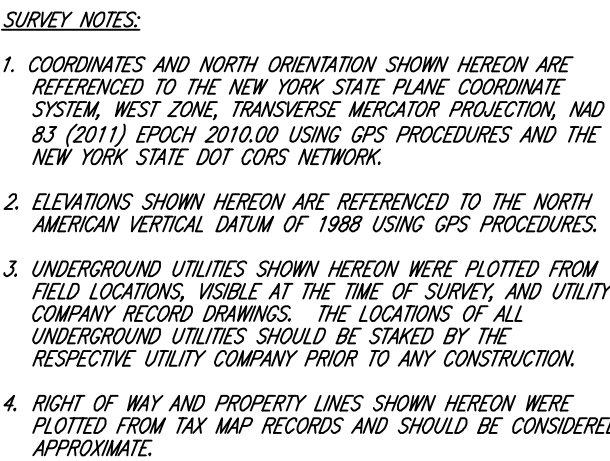
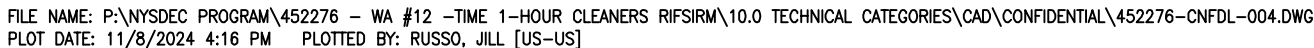
Phase II RI Report – Appendix B





Notes: Concentrations are shown in $\mu\text{g}/\text{m}^3$. Non-detected sample concentrations are included on the above plots at half of the minimum detection limit (MDL). Where multiple sample results existed for a given building level, the average concentration is shown. Results shown are from 2017.

APPENDIX C - EXCERPTED SOIL VAPOR INTRUSION TABLES AND FIGURES FROM THE PHASE I RI REPORT



 2526 PINE AVENUE PROPERTY BOUNDARY
 2532 PINE AVENUE PROPERTY BOUNDARY
 SHADED VALUES EXCEED STANDARDS (SEE NOTE 1. FOR HISTORIC SAMPLES, SEE NOTE 2)



CUMULATIVE SOIL SAMPLE RESULTS SUMMARY

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

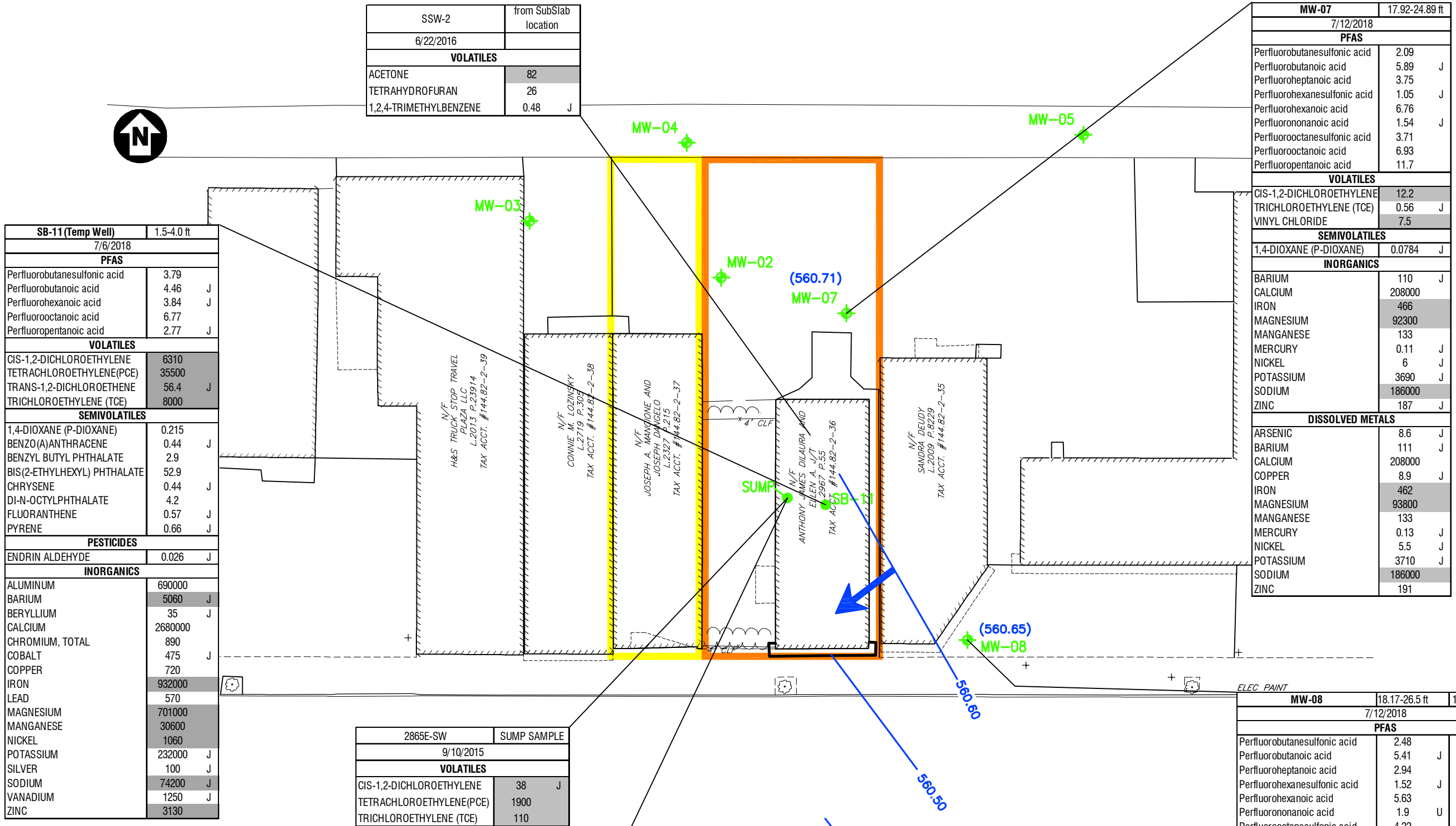


Table 1
2011 Subsurface Soil Analytical Summary (RJS Environmental Samples)
Time 1-Hour Cleaners
Niagara Falls, New York

Sample ID:		Part 375 Restricted Residential use SCOs.	SB-1 (8-10')	SB-2 (14-16')	SB-2 (8-10')	SB-3 (8-10')	SB-4 (14-16')	SB-4 (6-8')
Date Sampled	Units		Current/Historic Dry Cleaner					
PID Reading (ppm)			7/20/2011 300	7/20/2011 89.6	7/20/2011 159	7/20/2011 150	7/20/2011 53.6	7/20/2011 257
VOCs								
1,1-Dichloroethane	mg/kg	19	ND	0.157	ND	ND	ND	ND
cis-1,2-Dichloroethene	mg/kg	59	1.52	0.201	0.368	1.81	0.362	0.266
Tetrachloroethene	mg/kg	5.5	373	7.92	66.7	26.8	26.2	114
1,1,1-Trichloroethane	mg/kg	100	1.11	ND	ND	ND	ND	ND
Trichloroethene	mg/kg	10	1.58	0.335	0.99	3.14	1.07	0.429

Notes:

1. Results taken from RJS report "Phase II Environmental Site Assessment and Vapor Encroachment Screen" (2011)
2. No DUSR was included with the RJS report and there was no indication within the text of the report that these data have been validated.
3. Highlighted cells indicate values exceed Part 375 Restricted Residential Use SCOs referenced in the report (see Note 1).

Table 3A
2014 Surface and Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

							Dup of SS-02_042314							
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375	6 NYCRR Part 375	6 NYCRR Part 375	Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01_042514 0-0.5 ft 14D1023-04 CONTEST 14D01023 SOIL 4/25/2014 8:00 7/13/2014	SS-02 SS-02_042314 0-0.5 ft 14D0923-05 CONTEST 14D0923 SOIL 4/23/2014 14:55 7/13/2014	SS-02 SS-102_042314 0-0.5 ft 14D0923-06 CONTEST 14D0923 SOIL 4/23/2014 14:56 7/13/2014	SS-03 SS-03_042214 0-0.5 ft 14D0849-01 CONTEST 14D0849 SOIL 4/22/2014 15:15 7/13/2014	SB-06 SB-06_04221401 11-13 ft 14D0849-02 CONTEST 14D0849 SOIL 4/22/2014 11:00 7/13/2014	SB-06 SB-06_04221402 17-18.7 ft 14D0849-03 CONTEST 14D0849 SOIL 4/22/2014 13:30 7/13/2014	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014
		Unrestricted Use		Residential Use	Protection of Groundwater	UNITS:								
		Cleanup	Cleanup	Cleanup										
		Objective	Objective	Objective										
		(ppm)	(ppm)	(ppm)										
NS = not specified		NS = not specified	NS = not specified											
CAS NO.	COMPOUND													
	VOLATILES													
75-34-3	1,1-DICHLOROETHANE	0.27	19	0.27	mg/kg	0.11 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U	0.00075 U	0.00053 U	0.00056 U
75-35-4	1,1-DICHLOROETHENE	0.33	100	0.33	mg/kg	0.12 U	0.00099 U	0.00081 U	0.00094 U	0.0011 U	0.00083 U	0.0012 U	0.00083 U	0.00087 U
95-63-6	1,2,4-TRIMETHYLBENZENE	3.6	47	3.6	mg/kg	0.074 U	0.00072 UJ	0.00059 UJ	0.00069 U	0.00078 U	0.00061 U	0.00085 UJ	0.0028 J	0.00064 UJ
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8.4	47	8.4	mg/kg	0.074 U	0.00054 UJ	0.00044 UJ	0.00051 U	0.00058 U	0.00045 U	0.00064 UJ	0.0023 J	0.00048 UJ
71-43-2	BENZENE	0.06	2.9	0.06	mg/kg	0.061 U	0.00063 U	0.00052 U	0.0006 U	0.00068 U	0.00053 U	0.00075 U	0.0008 J	0.00056 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.25	59	0.25	mg/kg	0.061 U	0.0048 J	0.00094 J	0.012	0.00078 U	0.00061 U	0.00085 U	0.0006 U	0.0053
100-41-4	ETHYLBENZENE	1	30	1	mg/kg	0.061 U	0.0024 J	0.00059 UJ	0.00069 U	0.00078 U	0.00061 U	0.00085 UJ	0.0022 J	0.00064 UJ
79601-23-1	M AND P XYLENES	0.26	100	1.6	mg/kg	0.086 U	0.0051 J	0.004 J	0.0015 U	0.0017 U	0.0013 U	0.0018 UJ	0.0056 J	0.0014 UJ
75-09-2	METHYLENE CHLORIDE	0.05	51	0.05	mg/kg	2.7 U	0.0098 J	0.0052 UJ	0.0061 UJ	0.0069 UJ	0.0054 UJ	0.0076 UJ	0.0053 UJ	0.0056 UJ
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	0.26	100	1.6	mg/kg	0.061 U	0.0031 J	0.00052 UJ	0.0006 U	0.00068 U	0.00053 U	0.00075 UJ	0.0029 J	0.00056 UJ
127-18-4	TETRACHLOROETHYLENE(PCE)	1.3	5.5	1.3	mg/kg	200	2.5	0.054	38	0.0013 U	0.00099 U	0.0014 U	0.00098 U	0.045
108-88-3	TOLUENE	0.7	100	0.7	mg/kg	0.049 U	0.0026 J	0.0019 J	0.00069 U	0.00078 U	0.00061 U	0.00085 UJ	0.0035 J	0.00064 UJ
156-60-5	TRANS-1,2-DICHLOROETHENE	0.19	100	0.19	mg/kg	0.086 U	0.00081 U	0.00066 U	0.0027	0.00088 U	0.00068 U	0.00096 U	0.00068 U	0.00071 U
79-01-6	TRICHLOROETHYLENE (TCE)	0.47	10	0.47	mg/kg	0.45 J	0.031 J	0.009 J	0.075	0.00088 U	0.00068 U	0.00096 U	0.00068 U	0.0091
75-01-4	VINYL CHLORIDE	0.02	0.21	0.02	mg/kg	0.2 U	0.00099 U	0.00081 U	0.00094 U	0.0011 U	0.00083 U	0.0012 U	0.00083 U	0.00087 U
60-29-7	DIETHYL ETHER (ETHYL ETHER)	NS	NS	NS	mg/kg	0.12 U	0.0022 J	0.0013 U	0.0015 U	0.0018 U	0.0014 U	0.0025 J	0.0014 U	0.0014 U
	XYLENES, TOTAL	0.26	100	1.6	mg/kg	0.1470 U	0.0082 J	0.004 J	0.0021 U	0.00238 U	0.00183 U	0.00255 UJ	0.0085 J	0.00196 UJ
	SEMIVOLATILES													
56-55-3	BENZO(A)ANTHRACENE	1	1	1	mg/kg	0.36 U	0.14 J	0.13 J	0.76	0.096 U	0.083 U	0.1 U	0.082 U	0.095 U
50-32-8	BENZO(A)PYRENE	1	1	22	mg/kg	R	0.17 J	0.15 J	0.84	0.075 U	0.064 U	0.078 U	0.064 U	0.074 U
205-99-2	BENZO(B)FLUORANTHENE	1	1	1.7	mg/kg	R	0.32	0.28	1.3	0.19 U	0.16 U	0.19 UJ	0.16 UJ	0.18 UJ
191-24-2	BENZO(G,H,I)PERYLENE	100	100	1000	mg/kg	R	0.15 U	0.14 U	0.52	0.17 U	0.15 U	0.18 U	0.15 U	0.17 U
207-08-9	BENZO(K)FLUORANTHENE	0.8	1	1.7	mg/kg	R	0.16 U	0.16 U	0.53	0.19 U	0.16 U	0.2 UJ	0.16 UJ	0.19 UJ
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	mg/kg	0.64 U	0.18 J	0.15 J	0.29 U	0.17 U	0.15 U	0.18 U	0.14 U	0.17 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	mg/kg	0.36 U	0.53 J	0.35 UJ	25	0.42 U	0.36 U	0.44 U	0.36 U	0.42 U
218-01-9	CHRYSENE	1	1	1	mg/kg	0.52 U	0.19	0.19	0.96	0.14 U	0.12 U	0.14 U	0.12 U	0.14 U
206-44-0	FLUORANTHENE	100	100	1000	mg/kg	0.72 U	0.21	0.25	1.6	0.19 U	0.16 U	0.2 U	0.16 U	0.19 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	0.5	8.2	mg/kg	R	0.12 U	0.12 U	0.59	0.14 U	0.12 U	0.14 U	0.12 U	0.14 U
85-01-8	PHENANTHRENE	100	100	1000	mg/kg	0.43 U	0.1 J	0.095 U	0.87	0.11 U	0.098 U	0.12 U	0.097 U	0.11 U
129-00-0	PYRENE	100	100	1000	mg/kg	0.55 U	0.14 J	0.14 J	1	0.15 U	0.13 U	0.15 U	0.13 U	0.15 U
	PESTICIDES													
60-57-1	DIELDRIN	0.005	0.039	0.1	mg/kg	0.00035 U	0.0057 J	0.00031 UJ	0.00032 U	0.00037 U	0.00031 U	0.00039 UJ	0.00032 UJ	0.00036 UJ
72-54-8	P,P'-DDD	0.0033	2.6	14	mg/kg	0.0013	0.0021 J	0.00042 U	0.0053	0.00049 U	0.00041 U	0.00052 UJ	0.00042 UJ	0.00048 UJ
72-55-9	P,P'-DDE	0.0033	1.8	17	mg/kg	0.0034	0.007 J	0.0014 J	0.007	0.00037 U	0.00031 U	0.00039 UJ	0.00032 UJ	0.00036 UJ
50-29-3	P,P'-DDT	0.0033	1.7	136	mg/kg	0.01	0.018 J	0.0035 J	0.028 J	0.00049 U	0.00041 U	0.00052 U	0.00042 U	0.00048 U
	PCBs													
11096-82-5	PCB-1260 (AROCLO 1260)	0.1	1	3.2	mg/kg	0.011 U	0.0099 U	0.01 U	0.16	0.012 U	0.0099 U	0.012 U	0.01 U	0.012 U
	HERBICIDES													

Table 3A
2014 Surface and Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

						Dup of SS-02_042314										
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SS-01 SS-01_042514 0-0.5 ft 14D1023-04 CONTEST 14D01023 SOIL 4/25/2014 8:00 7/13/2014	SS-02 SS-02_042314 0-0.5 ft 14D0923-05 CONTEST 14D0923 SOIL 4/23/2014 14:55 7/13/2014	SS-02 SS-102_042314 0-0.5 ft 14D0923-06 CONTEST 14D0923 SOIL 4/23/2014 14:56 7/13/2014	SS-03 SS-03_042214 0-0.5 ft 14D0849-01 CONTEST 14D0849 SOIL 4/22/2014 15:15 7/13/2014	SB-06 SB-06_04221401 11-13 ft 14D0849-02 CONTEST 14D0849 SOIL 4/22/2014 11:00 7/13/2014	SB-06 SB-06_04221402 17-18.7 ft 14D0849-03 CONTEST 14D0849 SOIL 4/22/2014 13:30 7/13/2014	SB-07 SB-07_04241401 11-13 ft 14D0981-01 CONTEST 14D0981 SOIL 4/24/2014 9:45 7/13/2014	SB-07 SB-07_04241402 15-17 ft 14D0981-02 CONTEST 14D0981 SOIL 4/24/2014 10:00 7/13/2014	SB-09 SB-09_04241401 5-7 ft 14D0981-03 CONTEST 14D0981 SOIL 4/24/2014 13:05 7/13/2014		
		CAS NO.	COMPOUND				UNITS:									
			INORGANICS													
		7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	1700 J	3300	2500	5600	12000	2500	13000	2400	9900
		7440-38-2	ARSENIC	13	16	16	mg/kg	7.4	10	9.9	9.3	4	7.2	3.5	7	6.8
7440-39-3	BARIUM	350	350	820	mg/kg	22 J	73	49	240	100	28	94	31	74		
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.16 J	0.26 J	0.61 J	0.41	0.65	0.16 J	0.78	0.16 J	0.56		
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.5 J	2.2	2.7	70	0.27 J	1.5	0.19 J	0.64	0.26 J		
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	150000 J	160000	180000	68000	45000	160000	41000	150000	48000		
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	7.4	130 J	39 J	240	19	4.9	21	4.3	16		
7440-48-4	COBALT	NS	NS	NS	mg/kg	1.3 J	2.7	2.2 J	6.2	10	2.1 J	11	2.2 J	9.4		
7440-50-8	COPPER	50	270	1720	mg/kg	11	23	15	44	16	8.1	20	31	22		
7439-89-6	IRON	NS	NS	NS	mg/kg	4800 J	9100	7500	29000	22000	6200	21000	5600	18000		
7439-92-1	LEAD	63	400	450	mg/kg	47	150	100	300	7.9	34	8.6	27	7.4		
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	69000	84000	79000	34000	11000	77000	16000	66000	8700		
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	400	680	610	590	670	560	580	750	680		
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.054	0.34 J	0.092 J	0.59	0.012 J	0.0097 J	0.0095 J	0.0042 J	0.0098 J		
7440-02-0	NICKEL	30	140	130	mg/kg	6.3 J	13	8.8	35	22	4.1	25	3.6	20		
7440-09-7	POTASSIUM	NS	NS	NS	mg/kg	530	920	1000	960	2500	900	3500	700	1700		
7440-23-5	SODIUM	NS	NS	NS	mg/kg	320 J	670	990	500	180	220	310 J+	290 J+	200 J+		
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	9.3	6.6 J	3.9 J	17	25	3.4	27	3.9	24		
7440-66-6	ZINC	109	2200	2480	mg/kg	79 J	300	470	350	48	310	56	130	42		
57-12-5	CYANIDE	27	27	40	mg/kg	0.34 U	0.35 J	0.32 U	0.53 J	0.39 U	0.32 U	0.38 U	0.37 J	0.37 U		

Notes:
U : compound not detected. Detection limit posted.
J : estimated concentration below the contract required detection limit.
UJ : estimated nondetected result
J+ : estimated biased high result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte

Exceeds NYCRR Part 375 Unrestricted-Use SCO

Exceeds NYCRR Part 375 Residential Use SCO

Exceeds NYCRR Part 375 Protection of Groundwater SCO

Table 3A
2014 Surface and Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

										Dup of MW-04_04231401			
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014	MW-04 MW-04_04231401 11-13 ft 14D0923-02 CONTEST 14D0923 SOIL 4/23/2014 13:15 7/13/2014	MW-04 MW-104_042314 11-13 ft 14D0923-04 CONTEST 14D0923 SOIL 4/23/2014 13:16 7/13/2014	MW-04 MW-04_04231402 15-16 ft 14D0923-03 CONTEST 14D0923 SOIL 4/23/2014 13:30 7/13/2014	MW-05 MW-05_042314 11-13 ft 14D0923-01 CONTEST 14D0923 SOIL 4/23/2014 10:00 7/13/2014	MW-06 MW-06_042514 15-16.8 ft 14D1023-03 CONTEST 14D01023 SOIL 4/25/2014 11:45 7/13/2014
CAS NO.	COMPOUND				UNITS:								
	VOLATILES												
75-34-3	1,1-DICHLOROETHANE	0.27	19	0.27	mg/kg	0.00049 U	0.1 U	0.077 U	0.0055 J	0.00066 UJ	0.0005 U	0.00051 U	0.00052 U
75-35-4	1,1-DICHLOROETHENE	0.33	100	0.33	mg/kg	0.00076 U	0.11 U	0.086 U	0.0054 J	0.001 UJ	0.00079 U	0.0008 U	0.00082 U
95-63-6	1,2,4-TRIMETHYLBENZENE	3.6	47	3.6	mg/kg	0.00055 UJ	0.069 U	0.051 U	R	0.00075 UJ	0.0017 J	0.00058 UJ	0.0006 UJ
108-67-8	1,3,5-TRIMETHYLBENZENE (MESITYLENE)	8.4	47	8.4	mg/kg	0.00042 UJ	0.069 U	0.051 U	0.00071 UJ	0.00056 UJ	0.00043 UJ	0.00044 UJ	0.00045 UJ
71-43-2	BENZENE	0.06	2.9	0.06	mg/kg	0.00049 U	0.057 U	0.043 U	0.00083 U	0.00066 U	0.0005 U	0.00051 U	0.00052 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	0.25	59	0.25	mg/kg	0.00055 U	0.31 J	0.45 J	0.71 J	0.026 J	0.0036	0.00058 U	0.0025
100-41-4	ETHYLBENZENE	1	30	1	mg/kg	0.00055 UJ	0.057 U	0.043 U	0.00095 UJ	0.00075 UJ	0.0019 J	0.00058 UJ	0.0006 UJ
79601-23-1	M AND P XYLENES	0.26	100	1.6	mg/kg	0.0012 UJ	0.08 U	0.06 U	0.002 UJ	0.0016 UJ	0.0041 J	0.0012 UJ	0.0013 UJ
75-09-2	METHYLENE CHLORIDE	0.05	51	0.05	mg/kg	0.0049 UJ	2.5 U	1.9 U	0.0084 UJ	0.0067 UJ	0.0051 UJ	0.0052 UJ	0.0053 UJ
95-47-6	O-XYLENE (1,2-DIMETHYLBENZENE)	0.26	100	1.6	mg/kg	0.00049 UJ	0.057 U	0.043 U	0.00083 UJ	0.00066 UJ	0.0025 J	0.00051 UJ	0.00052 UJ
127-18-4	TETRACHLOROETHYLENE(PCE)	1.3	5.5	1.3	mg/kg	0.0023	140	75	0.0064	0.008	0.012	0.00095 U	0.011
108-88-3	TOLUENE	0.7	100	0.7	mg/kg	0.0017 J	0.046 U	0.034 U	0.00095 UJ	0.00075 UJ	0.0021 J	0.0018 J	0.0006 UJ
156-60-5	TRANS-1,2-DICHLOROETHENE	0.19	100	0.19	mg/kg	0.00062 U	0.08 U	0.06 U	0.0016 J	0.00084 U	0.00064 U	0.00066 U	0.00067 U
79-01-6	TRICHLOROETHYLENE (TCE)	0.47	10	0.47	mg/kg	0.00062 U	0.78 J	1.6	0.0069	0.0045	0.0047	0.00066 U	0.0047
75-01-4	VINYL CHLORIDE	0.02	0.21	0.02	mg/kg	0.00076 U	0.18 U	0.14 U	0.042 J	0.009 J	0.001 J	0.0008 U	0.00082 U
60-29-7	DIETHYL ETHER (ETHYL ETHER)	NS	NS	NS	mg/kg	0.0012 U	0.11 U	0.086 U	0.0021 U	0.0017 U	0.0013 U	0.0013 U	0.0013 U
	XYLENES, TOTAL	0.26	100	1.6	mg/kg	0.00169 UJ	0.137 U	0.103 U	0.00283 UJ	0.00226 UJ	0.0066 J	0.00171 UJ	0.00182 UJ
	SEMIVOLATILES												
56-55-3	BENZO(A)ANTHRACENE	1	1	1	mg/kg	0.086 U	0.093 U	0.085 U	0.09 U	0.092 U	0.087 U	0.085 U	0.091 U
50-32-8	BENZO(A)PYRENE	1	1	22	mg/kg	0.067 U	0.073 U	0.066 U	0.07 U	0.071 U	0.068 U	0.067 U	0.071 U
205-99-2	BENZO(B)FLUORANTHENE	1	1	1.7	mg/kg	0.17 UJ	0.18 U	0.16 U	0.17 U	0.18 U	0.17 U	0.17 U	0.18 U
191-24-2	BENZO(G,H,I)PERYLENE	100	100	1000	mg/kg	0.15 U	0.17 U	0.15 U	0.16 U	0.16 U	0.16 U	0.15 U	0.16 U
207-08-9	BENZO(K)FLUORANTHENE	0.8	1	1.7	mg/kg	0.17 UJ	0.19 U	0.17 U	0.18 U	0.18 U	0.17 U	0.17 U	0.18 U
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	mg/kg	0.15 U	0.16 U	0.15 U	0.16 U	0.16 U	0.15 U	0.15 U	0.16 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	mg/kg	0.38 U	0.41 U	0.37 U	0.4 U	0.4 U	0.39 U	0.38 U	0.4 U
218-01-9	CHRYSENE	1	1	1	mg/kg	0.12 U	0.13 U	0.12 U	0.13 U	0.13 U	0.12 U	0.12 U	0.13 U
206-44-0	FLUORANTHENE	100	100	1000	mg/kg	0.17 U	0.19 U	0.17 U	0.18 U	0.18 U	0.17 U	0.17 U	0.18 U
193-39-5	INDENO(1,2,3-C,D)PYRENE	0.5	0.5	8.2	mg/kg	0.12 U	0.13 U	0.12 U	0.13 U	0.13 U	0.13 U	0.12 U	0.13 U
85-01-8	PHENANTHRENE	100	100	1000	mg/kg	0.1 U	0.11 U	0.1 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U
129-00-0	PYRENE	100	100	1000	mg/kg	0.13 U	0.14 U	0.13 U	0.14 UJ	0.14 UJ	0.13 UJ	0.13 UJ	0.14 U
	PESTICIDES												
60-57-1	DIELDRIN	0.005	0.039	0.1	mg/kg	0.00033 UJ	0.000035 U	0.00031 U	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U
72-54-8	P,P'-DDD	0.0033	2.6	14	mg/kg	0.0014 J	0.000047 U	0.0021	0.0011 U	0.00048 U	0.0011 U	0.0013	0.00046 U
72-55-9	P,P'-DDE	0.0033	1.8	17	mg/kg	0.00033 UJ	0.000035 U	0.00031 U	0.00034 U	0.00036 U	0.00033 U	0.00033 U	0.00034 U
50-29-3	P,P'-DDT	0.0033	1.7	136	mg/kg	0.00044 U	0.000047 U	0.00042 U	0.00046 U	0.00048 U	0.00044 U	0.00045 J	0.00046 U
	PCBs												
11096-82-5	PCB-1260 (AROCLOL 1260)	0.1	1	3.2	mg/kg	0.011 U	0.011 U	0.01 U	0.011 U	0.012 U	0.011 U	0.011 U	0.011 U
	HERBICIDES												

Table 3A
2014 Surface and Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

										Dup of MW-04_04231401					
NYSDEC-Pine Ave Site 2014 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Sample ID: Depth: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	SB-09 SB-09_04241402 15-16.3 ft 14D0981-04 CONTEST 14D0981 SOIL 4/24/2014 13:20 7/13/2014	MW-02 MW-02_042514_5_7 5-7 ft 14D1023-01 CONTEST 14D01023 SOIL 4/25/2014 8:30 7/13/2014	MW-02 MW-02_042514_15_17 15-17 ft 14D1023-02 CONTEST 14D01023 SOIL 4/25/2014 8:45 7/13/2014	MW-04 MW-04_04231401 11-13 ft 14D0923-02 CONTEST 14D0923 SOIL 4/23/2014 13:15 7/13/2014	MW-04 MW-04_042314 11-13 ft 14D0923-04 CONTEST 14D0923 SOIL 4/23/2014 13:16 7/13/2014	MW-04 MW-04_04231402 15-16 ft 14D0923-03 CONTEST 14D0923 SOIL 4/23/2014 13:30 7/13/2014	MW-05 MW-05_042314 11-13 ft 14D0923-01 CONTEST 14D0923 SOIL 4/23/2014 10:00 7/13/2014	MW-06 MW-06_042514 15-16.8 ft 14D1023-03 CONTEST 14D01023 SOIL 4/25/2014 11:45 7/13/2014		
		CAS NO.	COMPOUND				UNITS:								
			INORGANICS												
		7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	4000	14000 J	3600 J	14000 J	5200 J	3900	4200	4600 J
		7440-38-2	ARSENIC	13	16	16	mg/kg	4.5	2 J	5.8	3.3	5.6	5.3	5.4	6.5
		7440-39-3	BARIUM	350	350	820	mg/kg	59	54 J	48 J	98	61	53	56	47 J
		7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.23 J	0.67	0.21 J	0.75 J	0.29 J	0.22 J	0.26 J	0.28 J
		7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.52	0.17 UJ	0.73 J	0.26 J	0.72 J	2.5	0.9	2.3 J
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	88000	8200 J	110000 J	40000	110000 J	110000	110000	140000 J		
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	6.6	21	5.6	20 J	8.1 J	6.1	7	7.1		
7440-48-4	COBALT	NS	NS	NS	mg/kg	3.5	8.4	2.9	10 J	4.6 J	3.2	3.6	3.9		
7440-50-8	COPPER	50	270	1720	mg/kg	9.5	14	12	19 J	9.9 J	9.1	10	9.7		
7439-89-6	IRON	NS	NS	NS	mg/kg	7700	19000 J	6800 J	22000 J	11000 J	8500	9500	8200 J		
7439-92-1	LEAD	63	400	450	mg/kg	21	4.4	33	8.9 J	26 J	31	36	41		
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	34000	7800	53000	15000 J	49000 J	51000	52000	70000		
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	540	240	540	540	610	560	600	470		
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.004 U	0.023 J	0.0047 J	0.02 J	0.0045 J	0.0047 J	0.005 J	0.006 J		
7440-02-0	NICKEL	30	140	130	mg/kg	6.9	22 J	5.4 J	23 J	8.6 J	6	6.9	7.5 J		
7440-09-7	POTASSIUM	NS	NS	NS	mg/kg	1100	1300	970	3200 J	1400 J	1100	1100	1300		
7440-23-5	SODIUM	NS	NS	NS	mg/kg	200 J+	180 J	210 J	200	190	160	160	270 J		
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	8.9	24	6.4	26 J	11 J	7.7	8.2	7.5		
7440-66-6	ZINC	109	2200	2480	mg/kg	170	52 J	170 J	66 J	160 J	510	200	530 J		
57-12-5	CYANIDE	27	27	40	mg/kg	0.73	0.35 U	0.33 U	0.35 U	0.36 U	0.33 U	0.34 U	0.35 U		

Notes:
U : compound not detected. Detection limit posted.
J : estimated concentration below the contract required detection limit.
UJ : estimated nondetected result
J+ : estimated biased high result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte

	Exceeds NYCRR Part 375 Unrestricted-Use SCO
	Exceeds NYCRR Part 375 Residential Use SCO
	Exceeds NYCRR Part 375 Protection of Groundwater SCO

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

									Dup of	
									SB-10	
									PINE AVE-004-01	
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	MW-07 11.5-12.0 ft PINE AVE-001-01 JC67840-1 ACCUTEST JC67840 SOIL 6/11/2018 11:00 8/12/2018	MW-09 14.5-15.5 ft PINE AVE-003-01 JC68329-1 ACCUTEST JC68329 SOIL 6/18/2018 10:55 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-01 JC68469-1 ACCUTEST JC68469 SOIL 6/20/2018 10:10 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-02 JC68469-2 ACCUTEST JC68469 SOIL 6/20/2018 0:00 8/12/2018	SB-11 0.5-1.5 ft PINE AVE-005-01 JC69463-1 ACCUTEST JC69463 SOIL 7/6/2018 9:30 8/12/2018
CAS NO.	COMPOUND				UNITS:					
	VOLATILES									
75-35-4	1,1-DICHLOROETHENE	330	100,000	330	ug/kg	1.2	1.1 U	1.1 U	1.1 U	1.9
95-50-1	1,2-DICHLOROBENZENE	1,100	2,300	1,100	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	0.78 J
78-87-5	1,2-DICHLOROPROPANE	NS	NS	NS	ug/kg	1.5 U	2.2 U	2.2 U	2.1 U	0.51 J
106-46-7	1,4-DICHLOROBENZENE	1,800	9,800	1,800	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
67-64-1	ACETONE	50	100,000	50	ug/kg	7.6 U	8.6 J	7.8 J	11 U	22.7
71-43-2	BENZENE	60	2,900	60	ug/kg	0.25 J	0.55 U	0.56 U	0.53 U	0.52 U
75-15-0	CARBON DISULFIDE	NS	NS	NS	ug/kg	1.5 U	1.1 J	2.2 U	2.1 U	1.7 J
108-90-7	CHLOROBENZENE	1,100	100000	1100	ug/kg	1.5 U	2.2 U	2.2 U	2.1 U	2.1 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	250	59,000	250	ug/kg	29.5	1.1 U	1.4	1.4	2070
110-82-7	CYCLOHEXANE	NS	NS	NS	ug/kg	0.78 J	4.1	2.2 U	2.1 U	2.1 U
100-41-4	ETHYLBENZENE	1,000	30,000	1,000	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	NS	NS	ug/kg	1.5 U	2.2 U	2.2 U	2.1 U	2.1 U
136777-61-2	M,P-XYLENES	260	100,000	1,600	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
108-87-2	METHYLCYCLOHEXANE	NS	NS	NS	ug/kg	0.45 J	2.2 U	2.2 U	2.1 U	2.1 U
75-09-2	METHYLENE CHLORIDE	50	51,000	50	ug/kg	3.8 U	5.5 U	5.6 U	5.3 U	5.2 U
95-47-6	O-XYLENE	260	100,000	1,000	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
127-18-4	TETRACHLOROETHYLENE(PCE)	1,300	5,500	1,300	ug/kg	13000	2.2 U	6220 J	2910 J	75500
108-88-3	TOLUENE	700	100,000	700	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	0.53 J
156-60-5	TRANS-1,2-DICHLOROETHENE	190	100,000	190	ug/kg	0.59 J	1.1 U	1.1 U	1.1 U	9.6
79-01-6	TRICHLOROETHYLENE (TCE)	470	10,000	470	ug/kg	68.8	1.1 U	12.8	12.6	6910
75-01-4	VINYL CHLORIDE	20	210	20	ug/kg	3.6	2.2 U	2.2 U	2.1 U	4.4
XYLENES	XYLENES, TOTAL	260	100,000	1,600	ug/kg	0.76 U	1.1 U	1.1 U	1.1 U	1 U
	SEMIVOLATILES									
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	ug/kg	72 U	95 U	82 U	83 U	62.4 J
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	ug/kg	72 U	95 U	82 U	83 U	79.3 J
86-74-8	CARBAZOLE	NS	NS	NS	ug/kg	72 U	95 U	82 U	83 U	86 U
117-84-0	DI-N-OCTYLPHTHALATE	NS	NS	NS	ug/kg	72 U	95 U	82 U	83 U	86 UJ
	PESTICIDES									
7421-93-4	ENDRIN ALDEHYDE	NS	NS	NS	ug/kg	0.67 U	0.85 U	0.8 U	0.79 U	0.87 U
72-54-8	P,P'-DDD	3.3	2600	14000	ug/kg	0.67 U	0.85 U	0.8 U	0.79 U	0.87 U
	PCBs (None Detected)									
	HERBICIDES (None Detected)									

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

								Dup of		
								SB-10		
								PINE AVE-004-01		
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	MW-07 11.5-12.0 ft PINE AVE-001-01 JC67840-1 ACCUTEST JC67840 SOIL 6/11/2018 11:00 8/12/2018	MW-09 14.5-15.5 ft PINE AVE-003-01 JC68329-1 ACCUTEST JC68329 SOIL 6/18/2018 10:55 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-01 JC68469-1 ACCUTEST JC68469 SOIL 6/20/2018 10:10 8/12/2018	SB-10 9.0-10.0 ft PINE AVE-004-02 JC68469-2 ACCUTEST JC68469 SOIL 6/20/2018 0:00 8/12/2018	SB-11 0.5-1.5 ft PINE AVE-005-01 JC69463-1 ACCUTEST JC69463 SOIL 7/6/2018 9:30 8/12/2018
CAS NO.	COMPOUND				UNITS:					
	INORGANICS									
7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	5310 J	24100	17700	19100	19900
7440-36-0	ANTIMONY	NS	NS	NS	mg/kg	0.51 J	2.8 UJ	0.66 J	0.82 J	2.5 U
7440-38-2	ARSENIC	13	16	16	mg/kg	4.6	3.6	5.3	3.2	6.9 J
7440-39-3	BARIUM	350	350	820	mg/kg	63.7	139	108	87.7	84.8
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.25	1.1	0.81	0.9	0.97
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.85	0.11 J	0.2 J	0.19 J	0.63 U
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	106000	50200 J	61400	39200	28300
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	7.6 J	32.1	24.7	26.3	32.8
7440-48-4	COBALT	NS	NS	NS	mg/kg	4.8 J	15.4	12.8	11.2	11.6
7440-50-8	COPPER	50	270	1720	mg/kg	11.6	21.8	19.1	20.3	16.1
7439-89-6	IRON	NS	NS	NS	mg/kg	9580 J	32900	26800	27700	32800
7439-92-1	LEAD	63	400	450	mg/kg	31.5	10.5	8.8	9	9.1
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	42600	14100 J	11900	12400	11900
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	610 J	645	701	398	446
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.036 U	0.033 U	0.04 U	0.018 J	0.032 J
7440-02-0	NICKEL	30	140	130	mg/kg	9.5	36.5	31.8	27.5	24.9
9/7/7440	POTASSIUM	NS	NS	NS	mg/kg	1600 J	6580 J	4030	4310	3820
7440-22-4	SILVER	2	36	8.3	mg/kg	2.7 U	0.69 U	0.63 U	0.64 U	1.9 U
7440-23-5	SODIUM	NS	NS	NS	mg/kg	194 J	321 J	223 J	202 J	292 J
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	13.7	44.7	34.3	35.9	34.3
7440-66-6	ZINC	109	2200	2480	mg/kg	187 J	69.9 J	56.7	61.8	55.4
	OTHER									
SOLID	SOLIDS, PERCENT	NS	NS	NS	%	89.8	69.8	79	78	76.2

Notes:
U - compound not detected. Detection limit posted.
J - estimated concentration below the detection limit.
UJ - estimated nondetected result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte

Exceeds NYCRR Part 375 Unrestricted-Use SCO

Exceeds NYCRR Part 375 Residential Use SCO

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	SB-11 1.5-2.0 ft PINE AVE-005-02 JC69463-2 ACCUTEST JC69463 SOIL 7/6/2018 9:35 8/12/2018	SB-11 2.0-2.5 ft PINE AVE-005-03 JC69463-3 ACCUTEST JC69463 SOIL 7/6/2018 9:40 8/12/2018	SB-11 3.0-4.0 ft PINE AVE-005-04 JC69463-4 ACCUTEST JC69463 SOIL 7/6/2018 9:45 8/12/2018	PINEAVE-008-PVE-01 2 - 3 ft PINEAVE-008-PVE-01 JC90608-2 ACCUTEST JC90608 SOIL 6/24/2019 17:00 8/6/2019	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02 JC90608-4 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019
CAS NO.	COMPOUND				UNITS:					
	VOLATILES									
75-35-4	1,1-DICHLOROETHENE	330	100,000	330	ug/kg	1.2 U	3.8	1.3	1.2 U	140 UJ
95-50-1	1,2-DICHLOROBENZENE	1,100	2,300	1,100	ug/kg	0.57 J	1.2 U	1.3	1.2 U	140 U
78-87-5	1,2-DICHLOROPROPANE	NS	NS	NS	ug/kg	2.4 U	2.5 U	1.6 U	2.5 U	280 UJ
106-46-7	1,4-DICHLOROBENZENE	1,800	9,800	1,800	ug/kg	1.2 U	1.2 U	0.82 U	1.2 U	140 U
67-64-1	ACETONE	50	100,000	50	ug/kg	23.7	16.4	12.3	9.2 J	1400 UJ
71-43-2	BENZENE	60	2,900	60	ug/kg	0.6 U	0.67	0.41 U	0.62 U	71 U
75-15-0	CARBON DISULFIDE	NS	NS	NS	ug/kg	2.1 J	1.4 J	1.3 J	2.5 U	280 U
108-90-7	CHLOROBENZENE	1,100	100000	1100	ug/kg	2.4 U	0.5 J	0.52 J	2.5 U	280 U
156-59-2	CIS-1,2-DICHLOROETHYLENE	250	59,000	250	ug/kg	1200	859	142	1.2 U	5700
110-82-7	CYCLOHEXANE	NS	NS	NS	ug/kg	2.4 U	0.58 J	1.6 U	2.5 U	280 U
100-41-4	ETHYLBENZENE	1,000	30,000	1,000	ug/kg	1.2 U	1.2 U	0.82 U	1.2 U	140 U
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	NS	NS	ug/kg	2.4 U	2.5 U	0.88 J	2.5 U	280 U
136777-61-2	M,P-XYLENES	260	100,000	1,600	ug/kg	1.2 U	1.1 J	1	1.2 U	140 U
108-87-2	METHYLCYCLOHEXANE	NS	NS	NS	ug/kg	2.4 U	1.3 J	1.6 U	2.5 U	280 U
75-09-2	METHYLENE CHLORIDE	50	51,000	50	ug/kg	6 U	6.1 U	4.1 U	6.2 U	710 U
95-47-6	O-XYLENE	260	100,000	1,000	ug/kg	1.2 U	0.99 J	1.2	1.2 U	140 U
127-18-4	TETRACHLOROETHYLENE(PCE)	1,300	5,500	1,300	ug/kg	157000	237000	164000	2.5 U	41500
108-88-3	TOLUENE	700	100,000	700	ug/kg	1.2 U	1.8	1.1	1.2 U	140 U
156-60-5	TRANS-1,2-DICHLOROETHENE	190	100,000	190	ug/kg	3.3	8.4	2.7	1.2 U	303 J
79-01-6	TRICHLOROETHYLENE (TCE)	470	10,000	470	ug/kg	2540	3990	2190	1.2 U	9820
75-01-4	VINYL CHLORIDE	20	210	20	ug/kg	2.9	13.4	2.7	2.9	306 J
XYLENES	XYLENES, TOTAL	260	100,000	1,600	ug/kg	1.2 U	2.1	2.2	1.2 U	140 U
	SEMIVOLATILES									
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	ug/kg	61 J	60.4 J	47.1 J	93 U	85 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	ug/kg	391	61.1 J	54.1 J	93 U	85 U
86-74-8	CARBAZOLE	NS	NS	NS	ug/kg	88 U	85 U	74 U	93 U	85 U
117-84-0	DI-N-OCTYLPHTHALATE	NS	NS	NS	ug/kg	102 J	85 UJ	74 UJ	93 U	85 U
	PESTICIDES									
7421-93-4	ENDRIN ALDEHYDE	NS	NS	NS	ug/kg	4.4	0.86 U	0.74 U	0.88 U	0.89 U
72-54-8	P,P'-DDD	3.3	2600	14000	ug/kg	5.4	0.86 U	0.74 U	0.88 U	0.89 U
	PCBs (None Detected)									
	HERBICIDES (None Detected)									

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	SB-11 1.5-2.0 ft PINE AVE-005-02 JC69463-2 ACCUTEST JC69463 SOIL 7/6/2018 9:35 8/12/2018	SB-11 2.0-2.5 ft PINE AVE-005-03 JC69463-3 ACCUTEST JC69463 SOIL 7/6/2018 9:40 8/12/2018	SB-11 3.0-4.0 ft PINE AVE-005-04 JC69463-4 ACCUTEST JC69463 SOIL 7/6/2018 9:45 8/12/2018	PINEAVE-008-PVE-01 2 - 3 ft PINEAVE-008-PVE-01 JC90608-2 ACCUTEST JC90608 SOIL 6/24/2019 17:00 8/6/2019	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02 JC90608-4 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019
CAS NO.	COMPOUND				UNITS:					
	INORGANICS									
7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	14900	12200	11800	18300	17200
7440-36-0	ANTIMONY	NS	NS	NS	mg/kg	2.7 U	2.5 U	2.2 U	8.1 U	2.7 U
7440-38-2	ARSENIC	13	16	16	mg/kg	12	3.7 J	2.3 J	3.7 J	3.3
7440-39-3	BARIUM	350	350	820	mg/kg	57.9	94.1	78.1	101	89.5
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.71	0.56	0.54	0.77	0.76
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.68 U	0.62 U	0.22 J	0.68 U	0.093 J
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	52700	39100	61900	51300	53800
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	20.7	17	15.4	25.2	24
7440-48-4	COBALT	NS	NS	NS	mg/kg	12	9.7	7.7	12.8	12.1
7440-50-8	COPPER	50	270	1720	mg/kg	16	11.2	14.7	20.3	17
7439-89-6	IRON	NS	NS	NS	mg/kg	28700	20700	19000	30300	26600
7439-92-1	LEAD	63	400	450	mg/kg	6.7 J	5.3 J	143	10.7	7.3
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	12700	10300	23300	14500	13100
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	761	604	534	599	629
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.043 U	0.039 U	0.035 U	0.041 U	0.039 U
7440-02-0	NICKEL	30	140	130	mg/kg	24.7	22.2	16.9	30.5	28.6
9/7/7440	POTASSIUM	NS	NS	NS	mg/kg	3660	2860	3200	4400	4130
7440-22-4	SILVER	2	36	8.3	mg/kg	2 U	1.9 U	1.6 U	2 U	0.67 U
7440-23-5	SODIUM	NS	NS	NS	mg/kg	218 J	177 J	191 J	264 J	235 J
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	28.4	23.3	22.2	34.7	32.9
7440-66-6	ZINC	109	2200	2480	mg/kg	49.8	49.4	104	61	54.7
	OTHER									
SOLID	SOLIDS, PERCENT	NS	NS	NS	%	74.1	76.9	87.6	71	74.4

Notes:
U - compound not detected. Detection limit posted.
J - estimated concentration below the detection limit.
UJ - estimated nondetected result
R - result rejected
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte
Exceeds NYCRR Part 375 Unrestricted-Use SCO
Exceeds NYCRR Part 375 Residential Use SCO

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

						Duplicate of PINEAVE-008-PVE-02					
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02D JC90608-5 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019	PINEAVE-008-SVE-01 0 - 1 ft PINEAVE-008-SVE-01 JC90608-1 ACCUTEST JC90608 SOIL 6/24/2019 16:45 8/6/2019	PINEAVE-008-SVE-02 2 - 3 ft PINEAVE-008-SVE-02 JC90608-3 ACCUTEST JC90608 SOIL 6/24/2019 17:15 8/6/2019	PINEAVE-008-SVE-03 0 - 1 ft PINEAVE-008-SVE-03 JC90608-6 ACCUTEST JC90608 SOIL 6/25/2019 9:50 8/6/2019		
		CAS NO.	COMPOUND				UNITS:				
			VOLATILES								
		75-35-4	1,1-DICHLOROETHENE	330	100,000	330	ug/kg	2.4 J	1.4 U	2.5	18.4
		95-50-1	1,2-DICHLOROBENZENE	1,100	2,300	1,100	ug/kg	1.7 U	1.4 U	1.3 U	17.1
		78-87-5	1,2-DICHLOROPROPANE	NS	NS	NS	ug/kg	5.7 J	2.8 U	2.5 U	2.6 U
		106-46-7	1,4-DICHLOROBENZENE	1,800	9,800	1,800	ug/kg	1.7 U	1.4 U	1.3 U	3.8
67-64-1	ACETONE	50	100,000	50	ug/kg	37.6 J	16.8	52	19.4		
71-43-2	BENZENE	60	2,900	60	ug/kg	0.84 U	0.69 U	0.64 U	0.78		
75-15-0	CARBON DISULFIDE	NS	NS	NS	ug/kg	1.6 J	2.8 U	2.5 U	8.7		
108-90-7	CHLOROBENZENE	1,100	100000	1100	ug/kg	3.4 U	2.8 U	2.5 U	2.3 J		
156-59-2	CIS-1,2-DICHLOROETHYLENE	250	59,000	250	ug/kg	5070	35.8	1280	3720		
110-82-7	CYCLOHEXANE	NS	NS	NS	ug/kg	3.4 U	2.8 U	2.5 U	2.6 U		
100-41-4	ETHYLBENZENE	1,000	30,000	1,000	ug/kg	1.7 U	1.4 U	1.3 U	1.8		
98-82-8	ISOPROPYLBENZENE (CUMENE)	NS	NS	NS	ug/kg	3.4 U	2.8 U	2.5 U	8.9		
136777-61-2	M,P-XYLENES	260	100,000	1,600	ug/kg	1.7 U	1.4 U	1.3 U	4.7		
108-87-2	METHYLCYCLOHEXANE	NS	NS	NS	ug/kg	3.4 U	2.8 U	2.5 U	3.1		
75-09-2	METHYLENE CHLORIDE	50	51,000	50	ug/kg	8.4 U	6.9 U	6.4 U	6.6 U		
95-47-6	O-XYLENE	260	100,000	1,000	ug/kg	1.7 U	1.4 U	1.3 U	5.6		
127-18-4	TETRACHLOROETHYLENE(PCE)	1,300	5,500	1,300	ug/kg	53100	1.8 J	2.5 U	1080000		
108-88-3	TOLUENE	700	100,000	700	ug/kg	1.7 U	1.4 U	1.3 U	4		
156-60-5	TRANS-1,2-DICHLOROETHENE	190	100,000	190	ug/kg	54.7 J	3.2	1 J	37.3		
79-01-6	TRICHLOROETHYLENE (TCE)	470	10,000	470	ug/kg	9210	1.4 U	1.3 U	26000		
75-01-4	VINYL CHLORIDE	20	210	20	ug/kg	161 J	2.8 U	3.4	6.9		
XYLENES	XYLENES, TOTAL	260	100,000	1,600	ug/kg	1.7 U	1.4 U	1.3 U	10.3		
	SEMIVOLATILES										
85-68-7	BENZYL BUTYL PHTHALATE	NS	NS	NS	ug/kg	89 U	88 U	83 U	88 U		
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	ug/kg	89 U	88 U	83 U	88 U		
86-74-8	CARBAZOLE	NS	NS	NS	ug/kg	89 U	88 U	83 U	7.1 J		
117-84-0	DI-N-OCTYLPHTHALATE	NS	NS	NS	ug/kg	89 U	88 U	83 U	88 U		
	PESTICIDES										
7421-93-4	ENDRIN ALDEHYDE	NS	NS	NS	ug/kg	0.88 U	0.89 U	0.85 U	0.87 U		
72-54-8	P,P'-DDD	3.3	2600	14000	ug/kg	0.88 U	0.89 U	0.85 U	1.5		
	PCBs (None Detected)										
	HERBICIDES (None Detected)										

Table 3B
2018 Subsurface Soil Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

					Duplicate of PINEAVE-008-PVE-02				
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Soil Analytical Data Detected Compound Summary		6 NYCRR Part 375 Unrestricted Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Residential Use Cleanup Objective (ppm) NS = not specified	6 NYCRR Part 375 Protection of Groundwater Cleanup Objective (ppm) NS = not specified	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	PINEAVE-008-PVE-02 2 - 3 ft PINEAVE-008-PVE-02D JC90608-5 ACCUTEST JC90608 SOIL 6/24/2019 17:40 8/6/2019	PINEAVE-008-SVE-01 0 - 1 ft PINEAVE-008-SVE-01 JC90608-1 ACCUTEST JC90608 SOIL 6/24/2019 16:45 8/6/2019	PINEAVE-008-SVE-02 2 - 3 ft PINEAVE-008-SVE-02 JC90608-3 ACCUTEST JC90608 SOIL 6/24/2019 17:15 8/6/2019	PINEAVE-008-SVE-03 0 - 1 ft PINEAVE-008-SVE-03 JC90608-6 ACCUTEST JC90608 SOIL 6/25/2019 9:50 8/6/2019
CAS NO.	COMPOUND				UNITS:				
	INORGANICS								
7429-90-5	ALUMINUM	NS	NS	NS	mg/kg	20300	18500	19700	17100
7440-36-0	ANTIMONY	NS	NS	NS	mg/kg	5.1 U	2.8 U	7.6 UJ	7.9 U
7440-38-2	ARSENIC	13	16	16	mg/kg	3.1 J	4.3	3.6 J	4.1 J
7440-39-3	BARIUM	350	350	820	mg/kg	114	86.9	102	85.8
7440-41-7	BERYLLIUM	7.2	14	47	mg/kg	0.87	0.84	0.86	0.68
7440-43-9	CADMIUM	2.5	2.5	7.5	mg/kg	0.64 U	0.71 U	0.63 U	0.66 U
7440-70-2	CALCIUM	NS	NS	NS	mg/kg	45200	59600	47900	49800
7440-47-3	CHROMIUM, TOTAL	NS	NS	NS	mg/kg	31.5	27.7	26.3	26.9
7440-48-4	COBALT	NS	NS	NS	mg/kg	13.5	12.2	12.8	11.7
7440-50-8	COPPER	50	270	1720	mg/kg	19.3	22.1	19.7	18.7
7439-89-6	IRON	NS	NS	NS	mg/kg	33300	27300	30200	29900
7439-92-1	LEAD	63	400	450	mg/kg	8.4	8.2	9.5	15.7
7439-95-4	MAGNESIUM	NS	NS	NS	mg/kg	12800	16200	13100	11600
7439-96-5	MANGANESE	1600	2000	2000	mg/kg	641	526	603	650
7439-97-6	MERCURY	0.18	0.81	0.73	mg/kg	0.044 U	0.043 U	0.038 U	0.041 U
7440-02-0	NICKEL	30	140	130	mg/kg	31.8	28.9	30.4	27.7
9/7/7440	POTASSIUM	NS	NS	NS	mg/kg	4810	4060	4790 J	3690
7440-22-4	SILVER	2	36	8.3	mg/kg	0.59 J	0.71 U	1.9 U	2 U
7440-23-5	SODIUM	NS	NS	NS	mg/kg	261 J	292 J	252 J	216 J
7440-62-2	VANADIUM	NS	NS	NS	mg/kg	36.6	34.4	36	32.6
7440-66-6	ZINC	109	2200	2480	mg/kg	58.8	56.9	58.4 J	54.6
	OTHER								
SOLID	SOLIDS, PERCENT	NS	NS	NS	%	74.3	73.5	75.6	74.5

Notes:

U - compound not detected. Detection limit posted.

J - estimated concentration below the detection limit.

UJ - estimated nondetected result

R - result rejected

NS - No Standard or Guidance Criteria.

NA - Sample not analyzed for indicated analyte

Exceeds NYCRR Part 375 Unrestricted-Use SCO

Exceeds NYCRR Part 375 Residential Use SCO

Table 4
2018 Groundwater Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

										Dup of MW-08 PINE AVE-006-04		
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	NYSDOH Proposed Maximum Contaminant Level	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	SB-11 (Temp Well) 1.5-4.0 ft PINE AVE-005-05 JC69463-5 ACCUTEST JC69463 WATER 7/6/2018 10:00 8/12/2018	FIELDQC PINE AVE-005-06 JC69463-6 ACCUTEST JC69463 WATER 7/6/2018 10:30 8/12/2018	FIELDQC PINE AVE-005-07 JC69463-7 ACCUTEST JC69463 WATER 7/6/2018 10:35 8/12/2018	MW-07 17.92-24.89 ft PINE AVE-006-01 JC69877-1 ACCUTEST JC69877 WATER 7/12/2018 9:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-04 JC69877-4 ACCUTEST JC69877 WATER 7/12/2018 11:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-05 JC69877-5 ACCUTEST JC69877 WATER 7/12/2018 0:00 8/12/2018	MW-09 18.17-26.32 ft PINE AVE-006-06 JC69877-6 ACCUTEST JC69877 WATER 7/12/2018 13:30 8/12/2018	FIELDQC PINE AVE-006-02 JC69877-2 ACCUTEST JC69877 WATER 7/12/2018 8:42 8/12/2018
CAS NO.	COMPOUND			UNITS:								
	PFAs											
375-73-5	Perfluorobutanesulfonic acid (PFBS)			ng/l	3.79	1.9 U	1.9 U	2.09	2.48	2.39	3.01	1.9 U
375-22-4	Perfluorobutanoic Acid			ng/l	4.46 J	7.7 U	7.7 U	5.89 J	5.41 J	5.41 J	7.7	7.4 U
375-85-9	Perfluoroheptanoic acid (PFHpA)			ng/l	2.9 U	1.9 U	1.9 U	3.75	2.94	2.86	2.62	1.9 U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)			ng/l	2.9 U	1.9 U	1.9 U	1.05 J	1.52 J	1.49 J	2.29	1.9 U
307-24-4	Perfluorohexanoic acid (PFHxA)			ng/l	3.84 J	3.8 U	3.8 U	6.76	5.63	5.09	5.53	3.7 U
375-95-1	Perfluorononanoic acid (PFNA)			ng/l	2.9 U	1.9 U	1.9 U	1.54 J	1.9 U	1.24 J	1.9 U	1.9 U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		10	ng/l	2.9 U	1.9 U	1.9 U	3.71	4.22	3.71	4.32	1.9 U
335-67-1	Perfluorooctanoic acid (PFOA)		10	ng/l	6.77	1.9 U	1.9 U	6.93	6.37	6.27	10.5	1.9 U
2706-90-3	Perfluoropentanoic Acid (PFPeA)			ng/l	2.77 J	3.8 U	3.8 U	11.7	9.85	9.7	10	3.7 U
	VOLATILES											
107-06-2	1,2-DICHLOROETHANE	0.6		ug/L	100 U	NA	NA	1 U	1 U	1 U	1.3	NA
156-59-2	CIS-1,2-DICHLOROETHYLENE	5		ug/L	6310	NA	NA	12.2	25.9	26.6	111	NA
127-18-4	TETRACHLOROETHYLENE(PCE)	5		ug/L	35500	NA	NA	1 U	5.1	5.4	149	NA
156-60-5	TRANS-1,2-DICHLOROETHENE	5		ug/L	56.4 J	NA	NA	1 U	1 U	1 U	1.4	NA
79-01-6	TRICHLOROETHYLENE (TCE)	5		ug/L	8000	NA	NA	0.56 J	5.5	5.4	70.4	NA
75-01-4	VINYL CHLORIDE	2		ug/L	100 U	NA	NA	7.5	3.9	3.9	8.8	NA
	SEMIVOLATILES											
123-91-1	1,4-DIOXANE (P-DIOXANE)		1	ug/L	0.215	NA	NA	0.0784 J	0.0632 J	0.202 J	0.0877 J	NA
56-55-3	BENZO(A)ANTHRACENE	0.002		ug/L	0.44 J	NA	NA	1 U	1 U	1 U	1 U	NA
85-68-7	BENZYL BUTYL PHTHALATE	50		ug/L	2.9	NA	NA	2.1 U	2.1 U	2 U	2 U	NA
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5		ug/L	52.9	NA	NA	2.1 U	2.1 U	2 U	2 U	NA
218-01-9	CHRYSENE	0.002		ug/L	0.44 J	NA	NA	1 U	1 U	1 U	1 U	NA
117-84-0	DI-N-OCTYLPHTHALATE	50		ug/L	4.2	NA	NA	2.1 U	2.1 U	2 U	2 U	NA
206-44-0	FLUORANTHENE	50		ug/L	0.57 J	NA	NA	1 U	1 U	1 U	1 U	NA
129-00-0	PYRENE	50		ug/L	0.66 J	NA	NA	1 U	1 U	1 U	1 U	NA
	PESTICIDES											
7421-93-4	ENDRIN ALDEHYDE	5		ug/L	0.026 J	NA	NA	0.0067 U	0.0074 U	0.0069 U	0.0067 U	NA

Table 4
2018 Groundwater Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

										Dup of MW-08 PINE AVE-006-04		
NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	NYSDOH Proposed Maximum Contaminant Level	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	SB-11 (Temp Well) 1.5-4.0 ft PINE AVE-005-05 JC69463-5 ACCUTEST JC69463 WATER 7/6/2018 10:00 8/12/2018	FIELDQC PINE AVE-005-06 JC69463-6 ACCUTEST JC69463 WATER 7/6/2018 10:30 8/12/2018	FIELDQC PINE AVE-005-07 JC69463-7 ACCUTEST JC69463 WATER 7/6/2018 10:35 8/12/2018	MW-07 17.92-24.89 ft PINE AVE-006-01 JC69877-1 ACCUTEST JC69877 WATER 7/12/2018 9:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-04 JC69877-4 ACCUTEST JC69877 WATER 7/12/2018 11:15 8/12/2018	MW-08 18.17-26.5 ft PINE AVE-006-05 JC69877-5 ACCUTEST JC69877 WATER 7/12/2018 0:00 8/12/2018	MW-09 18.17-26.32 ft PINE AVE-006-06 JC69877-6 ACCUTEST JC69877 WATER 7/12/2018 13:30 8/12/2018	FIELDQC PINE AVE-006-02 JC69877-2 ACCUTEST JC69877 WATER 7/12/2018 8:42 8/12/2018
CAS NO.	COMPOUND			UNITS:								
	PCBs											
	HERBICIDES											
	INORGANICS											
7429-90-5	ALUMINUM	NS		ug/L	690000	NA	NA	200 U	200 U	200 U	200 U	NA
7440-38-2	ARSENIC	25		ug/L	150 U	NA	NA	9 U	3 U	3 U	20.9	NA
7440-39-3	BARIUM	1,000		ug/L	5060 J	NA	NA	110 J	104 J	105 J	93.2 J	NA
7440-41-7	BERYLLIUM	3		ug/L	35 J	NA	NA	1 U	1 U	1 U	1 U	NA
7440-70-2	CALCIUM	NS		ug/L	2680000	NA	NA	208000	164000	165000	146000	NA
7440-47-3	CHROMIUM, TOTAL	50		ug/L	890	NA	NA	10 U	10 U	10 U	10 U	NA
7440-48-4	COBALT	NS		ug/L	475 J	NA	NA	50 U	50 U	50 U	3.9 J	NA
7440-50-8	COPPER	200		ug/L	720	NA	NA	10 U	10 U	10 U	10 U	NA
7439-89-6	IRON	300		ug/L	932000	NA	NA	466	172	177	638	NA
7439-92-1	LEAD	25		ug/L	570	NA	NA	3 U	3 U	3 U	1.8 J	NA
7439-95-4	MAGNESIUM	35,000		ug/L	701000	NA	NA	92300	74000	73700	55800	NA
7439-96-5	MANGANESE	300		ug/L	30600	NA	NA	133	142	143	311	NA
7439-97-6	MERCURY	0.7		ug/L	6 U	NA	NA	0.11 J	0.2 U	0.13 J	0.14 J	NA
7440-02-0	NICKEL	100		ug/L	1060	NA	NA	6 J	4.3 J	4.2 J	8.4 J	NA
9/7/7440	POTASSIUM	NS		ug/L	232000 J	NA	NA	3690 J	3320 J	3420 J	2870 J	NA
7440-22-4	SILVER	50		ug/L	100 J	NA	NA	10 U	10 U	10 U	10 U	NA
7440-23-5	SODIUM	20,000		ug/L	74200 J	NA	NA	186000	158000	158000	131000	NA
7440-62-2	VANADIUM	NS		ug/L	1250 J	NA	NA	50 U	50 U	50 U	2.5 J	NA
7440-66-6	ZINC	2,000		ug/L	3130	NA	NA	187 J	213	214	209	NA
	DISSOLVED METALS											
7440-38-2	ARSENIC	25		ug/l	NA	NA	NA	8.6 J	3 U	3 U	20.6	NA
7440-39-3	BARIUM	1,000		ug/l	NA	NA	NA	111 J	105 J	105 J	92.6 J	NA
7440-70-2	CALCIUM	NS		ug/l	NA	NA	NA	208000	165000	164000	144000	NA
7440-48-4	COBALT	NS		ug/l	NA	NA	NA	50 U	50 U	50 U	4.1 J	NA
7440-50-8	COPPER	200		ug/l	NA	NA	NA	8.9 J	10 U	10 U	7.1 J	NA
7439-89-6	IRON	300		ug/l	NA	NA	NA	462	160	158	597	NA
7439-95-4	MAGNESIUM	35,000		ug/l	NA	NA	NA	93800	74200	73900	55100	NA
7439-96-5	MANGANESE	300		ug/l	NA	NA	NA	133	143	143	316	NA
7439-97-6	MERCURY	0.7		ug/l	NA	NA	NA	0.13 J	0.13 J	0.14 J	0.12 J	NA
7440-02-0	NICKEL	100		ug/l	NA	NA	NA	5.5 J	4.4 J	4.5 J	8.1 J	NA
9/7/7440	POTASSIUM	NS		ug/l	NA	NA	NA	3710 J	3370 J	3390 J	2880 J	NA
7440-23-5	SODIUM	20,000		ug/l	NA	NA	NA	186000	160000	159000	131000	NA
7440-62-2	VANADIUM	NS		ug/l	NA	NA	NA	50 U	50 U	50 U	2.7 J	NA
7440-66-6	ZINC	2,000		ug/l	NA	NA	NA	191	214	212	206	NA

Notes:
ng/L - nanograms per liter
ug/L - micrograms per liter
U - compound not detected. Detection limit posted.
J - estimated concentration below the contract required detection limit.
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte
Shaded concentrations exceed NYSDEC Class GA Ambient Water Quality
Standards/Guidance Criteria or proposed NYSDOH MDLs

Table 4
2018 Groundwater Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	NYSDOH Proposed Maximum Contaminant Level	Location ID: Depth: Sample ID: Lab Sample ID: Source: SDG: Matrix: Sampled: Validated:	FIELDQC PINE AVE-006-03 JC69877-3 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018
CAS NO.	COMPOUND			UNITS:	
	PFAs				
375-73-5	Perfluorobutanesulfonic acid (PFBS)			ng/l	2.1 U
375-22-4	Perfluorobutanoic Acid			ng/l	8.3 U
375-85-9	Perfluoroheptanoic acid (PFHpA)			ng/l	2.1 U
355-46-4	Perfluorohexanesulfonic acid (PFHxS)			ng/l	2.1 U
307-24-4	Perfluorohexanoic acid (PFHxA)			ng/l	4.2 U
375-95-1	Perfluorononanoic acid (PFNA)			ng/l	2.1 U
1763-23-1	Perfluorooctanesulfonic acid (PFOS)		10	ng/l	2.1 U
335-67-1	Perfluorooctanoic acid (PFOA)		10	ng/l	2.1 U
2706-90-3	Perfluoropentanoic Acid (PFPeA)			ng/l	4.2 U
	VOLATILES				
107-06-2	1,2-DICHLOROETHANE	0.6		ug/L	NA
156-59-2	CIS-1,2-DICHLOROETHYLENE	5		ug/L	NA
127-18-4	TETRACHLOROETHYLENE(PCE)	5		ug/L	NA
156-60-5	TRANS-1,2-DICHLOROETHENE	5		ug/L	NA
79-01-6	TRICHLOROETHYLENE (TCE)	5		ug/L	NA
75-01-4	VINYL CHLORIDE	2		ug/L	NA
	SEMIVOLATILES				
123-91-1	1,4-DIOXANE (P-DIOXANE)		1	ug/L	NA
56-55-3	BENZO(A)ANTHRACENE	0.002		ug/L	NA
85-68-7	BENZYL BUTYL PHTHALATE	50		ug/L	NA
117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	5		ug/L	NA
218-01-9	CHRYSENE	0.002		ug/L	NA
117-84-0	DI-N-OCTYLPHTHALATE	50		ug/L	NA
206-44-0	FLUORANTHENE	50		ug/L	NA
129-00-0	PYRENE	50		ug/L	NA
	PESTICIDES				
7421-93-4	ENDRIN ALDEHYDE	5		ug/L	NA

Table 4
2018 Groundwater Analytical Results - Detected Compounds
Time 1-Hour Cleaners
Niagara Falls, New York

NYSDEC-Pine Ave Site 2018 Site Investigation Validated Groundwater Analytical Data SDG: JC69463		NYSDEC Class GA Ambient Water Quality Standards Guidance Criteria	NYSDOH Proposed Maximum Contaminant Level	Location ID: Depth: Sample ID: Lab Sample I Source: SDG: Matrix: Sampled: Validated:	FIELDQC PINE AVE-006-03 JC69877-3 ACCUTEST JC69877 WATER 7/12/2018 16:00 8/12/2018
CAS NO.	COMPOUND			UNITS:	
	PCBs				
	HERBICIDES				
	INORGANICS				
7429-90-5	ALUMINUM	NS		ug/L	NA
7440-38-2	ARSENIC	25		ug/L	NA
7440-39-3	BARIUM	1,000		ug/L	NA
7440-41-7	BERYLLIUM	3		ug/L	NA
7440-70-2	CALCIUM	NS		ug/L	NA
7440-47-3	CHROMIUM, TOTAL	50		ug/L	NA
7440-48-4	COBALT	NS		ug/L	NA
7440-50-8	COPPER	200		ug/L	NA
7439-89-6	IRON	300		ug/L	NA
7439-92-1	LEAD	25		ug/L	NA
7439-95-4	MAGNESIUM	35,000		ug/L	NA
7439-96-5	MANGANESE	300		ug/L	NA
7439-97-6	MERCURY	0.7		ug/L	NA
7440-02-0	NICKEL	100		ug/L	NA
9/7/7440	POTASSIUM	NS		ug/L	NA
7440-22-4	SILVER	50		ug/L	NA
7440-23-5	SODIUM	20,000		ug/L	NA
7440-62-2	VANADIUM	NS		ug/L	NA
7440-66-6	ZINC	2,000		ug/L	NA
	DISSOLVED METALS				
7440-38-2	ARSENIC	25		ug/l	NA
7440-39-3	BARIUM	1,000		ug/l	NA
7440-70-2	CALCIUM	NS		ug/l	NA
7440-48-4	COBALT	NS		ug/l	NA
7440-50-8	COPPER	200		ug/l	NA
7439-89-6	IRON	300		ug/l	NA
7439-95-4	MAGNESIUM	35,000		ug/l	NA
7439-96-5	MANGANESE	300		ug/l	NA
7439-97-6	MERCURY	0.7		ug/l	NA
7440-02-0	NICKEL	100		ug/l	NA
9/7/7440	POTASSIUM	NS		ug/l	NA
7440-23-5	SODIUM	20,000		ug/l	NA
7440-62-2	VANADIUM	NS		ug/l	NA
7440-66-6	ZINC	2,000		ug/l	NA

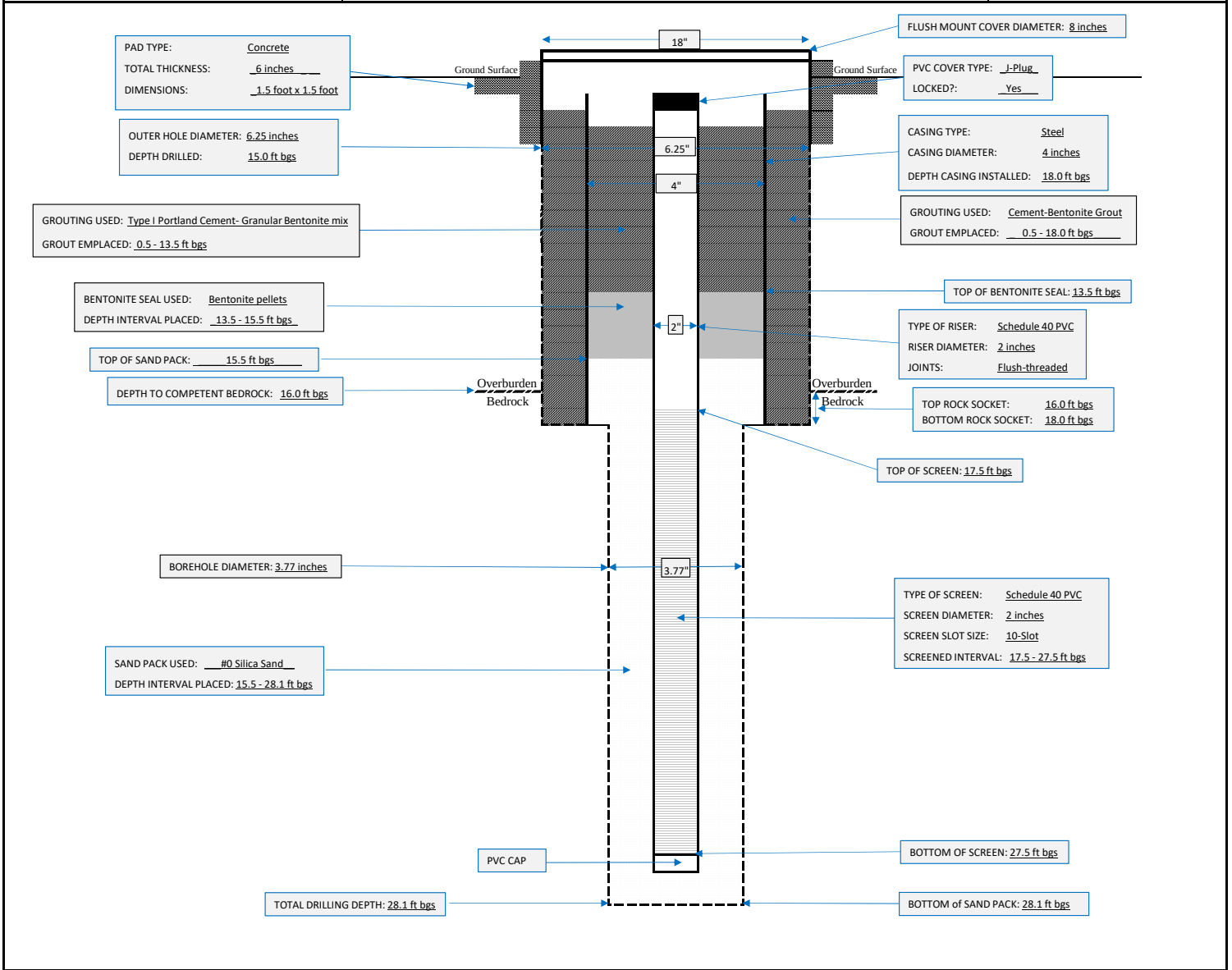
Notes:
ng/L - nanograms per liter
ug/L - micrograms per liter
U - compound not detected. Detection limit posted.
J - estimated concentration below the contract required detection limit.
NS - No Standard or Guidance Criteria.
NA - Sample not analyzed for indicated analyte
Shaded concentrations exceed NYSDEC Class GA Ambient Water Quality
Standards/Guidance Criteria or proposed NYSDOH MDLs

APPENDIX D - SOIL BORING AND MONITORING WELL LOGS

							BOREHOLE LOG		Hole No.: MW-10		Job No.: 452276.03010	
Project: Time 1-Hour Cleaners Site							Drilling Contractor: ATL		Overburden Date Started: 11/08/2023 08:13			
Client: New York State Department of Environmental Conservation							Driller: M. Matthies		Overburden Date Finished: 11/08/2023 10:00			
							Geologist: R. Inclima		Drilling Date Started: 11/10/2023 08:19			
Location: Niagara Falls, NY							Length of Casing: 18 ft		Drilling Date Finished: 11/10/2023 09:25			
Hole Location: 1128127.229 ft N 1028780.204 ft E							Casing Size: 4 "		Total Depth: 28.1 ft		Drill Rig: CME 550	
							Core Size: 2.5" ID 3.77" OD		Ground Elev.: 578.37 ft		Inclination/Bearing: Vertical	
Depth (ft)	Formation	Run Number	Blow Countss	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))		Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)		Elevation (ft AMSL)
0	Overburden							0'-1': Dry-to-moist, soft, brown SILT, some Organic Material (roots), little(-) Historical Fill (glass, brick, concrete bits). [ML]				578
								1'-5': Moist, medium stiff, brown CLAY, trace(-) fine Gravel; moisture content increased towards 5 ft. [CL]		Sample ID: MW-10-1.0-1.5		
				0	--	100	HC					576
												574
5									5'-6': Moist, soft, brown CLAY, trace(-) Silt. [CL]			
	Overburden	1	3/3 5/6	0	--	50	SS					572
	Overburden	2	5/88 10/1010	0	--	100	SS	7'-9': Moist, medium stiff, brown CLAY, trace(-) Silt; varved; rust-like staining within clay laminations at the 8 to 9 ft interval. [CL]		Sample ID: MW-10-8.0-10.0		570
	Overburden	3	1/11 2/22	0	--	75	SS	9'-10.5': Wet, soft, brown CLAY, trace(-) Silt. [CL]				
10								11'-11.3': Wet, medium stiff, brown CLAY, little(-) Silt. [CL] 11.3'-12': Wet, medium stiff, brown SILT, some Clay, little medium to fine Gravel (subangular-subrounded). [ML]		Sample ID: MW-10-11.5-14.0		566
	Overburden	4	6/6 5/3	0	--	50	SS					
	Overburden	5	3/22 4/50/22	0	--	35	SS	13'-14': Moist, medium stiff, brown SILT, little Clay and medium to fine Gravel (subangular-subrounded). [ML]				564
15												
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer							Comments: Rock socket: 18 ft bgs Began to lose water at ~20.5 ft bgs; ~225 gallons of water lost to formation during rock coring.					
PAGE 1 of 2												

PARSONS		BOREHOLE LOG		Hole No.: MW-10		Job No.: 452276.03010				
Project: Time 1-Hour Cleaners Site		Drilling Contractor: ATL		Overburden Date Started: 11/08/2023 08:13						
Client: New York State Department of Environmental Conservation		Driller: M. Matthies		Overburden Date Finished: 11/08/2023 10:00						
		Geologist: R. Inclima		Drilling Date Started: 11/10/2023 08:19						
Location: Niagara Falls, NY		Length of Casing: 18 ft		Drilling Date Finished: 11/10/2023 09:25						
Hole Location: 1128127.229 ft N 1028780.204 ft E		Casing Size: 4 "		Total Depth: 28.1 ft		Drill Rig: CME 550				
		Core Size: 2.5" ID 3.77" OD		Ground Elev.: 578.37 ft		Inclination/Bearing: Vertical				
Depth (ft)	Formation	Run Number	Pen. Rate (min/ft)	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))	Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)	Elevation (ft AMSL)
15	Lockport Group	1	4.5	0	84	80	RC	-At 15': Auger refusal at 15 ft bgs. Top of competent rock at 16 ft bgs.		562
								<u>18'-22'</u> : Gray, DOLOMITIC WACKESTONE, fine grained, thickly bedded, hard, slightly fractured; evidence of increased secondary porosity due to dissolution throughout core run. -At 18.3': Small vug. -At 18.7': Large gypsum vein/filled vug.	18.1': Mechanical horizontal fracture. 18.6': Moderately eroded and weathered horizontal fracture.	560
20								-At 20.3': Medium sized vug with dolomite crystal. -At 20.95': Cluster of small vugs. -At 21.2': Elongated, medium sized vug along bedding plane. <u>21.2'-22'</u> : Sporadic, very small vugs throughout.	19.78': Slightly weathered, fully healed horizontal fracture. 20.6': Highly eroded and weathered horizontal fracture (rubble zone); rounded rubble and fracture surfaces. 21.05': Moderately eroded and weathered horizontal fracture with rough, vuggy fracture surfaces.	558
	Lockport Group	2	4.5	0	77	110	RC	<u>22'-28.1'</u> : Gray, DOLOMITIC WACKESTONE, fine grained, thickly bedded, hard, slightly-to-intensely fractured; evidence of increased secondary porosity due to dissolution throughout core run. -At 22.1': Medium sized vug with rough edges. <u>23.5'-25.2'</u> : Sporadic tabulate coral fossils present throughout interval. -At 23.8': Large vug with large dolomite and fluorite crystals. -At 24.4': Medium sized vug. -At 25': Large, deep vug. <u>25.8'-28'</u> : Sporadic small vugs throughout interval.	24.2': Moderately eroded and weathered, slightly dipping horizontal fracture; tabulate coral fossils and vugs within fracture surfaces. 24.8': Highly eroded and weathered horizontal fracture with rough surfaces; tabulate coral fossils and vugs within fracture surfaces. 25.1'-25.75': Moderately eroded and weathered fracture zone (rubble zone).	556
25								-At 27.6': Angular vug with fine, rhombohedral gypsum crystals.	27.5': Slightly eroded and weathered horizontal fracture.	554
										552
30										550
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer								Comments: Rock socket: 18 ft bgs Began to lose water at ~20.5 ft bgs; ~225 gallons of water lost to formation during rock coring.		
PAGE 2 of 2										

Contractor: ATL Driller: M. Matthies Oversight: R. Inclima Rig Type: CME 550X Auger Diameter: 6.25 OD Hollow-Stem Core Type: HQ Triple Core Barrel Core Inner Diameter: 2.5 inches Core Outer Diameter: 3.77 inches	PARSONS MONITORING WELL CONSTRUCTION DIAGRAM PROJECT NAME: Time 1-Hour Cleaners Site PROJECT Location: Niagara Falls, NY Dates Drilled: 11/8/2023 (Hand Cleared, Overburden Drilled, Casing Installed); 11/10/2023 (Cored) Dates Installed: 11/10/2023 (Well Installed); 11/13/2023 (Surface Completion)	BORING/ Page 1 of 1 WELL NO. MW-10 



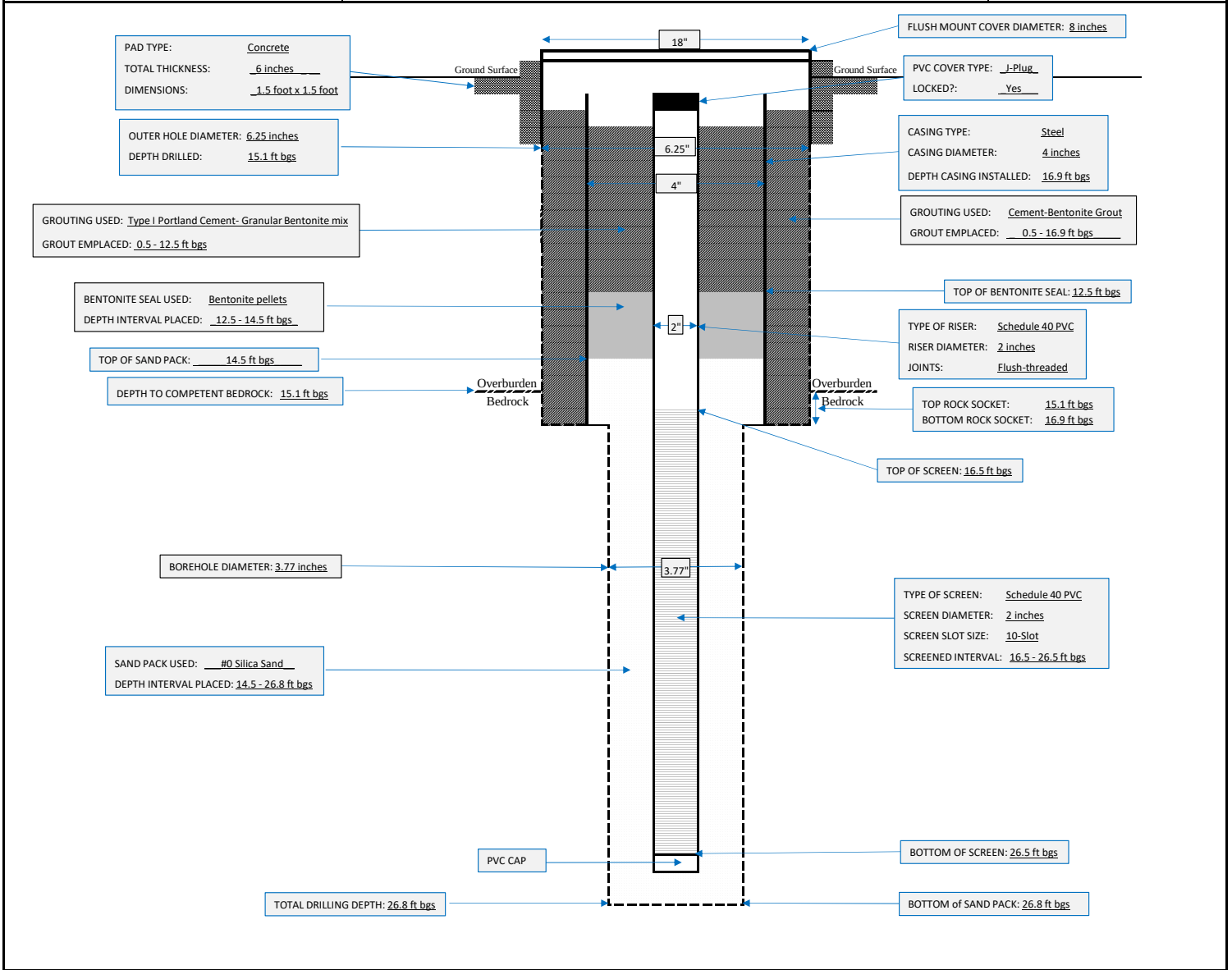
COMMENTS	Diagram not to scale.

 PARSONS							BOREHOLE LOG		Hole No.: MW-11		Job No.: 452276.03010	
Project: Time 1-Hour Cleaners Site							Drilling Contractor: ATL		Overburden Date Started: 11/03/2023 13:13			
Client: New York State Department of Environmental Conservation							Driller: M. Matthies		Overburden Date Finished: 11/06/2023 09:20			
							Geologist: R. Inclima		Drilling Date Started: 11/07/2023 12:30			
Location: Niagara Falls, NY							Length of Casing: 17 ft		Drilling Date Finished: 11/07/2023 13:30			
Hole Location: 1128106.166 ft N 1028786.824 ft E							Casing Size: 4 "		Total Depth: 26.8 ft		Drill Rig: CME 550	
							Core Size: 2.5" ID 3.77" OD		Ground Elev.: 578.42 ft		Inclination/Bearing: Vertical	
Depth (ft)	Formation	Run Number	Blow Counts	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))		Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)		Elevation (ft AMSL)
0	Overburden							0'-0.5': Moist, soft, dark brown SILT, little(-) Historical Fill (glass, metal, brick) and Organic Material (roots). [ML] 0.5'-6': Dry, stiff, light brown-gray CLAY, some Silt, trace(+) medium to fine Gravel. [CL]		Sample ID: MW-11-.05-1.0		578
				0	--	100	HC					576
												574
5								6'-8': Moist, stiff, light brown CLAY. [CH]				572
		Overburden	1	3/3 4/4	0	--	100	SS	8'-10': Moist-to-wet, soft, brown CLAY, trace Silt; varved; moisture content increases towards 9 ft. [CL]		Sample ID: MW-11-8.0-10.0	
10	Overburden	2	1/1 2/1	0	--	50	SS	10'-11': Wet, soft, brown CLAY, trace Silt and fine Gravel (subrounded). [CL]				568
	Overburden	3	2/3 2/2	0	--	50	SS	12'-13': Wet, soft, brown CLAY, little Silt and fine Gravel (subrounded); gravel content increases towards 13 ft. [CL]		Sample ID: MW-11-12.0-13.0		566
	Overburden	4	3/6 50/4	0	--	25	SS	14'-14.25': Moist, soft, brown CLAY, little Silt and fine Gravel (subrounded). [CL] 14.25'-14.5': Moist, medium stiff, brown SILT, little(+) Clay and medium to fine Gravel (subrounded). [ML]		Sample ID: MW-11-14.0-15.0		564
15												
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer							Comments: Rock socket: 16.9 ft bgs Began to lose water at ~20.4 ft bgs; ~200 gallons of water lost to formation during rock coring.					
PAGE 1 of 2												

		BOREHOLE LOG		Hole No.: MW-11		Job No.: 452276.03010				
Project: Time 1-Hour Cleaners Site		Drilling Contractor: ATL		Overburden Date Started: 11/03/2023 13:13						
Client: New York State Department of Environmental Conservation		Driller: M. Matthies		Overburden Date Finished: 11/06/2023 09:20						
		Geologist: R. Inclima		Drilling Date Started: 11/07/2023 12:30						
Location: Niagara Falls, NY		Length of Casing: 17 ft		Drilling Date Finished: 11/07/2023 13:30						
Hole Location: 1128106.166 ft N 1028786.824 ft E		Casing Size: 4 "		Total Depth: 26.8 ft		Drill Rig: CME 550				
		Core Size: 2.5" ID 3.77" OD		Ground Elev.: 578.42 ft		Inclination/Bearing: Vertical				
Depth (ft)	Formation	Run Number	Pen. Rate (min/ft)	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))	Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)	Elevation (ft AMSL)
15	Overburden	4		0	-	25	SS	-At 15.1': Auger refusal at 15.1 ft bgs. Top of competent rock at 15.1 ft bgs.		562
	Lockport Group	1	2.75	0	69	84	RC	<u>16.9'-21.6'</u> : Gray, DOLOMITIC WACKESTONE, fine grained, thickly bedded, hard, moderately fractured; evidence of increased secondary porosity due to dissolution throughout core run. <u>17.2'-17.5'</u> : Cluster of small vugs and a stylolite. -At 18.1': Cluster of small vugs; some elongated.	17.2': Slightly eroded horizontal fracture with slightly rounded edges and small vug within fracture surfaces. 17.6'-17.7': Highly eroded and weathered horizontal fracture (rubble zone).	560
-20								-At 19.9': Cluster of small vugs and tabulate coral fossils; increased secondary porosity.	19.2': Moderately eroded and weathered horizontal fracture; upper fracture surface is coned.	
								<u>20.7'-21.05'</u> : Cluster of small vugs and sparse tabulate coral fossils. -At 21.15': Large, deep vug with "pee-sized" yellow fluorite crystal and dolomite crystal. -At 21.4': Large, deep vug with "pee-sized" dolomite crystal. <u>21.45'-21.6'</u> : Cluster of small vugs and tabulate coral fossils; increased secondary porosity. <u>21.6'-26.8'</u> : Gray, DOLOMITIC WACKESTONE, fine grained, thickly bedded, hard, intensely fractured; evidence of increased secondary porosity due to dissolution throughout core run. <u>22'-24.1'</u> : Clusters of vugs and tabulate coral fossils throughout interval; increased secondary porosity	20.4': Highly eroded and weathered horizontal fracture (rubble zone); rounded rubble and fracture surfaces. 21': Highly eroded and weathered horizontal fracture. 21.25': Highly eroded and weathered horizontal fracture with rough, vuggy fracture surfaces.	558
	Lockport Group	2	2.0	0	64	108	RC	-At 24': Steeply dipping stylolite.	22.4': Moderately eroded horizontal fracture (rubble zone). 22.85': Moderately eroded and weathered horizontal fracture with slightly rounded edges and undulating fracture surfaces. 23.8': Moderately eroded horizontal fracture. 24'-24.95': Moderately to highly eroded and weathered horizontal fracture zone (rubble zone); dissolved fractures and rounded rubble present.	556
-25								-At 25.6': Subvertical, elongated vugs.	25.3': Slightly eroded, slightly dipping horizontal fracture.	
								-At 26.2': Tabulate coral fossil. -At 26.4': Horizontal stylolite.	26.3': Moderately eroded and weathered horizontal fracture with uneven fracture surfaces. 26.6': Mechanical horizontal fracture.	554
										552
										550
30										
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer								Comments: Rock socket: 16.9 ft bgs Began to lose water at ~20.4 ft bgs; ~200 gallons of water lost to formation during rock coring.		

PAGE 2 of 2

Contractor: ATL Driller: M. Matthies Oversight: R. Inclima Rig Type: CME 550X Auger Diameter: 6.25 OD Hollow-Stem Core Type: HQ Triple Core Barrel Core Inner Diameter: 2.5 inches Core Outer Diameter: 3.77 inches	PARSONS MONITORING WELL CONSTRUCTION DIAGRAM PROJECT NAME: Time 1-Hour Cleaners Site PROJECT Location: Niagara Falls, NY Dates Drilled: 11/3/2023 (Hand Cleared); 11/6/2023 (Casing Installed); 11/7/2023 (Cored) Dates Installed: 11/7/2023 (Well Installed); 11/13/2023 (Surface Completion)	BORING/ Page 1 of 1 WELL NO. MW-11 

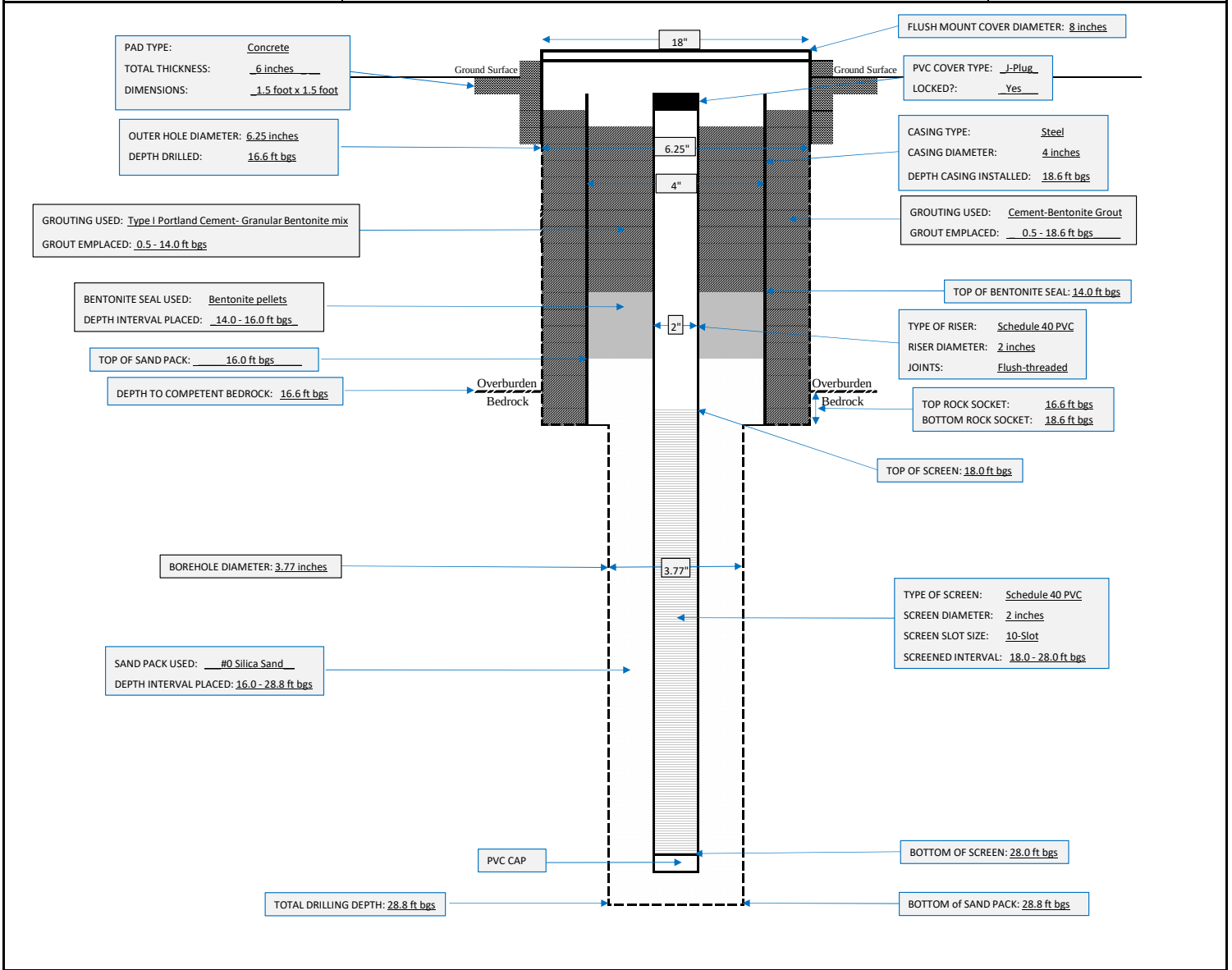


COMMENTS	Diagram not to scale.

 PARSONS							BOREHOLE LOG			Hole No.: MW-12		Job No.: 452276.03010					
Project: Time 1-Hour Cleaners Site							Drilling Contractor: ATL			Overburden Date Started: 11/15/2023 08:23							
Client: New York State Department of Environmental Conservation							Driller: M. Matthies			Overburden Date Finished: 11/15/2023 11:45							
							Geologist: R. Inclima			Drilling Date Started: 11/17/2023 08:47							
Location: Niagara Falls, NY							Length of Casing: 18.6 ft			Drilling Date Finished: 11/17/2023 09:28							
Hole Location: 1128019.291 ft N 1028808.673 ft E							Casing Size: 4 "			Total Depth: 28.8 ft		Drill Rig: CME 550					
							Core Size: 2.5" ID 3.77" OD			Ground Elev.: 578.56 ft		Inclination/Bearing: Vertical					
Depth (ft)	Formation	Run Number	Blow Counts	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))				Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)				Elevation (ft AMSL)	
0	Overburden							0'-0.75': Dry-to-moist, soft, dark brown SILT, little(+) medium to fine Gravel (subangular) and Historical Fill (brick, glass, concrete), trace(+) coarse Gravel (subangular) and (-)Cobbles. [ML] 0.75'-1.5': Moist, medium stiff, brown CLAY, trace Silt; varved. [CL] 1.5'-5': Moist, medium stiff, brown CLAY, little(-) Silt; varved. [CL]				Sample ID: MW-12-1.5-2.0				578	
				0	--	100	HC									576	
																	574
5		Overburden	1	2/5 6/7	0	--	75	SS	5'-6.5': Moist, medium stiff, brown CLAY, trace Silt; varved. [CL]								572
		Overburden	2	11/10 11/13	0	--	75	SS	7'-8.5': Dry-to-moist, medium stiff, brown CLAY, trace Silt and (-)fine Gravel (angular); varved. [CL]				Sample ID: MW-12-8.0-10.0				570
	Overburden	3	1/2 1/2	0	--	75	SS	9'-10.5': Moist-to-wet, soft, brown CLAY, trace Silt; varved. [CL]								568	
	Overburden	4	2/2 2/2	0	--	50	SS	11'-12': Wet, soft, brown, CLAY, trace(+) Silt and fine Gravel; Silt content increases towards 12 ft bgs. [CL]								566	
	Overburden	5	WOH 2/2	0	--	30	SS	13'-13.3': Wet, soft, brown SILT, little Clay and medium to fine Gravel (subangular-angular). [ML]				Sample ID: MW-12-13.0-15.0				564	
15																	
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer								Comments: Rock socket: 18.6 ft bgs Began to lose water at ~21.85 ft bgs; ~175 gallons of water lost to formation during rock coring. WOH = Weight of Hammer								PAGE 1 of 2	

PARSONS		BOREHOLE LOG					Hole No.: MW-12		Job No.: 452276.03010			
Project: Time 1-Hour Cleaners Site		Drilling Contractor: ATL		Overburden Date Started: 11/15/2023 08:23								
Client: New York State Department of Environmental Conservation		Driller: M. Matthies		Overburden Date Finished: 11/15/2023 11:45								
		Geologist: R. Inclima		Drilling Date Started: 11/17/2023 08:47								
Location: Niagara Falls, NY		Length of Casing: 18.6 ft		Drilling Date Finished: 11/17/2023 09:28								
Hole Location: 1128019.291 ft N 1028808.673 ft E		Casing Size: 4 "		Total Depth: 28.8 ft		Drill Rig: CME 550						
		Core Size: 2.5" ID 3.77" OD		Ground Elev.: 578.56 ft		Inclination/Bearing: Vertical						
Depth (ft)	Formation	Run Number	Pen. Rate (min/ft)	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))		Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)		Elevation (ft AMSL)
15	Overburden	6	2/5 30/50/2	0	-	40	SS	<u>15'-15.3'</u> : Moist, medium stiff, brown SILT, little(+) medium to fine Gravel (subangular), trace Clay. [ML] <u>15.3'-15.8'</u> : Dry, hard WEATHERED BEDROCK (dolostone). -At 15.8': Split Spoon refusal at 15.8 ft bgs. Auger refusal and top of competent rock at 16.6 ft bgs.				562
												560
20	Lockport Group	1	1.63	0	90	100	RC	<u>18.6'-23.5'</u> : Gray, DOLOMITIC WACKESTONE, fine grained, thickly bedded, hard, slightly fractured. -At 19.6': Stylolite. <u>20.4'-20.75'</u> : Evidence of increased secondary porosity due to dissolution; narrow aperture with dolomite crystals. -At 20.55': Stylolite. <u>21'-21.2'</u> : Evidence of increased secondary porosity due to dissolution and presence of tabulate coral fossils. -At 21.15': Elongated, horizontal vug. <u>21.2'-21.3'</u> : Evidence of increased secondary porosity due to dissolution. -At 21.35': Two elongated, horizontal vugs. -At 21.8': Tabulate coral fossils. <u>22.3'-22.5'</u> : Increased secondary porosity.		19.9': Slightly eroded horizontal fracture with gypsum precipitate present on portion of fracture surface. 20.95'-21.1': Moderately eroded and weathered horizontal fracture zone (2) with rough, vuggy fracture surfaces. 21.45': Moderately eroded and weathered horizontal with moderately smoothed, vuggy fracture surfaces. 21.85': Highly eroded and weathered horizontal fracture zone with cone-shaped upper fracture surface.		558
												556
25	Lockport Group	2	0.74	0	67	100	RC	<u>23.5'-28.8'</u> : Gray, DOLOMITIC WACKESTONE, fine grained, thickly bedded, hard, intensely fractured. <u>23.5'-23.6'</u> : Vertical and horizontal vugs. <u>23.7'-24.8'</u> : Sporadic tabulate coral fossils and vugs throughout, increased secondary porosity, dolomite and gypsum crystals present in vugs. -At 24.85': Narrow, horizontal vug. -At 25.1': Small gypsum vein. -At 25.4': Small vugs and gypsum vein. <u>25.8'-27.15'</u> : Cluster of small vugs and small, elongated vug with dolomite crystals. <u>27.45'-28.45'</u> : Evidence of increased secondary porosity due to dissolution, presence of tabulate coral fossils, and stylolite. <u>27.9'-28.35'</u> : Medium to large vug cluster with dolomite crystals.		23.25': Highly eroded and weathered horizontal fracture with rough, vuggy fracture surfaces; tabulate coral fossils present with fine dolomite crystals. 23.7'-24.8': Moderately to highly eroded and weathered fracture/rubble zone; fracture surfaces moderately rough to rough with vugs and tabulate coral fossils. 25.7'-25.85': Moderately eroded and weathered horizontal fracture zone (2) with rough, vuggy fracture surfaces. 26.8': Mechanical horizontal fracture. 26.85': Slightly eroded horizontal fracture with smooth surfaces. 27.4': Slightly eroded horizontal fracture with undulating fracture surfaces. 28.5': Mechanical horizontal fracture.		554
												552
30												550
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer								Comments: Rock socket: 18.6 ft bgs Began to lose water at ~21.85 ft bgs; ~175 gallons of water lost to formation during rock coring.				
PAGE 2 of 2												

Contractor: ATL Driller: M. Matthies Oversight: R. Inclima Rig Type: CME 550X Auger Diameter: 6.25 OD Hollow-Stem Core Type: HQ Triple Core Barrel Core Inner Diameter: 2.5 inches Core Outer Diameter: 3.77 inches		PARSONS MONITORING WELL CONSTRUCTION DIAGRAM PROJECT NAME: Time 1-Hour Cleaners Site PROJECT Location: Niagara Falls, NY Dates Drilled: 11/15/2023 (Hand Cleared, Overburden Drilled, Casing Installed); 11/17/2023 (Cored) Dates Installed: 11/17/2023 (Well Installed, Surface Completion)	BORING/ WELL NO. MW-12 Page 1 of 1 



COMMENTS Diagram not to scale.

 PARSONS							BOREHOLE LOG		Hole No.: MW-13		Job No.: 452276.03010	
Project: Time 1-Hour Cleaners Site							Drilling Contractor: ATL		Overburden Date Started: 11/07/2023 09:47			
Client: New York State Department of Environmental Conservation							Driller: M. Matthies		Overburden Date Finished: 11/09/2023 10:25			
							Geologist: R. Inclima		Drilling Date Started: 11/14/2023 09:13			
Location: Niagara Falls, NY							Length of Casing: 17.6 ft		Drilling Date Finished: 11/14/2023 10:23			
Hole Location: 1128229.206 ft N 1028855.374 ft E							Casing Size: 4 "		Total Depth: 27.5 ft		Drill Rig: CME 550	
							Core Size: 2.5" ID 3.77" OD		Ground Elev.: 577.82 ft		Inclination/Bearing: Vertical	
Depth (ft)	Formation	Run Number	Blow Counts	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))		Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)		Elevation (ft AMSL)
0	Overburden							0'-1': Dry-to-moist, medium dense, gray-dark gray coarse to medium GRAVEL (subangular), some(+) fine Gravel (subangular), little(-) Clay and Silt, trace Historical Fill (brick, charcoal). [GW]				
								1'-1.3': Dry-to-moist, medium stiff, gray-brown CLAY and SILT, little medium to fine Gravel and Historical Fill (brick, concrete bits). [CL]		Sample ID: MW-13-1.3-1.8		576
					0	--	100	HC	1.3'-4': Moist, medium stiff, gray-slight brown CLAY, little Silt and Organic Material (roots). [CL]			
	Overburden							4'-5': Moist, medium stiff, brown CLAY, trace Silt. [CL]				574
								5'-6': Moist, medium stiff, brown CLAY, trace(-) Silt; varved. [CL]				572
			1	1/3 6/8	0	--	50	SS				
	Overburden							7'-9': Moist, stiff, brown CLAY, trace(-) Silt and medium Gravel (subrounded). [CL]				570
								9'-11': Moist-to-wet, soft, brown CLAY, trace(-) Silt; moisture content increases towards 9.5 ft. [CL]		Sample ID: MW-13-8.0-10.0		
			2	10/8 10/10	0	--	100	SS				
	Overburden							11'-12.8': Wet, soft, brown CLAY, trace(-) Silt. [CL]		Sample ID: MW-13-11.0-13.0		568
								12.8'-13': Wet, soft, brown CLAY, some Silt, trace(-) fine Gravel (subangular). [CL]				566
			3	2/2 3/2	0	--	100	SS	13'-13.9': Moist, medium stiff, brown SILT, little(-) Clay, trace(+) medium to fine Gravel (subangular). [ML]		Sample ID: MW-13-13.0-15.3	
	Overburden											564
			4	2/1 1/1	0.2	--	100	SS				
	Overburden											
			5	1/3 4/14	0	--	45	SS				
15												
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer							Comments: Rock socket: 17.6 ft bgs Began to lose water at ~19.4 ft bgs; ~175 gallons of water lost to formation during rock coring.					
PAGE 1 of 2												



BOREHOLE LOG

Hole No.: MW-13

Job No.: 452276.03010

Project: Time 1-Hour Cleaners Site

Drilling Contractor: ATL

Overburden Date Started: 11/07/2023 09:47

Client: New York State Department of
Environmental Conservation

Driller: M. Matthies

Overburden Date Finished: 11/09/2023 10:25

Location: Niagara Falls, NY

Geologist: R. Inclima

Drilling Date Started: 11/14/2023 09:13

Hole Location: 1128229.206 ft N
1028855.374 ft E

Length of Casing: 17.6 ft

Drilling Date Finished: 11/14/2023 10:23

Casing Size: 4 "

Total Depth: 27.5 ft

Drill Rig: CME 550

Core Size: 2.5" ID || 3.77" OD

Ground Elev.: 577.82 ft

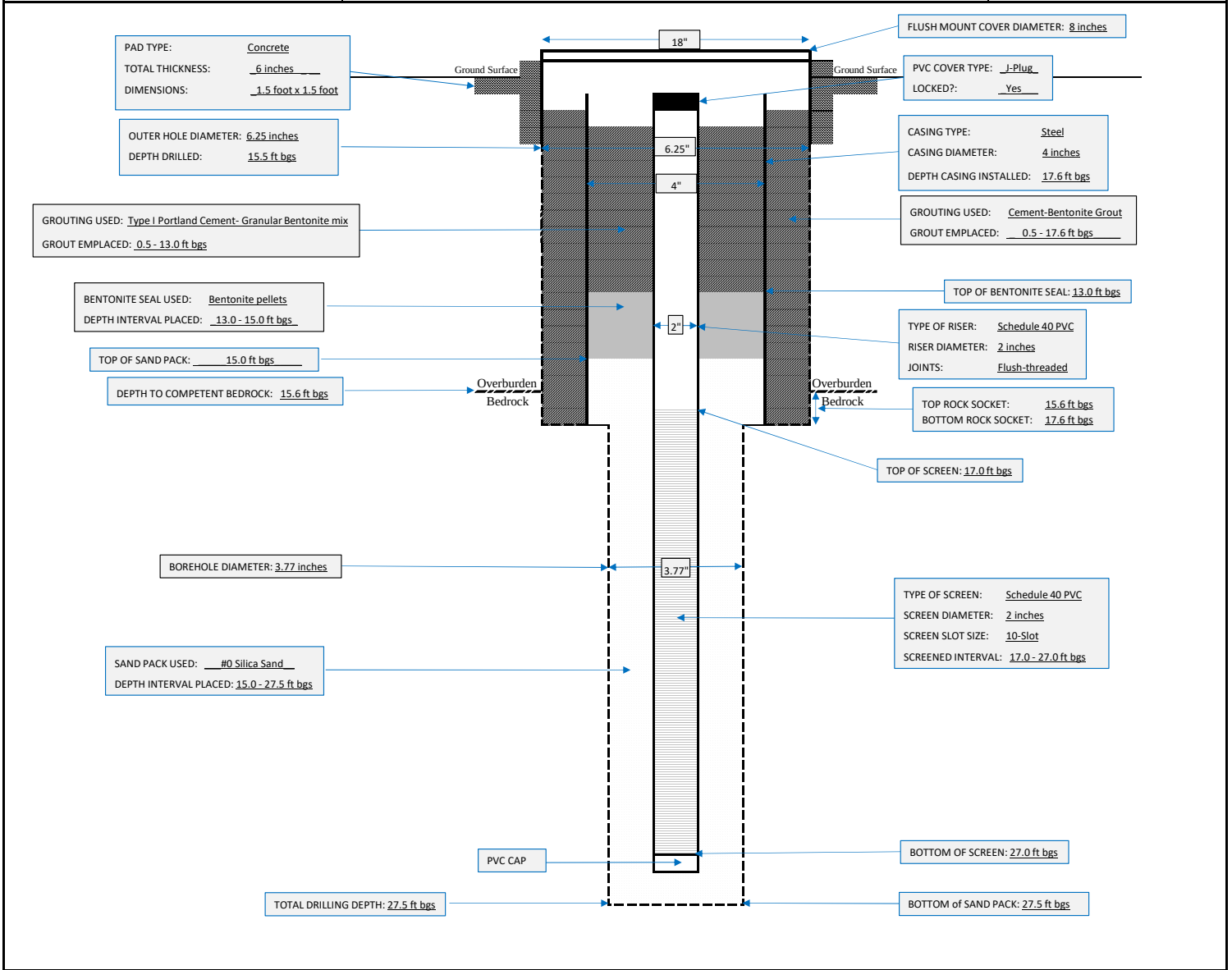
Inclination/Bearing: Vertical

Depth (ft)	Formation	Run Number	Pen. Rate (min/ft)	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))	Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)	Elevation (ft AMSL)
15	Overburden	6	8 50/4	0	-	25	SS	<u>15'-15.3'</u> : Moist, medium stiff, brown SILT, little(-) Clay, trace(+) medium to fine Gravel (subangular). [ML] -At 15.3': Split Spoon refusal at 15.3 ft bgs. Auger refusal at 15.5 ft bgs. Top of competent rock at 15.6 ft bgs.		562
										560
	Lockport Group	1		0	94	106	RC	<u>17.8'-23.1'</u> : Gray, DOLOMITIC WACKESTONE, fine grained, thickly bedded, hard, slight-to-moderately fractured; evidence of increased secondary porosity due to dissolution throughout core run. -At 18.35': Tabulate coral fossil. <u>20'-23.1'</u> : Interval with moderate increased presence of tabulate coral fossils and vugs, and increased secondary porosity. -At 20.4': Large vug with dolomite crystal; vug encrusted with black oxidation and pyrite flakes. -At 21.3': Cluster of vugs with small dolomite and fluorite crystals with some pyrite flakes and black oxidation. -At 21.4': Stylolite. -At 21.5': Small vug filled with fine dolomite and fluorite crystals, and one small red-orange sphalerite crystal. <u>21.6'-23.1'</u> : Interval with significant increased presence of tabulate coral fossils. -At 22': Stylolite. <u>23.1'-27.5'</u> : Gray, DOLOMITIC WACKESTONE, fine grained, thickly bedded, hard, slight-to-moderately-to-intensely fractured; sporadic areas of increased secondary porosity due to dissolution, such as small vugs, and coral fossils throughout core run. <u>23.1'-25.9'</u> : Interval consists of sporadic tabulate coral fossils and small vugs encrusted with very fine dolomite and fluorite crystals, and trace pyrite flakes. -At 23.55': Stylolite. -At 24.3': Stylolite. -At 25.2': Large vug with apparent increased secondary porosity due to dissolution. -At 25.5': Stylolite. -At 26.65': Stylolite. <u>27.1'-27.3'</u> : Very large and irregularly shaped vug.	18.6': Slightly eroded and weathered horizontal fracture with slightly smoothed fracture surfaces. 18.8': Slightly eroded and weathered horizontal fracture with smooth, undulating fracture surfaces. 19.4'-19.6': Highly eroded and weathered horizontal fracture zone with cone-shaped upper fracture surface. 20.45': Moderately weathered horizontal fracture with uneven, rough, vuggy fracture surfaces. 21.1': Moderately eroded and weathered horizontal fracture with rounded upper fracture surface. 21.65': Moderately eroded and weathered horizontal fracture with uneven fracture surfaces. 23.2': Highly eroded and weathered horizontal fracture with rough fracture surfaces; tabulate coral fossil within fracture surfaces. 24.2': Moderately eroded and weathered horizontal fracture; tabulate coral fossil within fracture surface. 24.55': Moderately eroded and weathered horizontal fracture with smooth, undulating fracture surfaces. 24.75': Slightly eroded horizontal fracture with smooth fracture surfaces. 25.2': Highly weathered rubble zone; rock fragments display strong evidence of dissolution. 26': Moderately eroded and weathered horizontal fracture zone (3); abundance of tabulate coral fossils. 26.4': Slightly eroded and weathered horizontal fracture; tabulate coral fossil within fracture surface. 27.1': Moderately weathered horizontal fracture with rough, vuggy fracture surfaces. 27.45': Slightly eroded horizontal fracture with uneven, irregular fracture surfaces.	558
20										556
	Lockport Group	2		0	80	88	RC			554
25										552
										550
30										548

Sample Legend
HC = Hand Cleared RC = Rock Core
SS = Split Spoon AH = Air Hammer

Comments:
Rock socket: 17.6 ft bgs
Began to lose water at ~19.4 ft bgs; ~175 gallons of water lost to formation during rock coring.

Contractor: ATL Driller: M. Matthies Oversight: R. Inclima Rig Type: CME 550X Auger Diameter: 6.25 OD Hollow-Stem Core Type: HQ Triple Core Barrel Core Inner Diameter: 2.5 inches Core Outer Diameter: 3.77 inches	PARSONS MONITORING WELL CONSTRUCTION DIAGRAM PROJECT NAME: Time 1-Hour Cleaners Site PROJECT Location: Niagara Falls, NY Dates Drilled: 11/7/2023 (Hand Cleared); 11/9/2023 (Casing Installed); 11/14/2023 (Cored) Dates Installed: 11/14/2023 (Well Installed, Surface Completion)	BORING/ Page 1 of 1 WELL NO. MW-13 

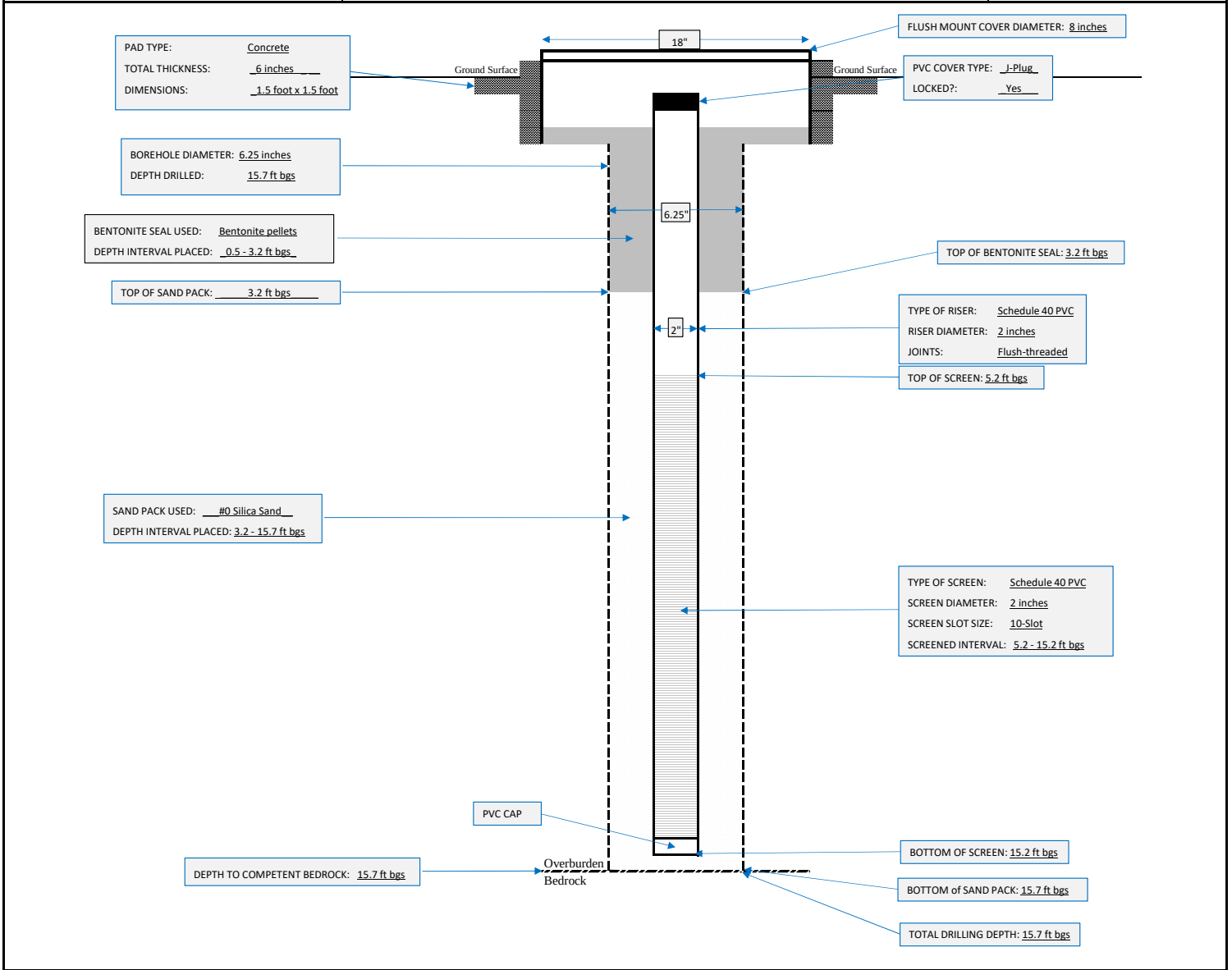


COMMENTS	Diagram not to scale.

							BOREHOLE LOG			Hole No.: PZ-01		Job No.: 452276.03010			
Project: Time 1-Hour Cleaners Site							Drilling Contractor: ATL			Overburden Date Started: 11/02/2023 14:17					
Client: New York State Department of Environmental Conservation							Driller: M. Matthies			Overburden Date Finished: 11/03/2023 09:25					
							Geologist: R. Inclima			Drilling Date Started:					
Location: Niagara Falls, NY							Length of Casing: ft			Drilling Date Finished:					
Hole Location: 1128194.902 ft N 1028786.301 ft E							Casing Size: "			Total Depth: 15.7 ft		Drill Rig: CME 550			
							Core Size: 6.25			Ground Elev.: 578.15 ft		Inclination/Bearing: Vertical			
Depth (ft)	Formation	Run Number	Blow Counts	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))				Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)		Elevation (ft AMSL)	
0	Overburden			0.1	--	100	HC	0'-0.3': Black ASPHALT slab. 0.3'-1': Moist, loose, gray medium to coarse GRAVEL, little(-) Historical Fill (brick bits); geotextile fabric under gravel. [GW] 1'-1.5': Moist, medium dense, red-dark gray SILT and CLAY, some(-) Historical Fill (brick, glass). [ML] 1.5'-5': Moist, medium dense, light brown-mottled orange CLAY, little Silt, trace Organic Material (roots). [CL]				Sample ID: PZ-01-1.5-2.0		578	
														576	
														574	
5		Overburden	1	1/3 4/7	5.1	--	50	SS	5'-6': Moist, stiff, brown CLAY, little Silt, trace fine Gravel (subrounded). [CH]						572
		Overburden	2	5/8 7/8	8.1	--	90	SS	7'-9': Moist-to-wet, medium stiff, brown CLAY, trace Silt and fine Gravel (subrounded). [CL]				Sample ID: PZ-01-8.0-10.0		570
10		Overburden	3	3/5 4/5	14.9	--	50	SS	9'-9.5': Moist-to-wet, medium stiff, brown CLAY, little Silt and fine Gravel (subrounded). [CL] 9.5'-10': Wet, soft, brown SILT, some Clay, little(-) medium to fine Gravel (angular). [ML]						568
	Overburden	4	8/5 6/6	24.6	--	25	SS	11'-11.5': Wet, medium stiff, brown SILT, little Clay and medium to fine Gravel (subrounded). [ML]				Sample ID: PZ-01-11.0-13.0		566	
	Overburden	5	1/5 8/15	9.3	--	40	SS	13'-13.8': Moist, medium stiff, brown SILT, little medium to fine Gravel (subrounded-subangular), trace Clay. [ML]				Sample ID: PZ-01-13.0-15.0		564	
15	Overburden	6	4/9 50/4	9	--	40	SS	15'-15.7': Moist, medium stiff, brown SILT, little(+) medium to fine Gravel (subrounded-subangular), trace Clay. [ML] -At 15.7': Auger refusal at 15.7 ft bgs.						562	
														560	
20															
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer								Comments:							

PAGE 1 of 1

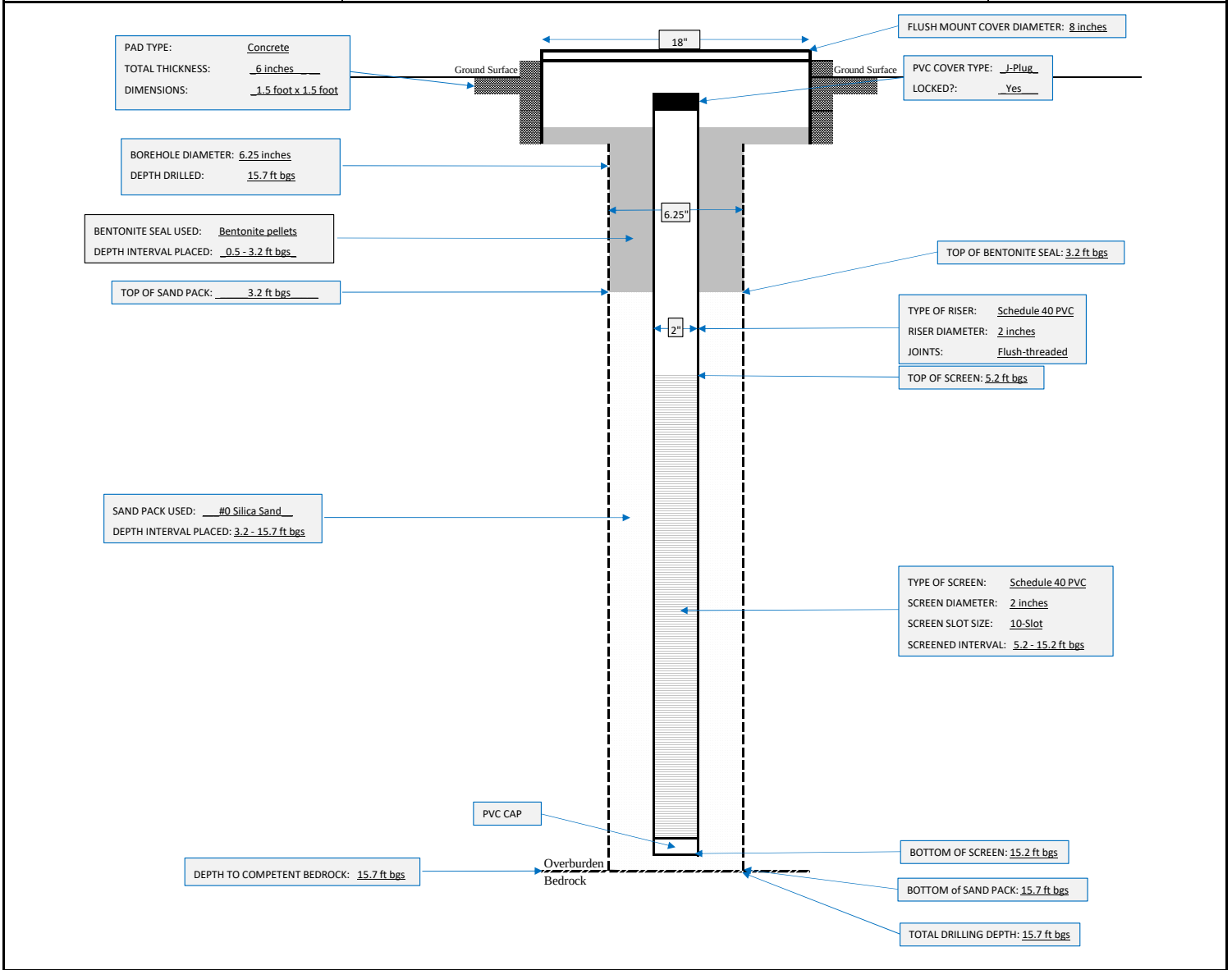
Contractor: ATL		PARSONS		BORING/ Page 1 of 1	
Driller: M. Matthies		MONITORING WELL CONSTRUCTION DIAGRAM		WELL NO. PZ-01	
Oversight: R. Inclima		PROJECT NAME: Time 1-Hour Cleaners Site			
Rig Type: CME 550X		PROJECT Location: Niagara Falls, NY			
Auger Diameter: 6.25 OD Hollow-Stem		Dates Drilled: 11/2/2023 - 14:17 11/3/2023 - 09:25			
Core Type: N/A		Date Installed: 11/3/2023			
Core Inner Diameter: N/A					
Core Outer Diameter: N/A					



COMMENTS	Diagram not to scale.

							BOREHOLE LOG		Hole No.: PZ-02		Job No.: 452276.03010	
Project: Time 1-Hour Cleaners Site							Drilling Contractor: ATL		Overburden Date Started: 11/10/2023 14:01			
Client: New York State Department of Environmental Conservation							Driller: M. Matthies		Overburden Date Finished: 11/13/2023 09:30			
							Geologist: R. Inclima		Drilling Date Started:			
Location: Niagara Falls, NY							Length of Casing: ft		Drilling Date Finished:			
Hole Location: 1128149.27 ft N 1028779.168 ft E							Casing Size: "		Total Depth: 15.7 ft		Drill Rig: CME 550	
							Core Size: 6.25		Ground Elev.: 578.54 ft		Inclination/Bearing: Vertical	
Depth (ft)	Formation	Run Number	Blow Counts	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))		Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)		Elevation (ft AMSL)
0	Overburden			0	--	100	HC	0'-1': Moist, soft, dark brown SILT, some Clay, little Historical Fill (glass, brick, concrete and metal bits) and Organic Material (roots), trace medium to fine Gravel (subrounded). [ML] 1'-1.7': Moist-to-wet, gray-brown CLAY, some Silt and coarse to medium Gravel (subangular), little(+) fine Gravel (angular) and Historical Fill (brick block, concrete block). [CL] 1.7'-5': Moist, medium stiff, brown CLAY, trace(-) Silt. [CL]		Sample ID: PZ-02-1.7-2.2		578
												576
												574
5	Overburden	1	1/4 6/10	0	--	80	SS	5'-6.7': Moist-to-wet, medium stiff, brown CLAY, trace Silt. [CL]				572
	Overburden	2	8/11 10/10	0	--	100	SS	7'-9': Moist, medium stiff, brown CLAY, trace Silt. [CL]		Sample ID: PZ-02-8.0-10.0		570
10	Overburden	3	1/4 1/2	0	--	100	SS	9'-11': Moist-to-wet, soft, brown CLAY, trace Silt. [CL]				568
	Overburden	4	1/2 2/4	0	--	100	SS	11'-13': Wet, soft, brown CLAY, trace Silt. [CL]		Sample ID: PZ-02-11.0-13.0		566
	Overburden	5	1/2 7/13	0	--	40	SS	13'-13.9': Moist, medium stiff, brown SILT, little Clay and medium to fine Gravel (angular). [ML]		Sample ID: PZ-02-13.0-15.0		564
15	Overburden	6	7/9 50/4	0	--	25	SS	15'-15.5': Moist, medium stiff, brown SILT, little Clay and medium to fine Gravel (angular). [ML] -At 15.7': Split Spoon refusal at 15.5 ft bgs. Auger refusal at 15.7 ft bgs.				562
												560
20												
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer								Comments:				
PAGE 1 of 1												

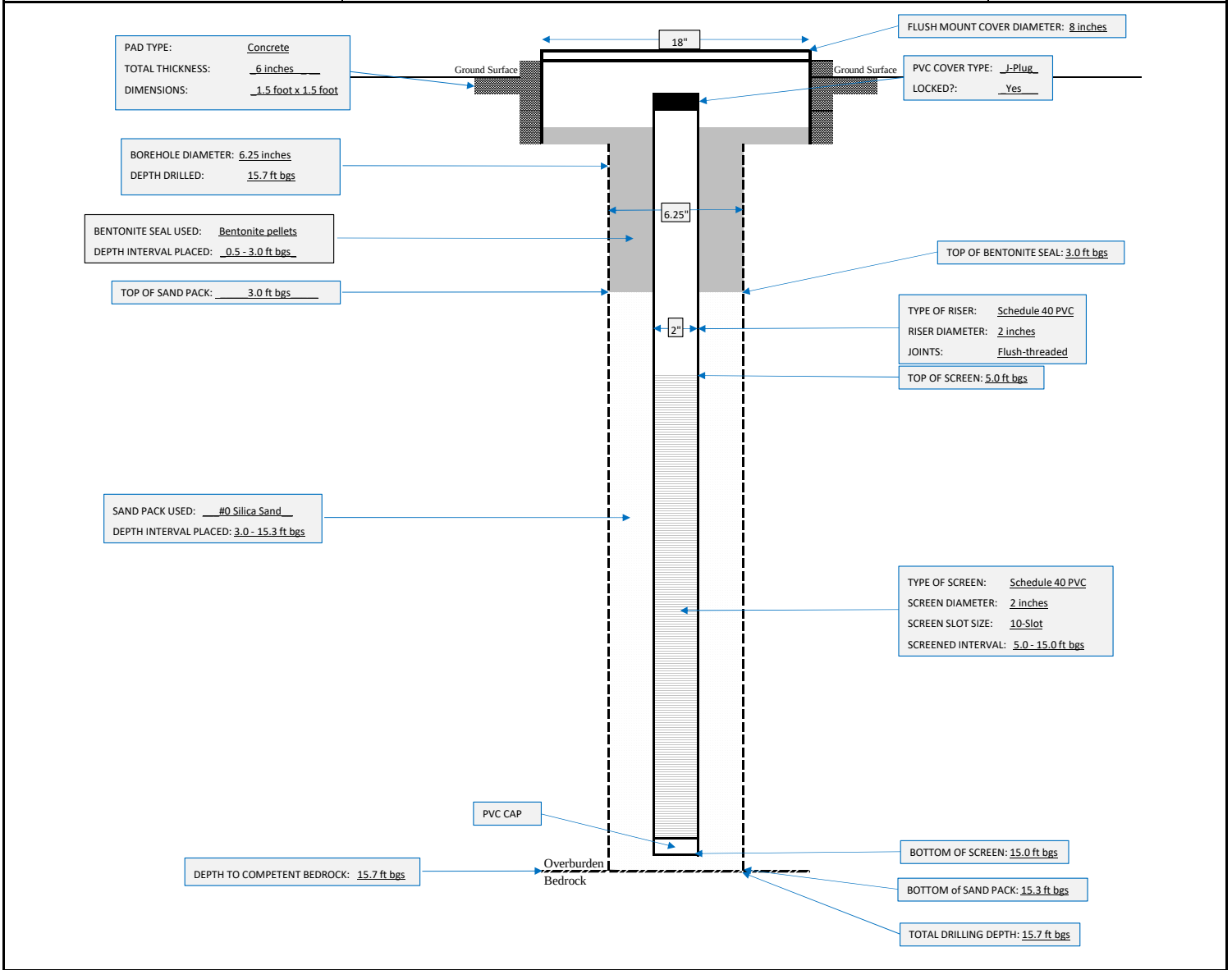
PARSONS		BORING/ Page 1 of 1
MONITORING WELL CONSTRUCTION DIAGRAM		WELL NO. PZ-02
Contractor: ATL		
Driller: M. Matthies		
Oversight: R. Inclima		
Rig Type: CME 550X		
Auger Diameter: 6.25 OD Hollow-Stem		
Core Type: N/A		
Core Inner Diameter: N/A		
Core Outer Diameter: N/A		
PROJECT NAME: Time 1-Hour Cleaners Site		
PROJECT Location: Niagara Falls, NY		
Dates Drilled: 11/10/2023 - 14:01 11/13/2023 - 09:30		
Date Installed: 11/13/2023		



COMMENTS	Diagram not to scale.

 PARSONS							BOREHOLE LOG			Hole No.: PZ-03		Job No.: 452276.03010					
Project: Time 1-Hour Cleaners Site							Drilling Contractor: ATL			Overburden Date Started: 11/16/2023 08:17							
Client: New York State Department of Environmental Conservation							Driller: M. Matthies			Overburden Date Finished: 11/16/2023 09:50							
							Geologist: R. Inclima			Drilling Date Started:							
Location: Niagara Falls, NY							Length of Casing: ft			Drilling Date Finished:							
Hole Location: 1128104.284 ft N 1028849.63 ft E							Casing Size: "			Total Depth: 15.3 ft		Drill Rig: CME 550					
							Core Size: 6.25			Ground Elev.: 578.66 ft		Inclination/Bearing: Vertical					
Depth (ft)	Formation	Run Number	Blow Counts	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))				Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)				Elevation (ft AMSL)	
0	Overburden							<u>0'-0.2'</u> : Dry, hard, black ASPHALT slab. <u>0.2'-1'</u> : Moist, dense, brown-black medium SAND and medium GRAVEL, little coarse Gravel and Historical Fill (brick, glass, concrete). [SP] <u>1'-1.5'</u> : Moist, dense, black coarse SAND and fine GRAVEL, little medium Gravel (subangular), trace coarse Gravel and Cobbles (subangular). [SP] <u>1.5'-2.5'</u> : Moist, stiff, black-gray CLAY and fine SAND, little medium to fine Gravel and Cobbles (subangular). [CL] <u>2.5'-6'</u> : Moist, stiff, black-brown CLAY, little(-) Silt, trace fine Gravel; black staining. [CL]				Sample ID: PZ-03-2.5-3.0				578	
				0.4	--	100	HC									576	
																	574
																	572
																	570
5	Overburden	1	4/4 4/6	0.8	--	100	SS	<u>8'-10'</u> : Moist, medium stiff, brown CLAY, trace Silt; black staining 8-9 ft; 0.8 ppm on PID at 9.5 ft. [CL]				Sample ID: PZ-03-8.0-10.0				570	
10	Overburden	2	2/2 3/2	0.9	--	50	SS	<u>10'-11'</u> : Moist-to-wet, soft, gray-brown CLAY, trace Silt. [CL]				Sample ID: PZ-03-10.0-11.0				568	
	Overburden	3	2/2 3/3	1	--	100	SS	<u>12'-14'</u> : Wet, soft, gray-brown CLAY, trace Silt. [CL]				Sample ID: PZ-03-12.5-14.5				566	
15	Overburden	4	4/11 8/50/4	0.2	--	35	SS	<u>14'-14.8'</u> : Moist, medium stiff, gray-brown SILT, some Clay and medium to fine Gravel (angular). [ML]								564	
								-At 15.7': Auger refusal at 15.7 ft bgs. Borehole caved in at 15.3 ft bgs.								562	
20																560	
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer								Comments:									
												PAGE 1 of 1					

Contractor: ATL Driller: M. Matthies Oversight: R. Inclima Rig Type: CME 550X Auger Diameter: 6.25 OD Hollow-Stem Core Type: N/A Core Inner Diameter: N/A Core Outer Diameter: N/A		PARSONS MONITORING WELL CONSTRUCTION DIAGRAM PROJECT NAME: Time 1-Hour Cleaners Site PROJECT Location: Niagara Falls, NY Dates Drilled: 11/16/2023 - 08:17 11/16/2023 - 09:50 Date Installed: 11/16/2023		BORING/ WELL NO. PZ-03 Page 1 of 1 



COMMENTS	Diagram not to scale. Drilled to 15.7 ft bgs; borehole caved in making borehole depth 15.3 ft bgs.

							BOREHOLE LOG		Hole No.: SB-13		Job No.: 452276.03010	
Project: Time 1-Hour Cleaners Site							Drilling Contractor: ATL		Overburden Date Started: 11/07/2023 08:00			
Client: New York State Department of Environmental Conservation							Driller: M. Matthies		Overburden Date Finished: 11/07/2023 13:45			
							Geologist: R. Inclima		Drilling Date Started:			
Location: Niagara Falls, NY							Length of Casing: ft		Drilling Date Finished:			
Hole Location: ft N ft E							Casing Size: "		Total Depth: 15.6 ft		Drill Rig: CME 550	
							Core Size: 6.25		Ground Elev.: 578.00 ft		Inclination/Bearing: Vertical	
Depth (ft)	Formation	Run Number	Blow Counts	PID (ppm)	RQD	RECOVERY %	Sample	Lithologic Description (Color, ROCK TYPE, Minerals, Grain Size, Bedding/Texture, Weathering, Hardness, Fracture Density, Contamination (odors/staining))	Discontinuity Description (Include in Order: Depth, Type, Dip Angle, Aperture, Healing, Infilling, Unevenness, Moisture)	Elevation (ft AMSL)		
0	Overburden			0	--	100	HC	<u>0'-0.5'</u> : Dry-to-moist, medium dense, gray-dark gray coarse to medium GRAVEL (subangular), some fine Gravel, little Clay and Silt. [GW] <u>0.5'-1'</u> : Dry-to-moist, medium stiff, gray-brown CLAY and SILT, some Historical Fill (charcoal, brick, concrete). [CL] <u>1'-5'</u> : Moist, medium stiff, mottled orange-brown CLAY, little Silt, trace(-) fine Gravel. [CL]	Sample ID: SB-13-1.0-1.5 (MS/MSD & DUP)	576		
										574		
5	Overburden	1	7/6 8/7	0	--	75	SS	<u>5'-6.5'</u> : Moist, medium stiff, brown CLAY, trace fine Sand and Silt; varved; fine Sand pockets at 5.6 ft and 6.2 ft. [CL]		572		
	Overburden	2	7/6 8/7	0.2	--	75	SS	<u>7'-8.5'</u> : Moist-to-wet, medium stiff, brown CLAY, trace Silt; varved. [CL]	Sample ID: SB-13-8.0-10.0	570		
10	Overburden	3	2/2 2/2	0.1	--	75	SS	<u>9'-10.5'</u> : Moist-to-wet, soft, brown CLAY, trace Silt; varved. [CL]		568		
	Overburden	4	1/3 8/13	0	--	100	SS	<u>11'-12.6'</u> : Wet, soft, brown CLAY, little Silt. [CL]	Sample ID: SB-13-11.0-12.6	566		
	Overburden	5	3/4 28/18	0	--	50	SS	<u>12.6'-13'</u> : Wet, medium stiff, brown SILT, little Clay and (-)fine Gravel (subrounded). [ML] <u>13'-13.5'</u> : Moist, medium stiff, brown SILT, little Clay and (-)fine Gravel, trace(-) medium Gravel (subangular). [ML] <u>13.5'-14'</u> : Dry, dense, gray coarse GRAVEL, little Silt and fine Sand. [GW]	Sample ID: SB-13-12.6-13.5	564		
15	Overburden	6	6/8 16/50/0	0	--	0	SS	-At 15.6': No Recovery. Split Soon and Auger refusal at 15.6 ft bgs.		562		
										560		
20												
Sample Legend HC = Hand Cleared RC = Rock Core SS = Split Spoon AH = Air Hammer								Comments: Borehole was backfilled to surface with bentonite/grout mixture once top of rock was encountered. Survey: Grade elevation is approximate based on nearby locations.				
PAGE 1 of 1												

APPENDIX E - WELL DEVELOPMENT AND GROUNDWATER SAMPLING LOGS

WELL DEVELOPMENT LOG					
Date	11/27/2023	Field Personnel	R. Inclima	Weather	40°F; partly cloudy
Site Name	Time 1-Hour Cleaners	Contractor/Driller	ATL/M. Matthies	Well #	PZ-01
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	11/3/2023

Well information:			
Depth to bottom (initial)	<u>15.04</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>15.04</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>6.35</u> ft.	Casing volume:	<u>0.163</u> gal.
Depth to water (final)	<u>DRY</u> ft.	Pump setting intake:	<u>~14</u> ft.

Start development time:	<u>1037</u>
End development time:	<u>1139</u>
Total time:	62 min.

[illegible]

Development water characteristics:			
Total volume of water removed:		~6 gallons	
Physical appearance at start:		Physical appearance at stop:	
Color	<u>cloudy/gray-brown</u>	Color	<u>cloudy/gray</u>
Odor	<u>none</u>	Odor	<u>none</u>
Sheen/Free Product	<u>none</u>	Sheen/Free Product	<u>none</u>

Notes	water column = 8.69'; 1 well volume = 1.4 gal; 10 well volumes = 14.2 gal

1139 - well pumped dry

Page 1 of 1

WELL DEVELOPMENT LOG					
Date	11/27/2023	Field Personnel	R. Inclima	Weather	39°F; cloudy
Site Name	Time 1-Hour Cleaners	Contractor/Driller	ATL/M. Matthes	Well #	PZ-02
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	11/13/2023

Depth to bottom (initial)	<u>14.95</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>14.95</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>7.69</u> ft.	Casing volume:	<u>0.163</u> gal.
Depth to water (final)	<u>DRY</u> ft.	Pump setting intake:	<u>~13.5</u> ft.

[illegible]

Total volume of water removed:		<u>~3.4 gallons</u>	
Physical appearance at start:		Physical appearance at stop:	
Color	<u>cloudy</u>	Color	<u>cloudy/brown</u>
Odor	<u>none</u>	Odor	<u>none</u>
Sheen/Free Product	<u>none</u>	Sheen/Free Product	<u>none</u>

1014 - well pumped dry
Page 1 of 1

WELL DEVELOPMENT LOG					
Date	11/27/2023	Field Personnel	R. Inclima	Weather	37°F; windy
Site Name	Time 1-Hour Cleaners	Contractor/Driller	ATL/M. Matthies	Well #	PZ-03
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	11/16/2023

Well information:			
Depth to bottom (initial)	<u>15.00</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>15.00</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>11.75</u> ft.	Casing volume:	<u>0.163</u> gal.
Depth to water (final)	<u>DRY</u> ft.	Pump setting intake:	<u>~14</u> ft.

Start development time:	<u>1154</u>
End development time:	<u>1218</u>
Total time:	24 min.

[illegible]

Development water characteristics:			
Total volume of water removed:		~1 gallon	
Physical appearance at start:		Physical appearance at stop:	
Color	<u>cloudy/gray-brown</u>	Color	<u>cloudy/gray-brown</u>
Odor	<u>none</u>	Odor	<u>none</u>
Sheen/Free Product	<u>slight</u>	Sheen/Free Product	<u>none</u>

Notes	water column = 3.25'; 1 well volume = 0.5 gal; 10 well volumes = 5.3 gal

1218 - well pumped dry

Page 1 of 1

WELL DEVELOPMENT LOG					
Date	11/28-29/2023	Field Personnel	R. Inclima	Weather	24°F; snow
Site Name	Time 1-Hour Cleaners	Contractor/Driller	ATL/M. Matthies	Well #	MW-10
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	11/10/2023

Depth to bottom (initial)	27.54 ft.	Measurements taken from:	TOIC
Depth to bottom (final)	27.54 ft.	Well Diameter:	2 in.
Depth to water (initial)	17.92 ft.	Casing volume:	0.163 gal.
Depth to water (final)	18.05 ft.	Pump setting intake:	~26.5 ft.

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
11/28/2023								
1510	8.0	12.52	7.26	2.64	935	0.8	18.04	brown
1520	16.0	12.49	7.16	2.60	459	0.8	18.05	cloudy brown
1535	28.0	12.93	7.10	2.64	217	0.8	18.05	cloudy
1550	40.0	13.15	7.09	2.63	176	0.8	18.05	slightly cloudy
1600	48.0	13.28	7.07	2.63	127	0.8	18.05	slightly cloudy

Total volume of water removed:		<u>~229 gallons</u>	
Physical appearance at start:		Physical appearance at stop:	
Color	<u>brown</u>	Color	<u>clear</u>
Odor	<u>slight petro.</u>	Odor	<u>slight petro.</u>
Sheen/Free Product	<u>none</u>	Sheen/Free Product	<u>none</u>

WELL DEVELOPMENT LOG					
Date	11/29/2023	Field Personnel	R. Inclima	Weather	26°F; snow
Site Name	Time 1-Hour Cleaners	Contractor/Driller	ATL/M. Matthies	Well #	MW-11
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	11/7/2023

Depth to bottom (initial)	<u>26.20</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>26.20</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.91</u> ft.	Casing volume:	<u>0.163</u> gal.
Depth to water (final)	<u>18.10</u> ft.	Pump setting intake:	<u>~25</u> ft.

Start development time:	<u>1150</u>
End development time:	<u>1620</u>
Total time:	270 min. (4.5 hrs.)

Total volume of water removed:	<u>~216 gallons</u>	
Physical appearance at start:		Physical appearance at stop:
Color <u>brown</u>		Color <u>slightly cloudy</u>
Odor <u>slight petro.</u>		Odor <u>slight petro.</u>
Sheen/Free Product <u>none</u>		Sheen/Free Product <u>none</u>

Must purge ~200 gallons of water from rock coring + 10 well volumes (~213.5 gal) OR <50 NTU.
Page 1 of 1

WELL DEVELOPMENT LOG					
Date	11/27-28/2023	Field Personnel	R. Inclima	Weather	39°F; windy
Site Name	Time 1-Hour Cleaners	Contractor/Driller	ATL/M. Matthies	Well #	MW-12
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	11/17/2023

Depth to bottom (initial)	<u>27.63</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>27.64</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.76</u> ft.	Casing volume:	<u>0.163</u> gal.
Depth to water (final)	<u>17.90</u> ft.	Pump setting intake:	<u>~26.5</u> ft.

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

Total volume of water removed:		<u>~180 gallons</u>	
Physical appearance at start:		Physical appearance at stop:	
Color	<u>cloudy/gray-brown</u>	Color	<u>clear</u>
Odor	<u>none</u>	Odor	<u>none</u>
Sheen/Free Product	<u>none</u>	Sheen/Free Product	<u>none</u>

[illegible]

WELL DEVELOPMENT LOG					
Date	11/28/2023	Field Personnel	R. Inclima	Weather	24°F; windy, sun
Site Name	Time 1-Hour Cleaners	Contractor/Driller	ATL/M. Matthies	Well #	MW-13
Site Location	Niagara Falls, NY	Evacuation Method	Waterra	Date Installed:	11/14/2023

Well information:			
Depth to bottom (initial)	<u>26.76</u> ft.	Measurements taken from:	<u>TOIC</u>
Depth to bottom (final)	<u>26.79</u> ft.	Well Diameter:	<u>2</u> in.
Depth to water (initial)	<u>17.05</u> ft.	Casing volume:	<u>0.163</u> gal.
Depth to water (final)	<u>17.23</u> ft.	Pump setting intake:	<u>~25</u> ft.

Start development time:	<u>1110</u>
End development time:	<u>1445</u>
Total time:	215 min. (3.6 hrs.)

[illegible]

Development water characteristics:			
Total volume of water removed:		~182.5 gallons	
Physical appearance at start:		Physical appearance at stop:	
Color	<u>brown</u>	Color	<u>clear</u>
Odor	<u>slight organic/petro.</u>	Odor	<u>slight petro.</u>
Sheen/Free Product	<u>slight</u>	Sheen/Free Product	<u>none</u>

Notes	water column = 9.71'; 1 well volume = 1.58 gal; 10 well volumes = 15.8 gal

Must purge ~175 gallons of water from rock coring + 10 well volumes (~191 gal) OR <50 NTU.

\\NYSYR04FS01\Projects\NYSDEC Program\452276 - WA #12 -Time 1-Hour Cleaners RIFSIRM\9.0 Reports\Phase II RI Report\Rev_0\3. Appendices\App B Devo and GWS\App B.2 - Time1Hour_GWS_042024.xlsx

[illegible]

[illegible]

Low Flow Ground Water Sampling Log

Date	04/24/24	Personnel	M. Hambrick, L. Manzella	Weather	50's, Cloudy
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	PVE-01
Site Location	Niagara Falls, NY	Sampling Method	Grab	Project #	452276

Well information:

Depth of Well 5.06 ft.

Depth to Water	0.98 ft.

H _{wc}	4.08 ft.

Depth to Intake	2.5 ft.

*Measurements taken from:

X Top of Well Casing

☐ Top of Protective Casing

(Other, Specify)

Start Purge Time:

[illegible]

End Purge Time:

Water Sample

Time Collected: 12:45

Total volume of purged water removed: 0.1 (gallons)

Physical appearance at start:

Physical appearance at start:

Color	clear

Color clear

Odor	none

Odor	none

Sheen/Free Product	none

Sheen/Free Product	none

Samples:	(See list of parameters collected below) MS/MSD/Field Dup?

HACH TEST KITS

Parameter:	Result
SO ₄ ²⁻	16 mg/L
Fe ²⁺	0.8 mg/L
Cl ⁻	1000 mg/L
CO ₂	15 mg/L
NO ₃ ⁻	0.66 mg/L
Alkalinity	10 mg/L

[illegible]

Low Flow Ground Water Sampling Log

Date	04/24/24	Personnel	M. Hambrick, L. Manzella	Weather	50's, Cloudy
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-13
Site Location	Niagara Falls, NY	Sampling Method	Low-Flow	Project #	452276

Well information:	*Measurements taken from:

Depth of Well	26.77 ft.	<table border="1"> <tr> <td>X</td> <td>Top of Well Casing</td> </tr> <tr> <td></td> <td>Top of Protective Casing</td> </tr> <tr> <td></td> <td>(Other, Specify)</td> </tr> </table>	X	Top of Well Casing		Top of Protective Casing		(Other, Specify)
X	Top of Well Casing							
	Top of Protective Casing							
	(Other, Specify)							
Depth to Water	16.81 ft.							
H _{wc}	9.96 ft.							
Depth to Intake	24 ft.							

Start Purge Time: 15:00

[illegible]

End Purge Time: _____

Water Sample

Time Collected:	<u>15:30</u>	Total volume of purged water removed:	<u>5</u>	(gallons)
Physical appearance at start:		Physical appearance at start:		
	Color <u>clear</u>		Color <u>clear</u>	
	Odor <u>none</u>		Odor <u>none</u>	
Sheen/Free Product	<u>none</u>	Sheen/Free Product	<u>none</u>	

Samples:	(See list of parameters collected below)	HACH TEST KITS

Samples:	(See list of parameters collected below)
	MS/MSD/Field Dup?

HACH TEST KITS	

MS/MSD/Field Dup?			Parameter:		Result
			SO ₄ ²⁻		15 mg/L
			Fe2+		1.6 mg/L
			Cl-		1500 mg/L
			CO2		15 mg/L
			NO3-		0.05 mg/L
			Alkalinity		5 mg/L
Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs SW-846 8260	Voa HCL	3		HCl	
SVOCs SW-846 8270	100mL Amber	2		unpreserved	
Pesticides SW-846 8081	100mL Amber	2		unpreserved	
Herbicides SW-846 8151	1L Amber	2		unpreserved	
PCBs SW-846 8082	100 mL Amber	2		unpreserved	
TAL Metals & Hg 6010/6020	250mL plastic HNO3	1		HNO3	
Diss. Metals & Hg 6010/6020	250mL plastic	1		unpreserved	
1,4-Dioxane SW-846 8270 SIM	1L Amber	2		unpreserved	
Total Cyanide SW-846 9012	250mL plastic	1		NaOH	
PFAS EPA 1633	500mL	2		unpreserved	
TSS	120mL	1		unpreserved	

Low Flow Ground Water Sampling Log								
Date	04/25/24	Personnel	M. Hambrick	Weather	Sunny, 40°			
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-10			
Site Location	Niagara Falls, NY	Sampling Method	Low-Flow	Project #	452276			
Well information:								
Depth of Well	27.6 ft.				*Measurements taken from: XTop of Well Casing			
Depth to Water	17.76 ft.				Top of Protective Casing (Other, Specify)			
H _{wc}	9.84 ft.							
Depth to Intake	24 ft.							
Start Purge Time: 08:44								
		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Time	Depth to Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)
8:45	17.76	1.86	6.52	3.29	92	0	0	300
8:50	17.76	9.16	7.12	2.89	-17	0	0	300
8:55	17.78	9.57	7.13	2.88	-27	0	0	300
9:00	17.76	7.23	7.16	3.08	-60	0	0	300
9:05	17.78	7.18	7.15	3.1	-81	0	0	300
9:10	17.8	7.47	7.16	3.07	-100	0	0	300
9:15	17.79	7.65	7.16	3.06	-105	0	0	300
9:20	17.78	8.04	7.16	3.04	-105	0	0	300
9:25	17.78	8.36	7.15	3.01	-105	0	0	300
End Purge Time:								
Water Sample								
Time Collected:	09:30	Total volume of purged water removed:	5(gallons)					
Physical appearance at start:			Physical appearance at start:					
	Color	clear	Color	clear				
	Odor	none	Odor	none				
	Sheen/Free Product	none	Sheen/Free Product	none				
Samples: (See list of parameters collected below) MS/MSD/Field Dup? MS/MSD				HACH TEST KITS				
				Parameter:			Result	
				SO ₄ ²⁻			80 mg/L	
				Fe ²⁺			2 mg/L	
				Cl ⁻			500 mg/L	
PINEAVE-017-01				CO ₂			22.5 mg/L	
				NO ³⁻			0.05 mg/L	
				Alkalinity			5 mg/L	
Sample		Container Type	# Collected	Field Filtered	Preservative		Container pH	
VOCS SW-846 8260		Voa HCL	9		HCL			
SVOCs SW-846 8270		100mL Amber	6		unpreserved			
Pesticides SW-846 8081		100mL Amber	6		unpreserved			
Herbicides SW-846 8151		1L Amber	6		unpreserved			
PCBs SW-846 8082		100 mL Amber	6		unpreserved			
TAL Metals & Hg 6010/6020		250mL plastic HNO3	3		HNO3			
Diss. Metals & Hg 6010/6020		250mL plastic	3		unpreserved			
1,4-Dioxane SW-846 8270 SIM		1L Amber	6		unpreserved			
Total Cyanide SW-846 9012		250mL plastic	3		NaOH			
PFAS EPA 1633		500mL	6		unpreserved			
TSS		120mL	3		unpreserved			

Low Flow Ground Water Sampling Log

Date	04/25/24	Personnel	T. Schweigel	Weather	Sunny, 40°
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-11
Site Location	Niagara Falls, NY	Sampling Method	Low-Flow	Project #	452276

Well information:

Depth of Well	26.32 ft.
Depth to Water	17.51 ft.
H_{wc}	8.81 ft.
Depth to Intake	24 ft.

*Measurements taken from:

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 09:05

		10%	0.1	3%	10 mV	10%	10%	100 - 500 mL/min
Time	Depth to Water (ft)	Temperature (celsius)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (mL/min)
9:10	17.83	12.88	6.84	2.49	-14	1.35	16.1	300
9:15	17.85	13.09	6.99	2.48	-44	0.94	9.8	300
9:20	17.86	13.13	7	2.53	-52	0.9	3.2	300
9:25	17.86	13.18	7.04	2.56	-57	0.95	0.4	300
9:30	17.86	13.25	7.07	2.57	-60	0.82	0	300
9:35	17.86	13.25	7.13	2.58	-64	0.94	0	300
9:40	17.86	13.27	7.18	2.58	-68	0.8	0	300
9:45	17.86	13.29	7.21	2.58	-70	0.86	0	300

End Purge Time: 0945

Water Sample

Time Collected: 0945 and 1015

Total volume of purged water removed: 3 (gallons)

Physical appearance at start:

Physical appearance at start:

Color	clear
Odor	none
Sheen/Free Product	none

Color	clear
Odor	none
Shcen/Free Product	none

Samples:	(See list of parameters collected below)
	MS/MSD/Field Dup?
	field duplicate

HACH TEST KITS

Parameter:	Result
SO ₄ ²⁻	80 mg/L
Fe ²⁺	1.4 mg/L
Cl ⁻	1000 mg/L
CO ₂	15 mg/L
NO ₃ ³⁻	0.05 mg/L
Alkalinity	5 mg/L

PINEAVE-017-02 (0945) and PINEAVE-017-03 (1015)

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs SW-846 8260	Voa HCL	3		HCL	
SVOCs SW-846 8270	100mL Amber	2		unpreserved	
Pesticides SW-846 8081	100mL Amber	2		unpreserved	
Herbicides SW-846 8151	1L Amber	2		unpreserved	
PCBs SW-846 8082	100 mL Amber	2		unpreserved	
TAL Metals & Hg 6010/6020	250mL plastic HNO3	1		HNO3	
Diss. Metals & Hg 6010/6020	250mL plastic	1		unpreserved	
1,4-Dioxane SW-846 8270 SIM	1L Amber	2		unpreserved	
Total Cyanide SW-846 9012	250mL plastic	1		NaOH	
PFAS EPA 1633	500mL	2		unpreserved	
TSS	120mL	1		unpreserved	

Low Flow Ground Water Sampling Log

Date	04/25/24	Personnel	M. Hambrick	Weather	50s, Sunny
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-12
Site Location	Niagara Falls, NY	Sampling Method	Low-Flow	Project #	452276

Well information:		*Measurements taken from:	
Depth of Well	27.67 ft.	X	Top of Well Casing
Depth to Water	17.7 ft.		Top of Protective Casing
H _{wc}	9.97 ft.		(Other, Specify)
Depth to Intake	24 ft.		

Start Purge Time: 1300

[illegible]

End Purge Time: 1330

Water Sample			
Time Collected:	<u>1335</u>	Total volume of purged water removed:	<u>5</u> (gallons)
Physical appearance at start:		Physical appearance at start:	
	Color <u>clear</u>		Color <u>clear</u>
	Odor <u>none</u>		Odor <u>none</u>
Sheen/Free Product	<u>none</u>	Sheen/Free Product	<u>none</u>

Samples: (See list of parameters collected below) MS/MSD/Field Dup?			HACH TEST KITS		
			Parameter:		Result
			SO ₄ ²⁻		71 mg/L
			Fe ²⁺		0.4 mg/L
			Cl ⁻		500 mg/L
			CO ₂		8.75 mg/L
PINEAVE-017-04			NO ₃ ⁻		0.05 mg/L
			Alkalinity		5 mg/L
Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs SW-846 8260	Voa HCL	3		HCl	
SVOCs SW-846 8270	100mL Amber	2		unpreserved	
Pesticides SW-846 8081	100mL Amber	2		unpreserved	
Herbicides SW-846 8151	1L Amber	2		unpreserved	
PCBs SW-846 8082	100 mL Amber	2		unpreserved	
TAL Metals & Hg 6010/6020	250mL plastic HNO3	1		HNO3	
Diss. Metals & Hg 6010/6020	250mL plastic	1		unpreserved	
1,4-Dioxane SW-846 8270 SIM	1L Amber	2		unpreserved	
Total Cyanide SW-846 9012	250mL plastic	1		NaOH	
PFAS EPA 1633	500mL	2		unpreserved	
TSS	120mL	1		unpreserved	

Low Flow Ground Water Sampling Log

Date	04/25/24	Personnel	T. Schweigel	Weather	40s, Sunny
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-08
Site Location	Niagara Falls, NY	Sampling Method	Low-Flow	Project #	452276

Well information:	*Measurements taken from:

Depth of Well	27.32 ft.	<table border="1"> <tr> <td>X</td> <td>Top of Well Casing</td> </tr> <tr> <td></td> <td>Top of Protective Casing</td> </tr> <tr> <td></td> <td>(Other, Specify)</td> </tr> </table>	X	Top of Well Casing		Top of Protective Casing		(Other, Specify)
X	Top of Well Casing							
	Top of Protective Casing							
	(Other, Specify)							
Depth to Water	17.63 ft.							
H _{wc}	9.69 ft.							
Depth to Intake	24 ft.							

Start Purge Time: 1358

[illegible]

End Purge Time: 1445

Water Sample

Time Collected:	<u>1450</u>	Total volume of purged water removed:	<u>4</u>	(gallons)
Physical appearance at start:		Physical appearance at start:		
	Color <u>clear</u>		Color <u>clear</u>	
	Odor <u>none</u>		Odor <u>none</u>	
Sheen/Free Product	<u>none</u>	Sheen/Free Product	<u>none</u>	

Samples:	(See list of parameters collected below)	HACH TEST KITS

Samples:	(See list of parameters collected below)
	MS/MSD/Field Dup?

HACH TEST KITS	

MS/MSD/Field Dup?			Parameter:		Result
			SO ₄ ²⁻		80 mg/L
			Fe ²⁺		0.0 mg/L
			Cl ⁻		500 mg/L
			CO ₂		16.25 mg/L
PINEAVE-017-05			NO ₃ ⁻		0.05 mg/L
			Alkalinity		5 mg/L
Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs SW-846 8260	Voa HCL	3		HCl	
SVOCs SW-846 8270	100mL Amber	2		unpreserved	
Pesticides SW-846 8081	100mL Amber	2		unpreserved	
Herbicides SW-846 8151	1L Amber	2		unpreserved	
PCBs SW-846 8082	100 mL Amber	2		unpreserved	
TAL Metals & Hg 6010/6020	250mL plastic HNO3	1		HNO3	
Diss. Metals & Hg 6010/6020	250mL plastic	1		unpreserved	
1,4-Dioxane SW-846 8270 SIM	1L Amber	2		unpreserved	
Total Cyanide SW-846 9012	250mL plastic	1		NaOH	
PFAS EPA 1633	500mL	2		unpreserved	
TSS	120mL	1		unpreserved	

Low Flow Ground Water Sampling Log

Date	04/25/24	Personnel	M. Hambrick	Weather	50s, Sunny
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-09
Site Location	Niagara Falls, NY	Sampling Method	Low-Flow	Project #	452276

Well information:		*Measurements taken from:	
Depth of Well	27.59 ft.	X	Top of Well Casing
Depth to Water	17.8 ft.		Top of Protective Casing
H_{wc}	9.79 ft.		(Other, Specify)
Depth to Intake	24 ft.		

Start Purge Time: 1450

[illegible]

End Purge Time: 1520

Water Sample			
Time Collected:	<u>1525</u>	Total volume of purged water removed:	<u>3.5</u> (gallons)
Physical appearance at start:		Physical appearance at start:	
	Color <u>clear</u>		Color <u>clear</u>
	Odor <u>none</u>		Odor <u>none</u>
	Sheen/Free Product <u>none</u>		Sheen/Free Product <u>none</u>

Samples: (See list of parameters collected below) MS/MSD/Field Dup?			HACH TEST KITS		
			Parameter:		Result
			SO ₄ ²⁻		80 mg/L
			Fe ²⁺		0.0 mg/L
			Cl ⁻		500 mg/L
PINEAVE-017-06			CO ₂	8.75 mg/L	
			NO ³⁻	0.05 mg/L	
			Alkalinity	5 mg/L	
Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs SW-846 8260	Voa HCL	3		HCl	
SVOCs SW-846 8270	100mL Amber	2		unpreserved	
Pesticides SW-846 8081	100mL Amber	2		unpreserved	
Herbicides SW-846 8151	1L Amber	2		unpreserved	
PCBs SW-846 8082	100 mL Amber	2		unpreserved	
TAL Metals & Hg 6010/6020	250mL plastic HNO3	1		HNO3	
Diss. Metals & Hg 6010/6020	250mL plastic	1		unpreserved	
1,4-Dioxane SW-846 8270 SIM	1L Amber	2		unpreserved	
Total Cyanide SW-846 9012	250mL plastic	1		NaOH	
PFAS EPA 1633	500mL	2		unpreserved	
TSS	120mL	1		unpreserved	

Low Flow Ground Water Sampling Log

Date	04/25/24	Personnel	T. Schweigel	Weather	50s, Sunny
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-07
Site Location	Niagara Falls, NY	Sampling Method	Low-Flow	Project #	452276

Well information:	*Measurements taken from:

Depth of Well	25.9 ft.	<table border="1"> <tr> <td>X</td> <td>Top of Well Casing</td> </tr> <tr> <td></td> <td>Top of Protective Casing</td> </tr> <tr> <td></td> <td>(Other, Specify)</td> </tr> </table>	X	Top of Well Casing		Top of Protective Casing		(Other, Specify)
X	Top of Well Casing							
	Top of Protective Casing							
	(Other, Specify)							
Depth to Water	17.39 ft.							
H _{wc}	8.51 ft.							
Depth to Intake	23 ft.							

Start Purge Time: 1601

[illegible]

End Purge Time: 1645

Water Sample

Time Collected:	<u>1650</u>	Total volume of purged water removed:	<u>4.5</u>	(gallons)
Physical appearance at start:		Physical appearance at start:		
	Color <u>clear</u>		Color <u>clear</u>	
	Odor <u>none</u>		Odor <u>none</u>	
Sheen/Free Product	<u>none</u>	Sheen/Free Product	<u>none</u>	

Samples:	(See list of parameters collected below)	HACH TEST KITS

Samples:	(See list of parameters collected below)
	MS/MSD/Field Dup?

HACH TEST KITS	

MS/MSD/Field Dup?			Parameter:		Result
			SO ₄ ²⁻		80 mg/L
			Fe ²⁺		2.4 mg/L
			Cl ⁻		1000 mg/L
			CO ₂		16.25 mg/L
PINEAVE-017-07			NO ₃ ⁻		0.05 mg/L
			Alkalinity		10 mg/L
Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
VOCs SW-846 8260	Voa HCL	3		HCl	
SVOCs SW-846 8270	100mL Amber	2		unpreserved	
Pesticides SW-846 8081	100mL Amber	2		unpreserved	
Herbicides SW-846 8151	1L Amber	2		unpreserved	
PCBs SW-846 8082	100 mL Amber	2		unpreserved	
TAL Metals & Hg 6010/6020	250mL plastic HNO3	1		HNO3	
Diss. Metals & Hg 6010/6020	250mL plastic	1		unpreserved	
1,4-Dioxane SW-846 8270 SIM	1L Amber	2		unpreserved	
Total Cyanide SW-846 9012	250mL plastic	1		NaOH	
PFAS EPA 1633	500mL	2		unpreserved	
TSS	120mL	1		unpreserved	

[illegible]

Low Flow Ground Water Sampling Log

Date	05/14/24	Personnel	R. Inclima; M. Russell	Weather	72°F; sunny
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	SVE-02
Site Location	Niagara Falls, NY	Sampling Method	Grab	Project #	452276

Well information:

*Measurements taken from:

Depth of Well	5.55 ft.

X

Top of Well Casing

Depth to Water	0.45 ft.

Top of Protective Casing

$$H_{wc} \quad \underline{\hspace{1.5cm}} \quad 5.1 \text{ ft.}$$

(Other, Specify)

Depth to Intake ~4 ft.

Screen interval _____ ft. bgs

Start Purge Time:	1225

[illegible]

End Purge Time: 1240

Water Sample

Time Collected: 1230

Total volume of purged water removed: ~1.25 (gallons)

Physical appearance at start:

Physical appearance at start:

Color clear

Color clear

Odor sulfuric

Odor sulfuric

Sheen/Free Product none

Sheen/Free Product none

Samples: (See list of parameters collected below)

PineAve-020-002

Field Test Results:

Test Kit Model:	N/A

Notes:

Grab sample; 1 well volume = 0.83 gal

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
TOC	Amber 100 ml	1	-	H ₃ PO ₄	-
Dissolved Metals	Plastic 250 ml	1	-	-	-
SO ₄ , Cl, NO ₃ , NO ₂	Plastic 950 ml	2	-	-	-
Total Metals	Plastic 250 ml	1	-	HNO ₃	-
NO ₃ /NO ₂	Plastic 250 ml	1	-	H ₂ SO ₄	-
Sulfide	Plastic 250 ml	4	-	Zn Acetate/NaOH pr	-
Dissolved Gases	Vial 40 ml	3	-	HCl	-

Low Flow Ground Water Sampling Log

Date	05/14/24	Personnel	R. Inclima; M. Russell	Weather	72°F; sunny
Site Name	Time 1-Hour Cleaners	Evacuation Method	Peristaltic Pump	Well #	SVE-03
Site Location	Niagara Falls, NY	Sampling Method	Grab	Project #	452276

Well information:

*Measurements taken from:

Depth of Well	5.54 ft.

X

Top of Well Casing

Depth to Water	0.55 ft.

Top of Protective Casing

H _{wc}	<u>4.99 ft.</u>

☐ (Other, Specify)

Depth to Intake	~3 ft.

Screen interval _____ ft. bgs

Start Purge Time:	1155

[illegible]

End Purge Time: 1210

Water Sample

Time Collected: 1200

Total volume of purged water removed: ~1.25 (gallons)

Physical appearance at start:

Physical appearance at start:

Color light brown

Color clearish

Odor sulfuric

Odor sulfuric

Sheen/Free Product none

Sheen/Free Product none

Samples:

(See list of parameters collected below)

PineAve-020-001

Field Test Results:

Test Kit Model:	N/A

Notes:

Grab sample; 1 well volume = 0.81 gal

Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH
TOC	Amber 100 ml	1	-	H ₃ PO ₄	-
Dissolved Metals	Plastic 250 ml	1	-	-	-
SO ₄ , Cl, NO ₃ , NO ₂	Plastic 950 ml	2	-	-	-
Total Metals	Plastic 250 ml	1	-	HNO ₃	-
NO ₃ /NO ₂	Plastic 250 ml	1	-	H ₂ SO ₄	-
Sulfide	Plastic 250 ml	4	-	Zn Acetate/NaOH pr	-
Dissolved Gases	Vial 40 ml	3	-	HCl	-

[illegible]

\\NYSYR04FS01\Projects\NYSDEC Program\452276 - WA #12 -Time 1-Hour Cleaners RIFSIRM\9.0 Reports\Phase II RI Report\Rev 0\3. Appendices\App B Devo and GWS\App B.3 - Time1Hour BioRemGWS 052024.xlsx

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\\NYSYR04FS01\Projects\NYSDEC Program\452276 - WA #12 -Time 1-Hour Cleaners RIFSIRM\9.0 Reports\Phase II RI Report\Rev 0\3. Appendices\App B Devo and GWS\App B.3 - Time1Hour BioRemGWS 052024.xlsx

[illegible]

Low Flow Ground Water Sampling Log								
Date	05/30/24	Personnel	JT + JM	Weather	66°F, sunny, 8 mph N			
Site Name	1Hr Cleaner/Pine Ave	Evacuation Method	Peri Pump	Well #	PZ-01			
Site Location	Niagara Falls, NY	Sampling Method	Low Flow	Project #	452276.03010			
Well information:								
Depth of Well	14.88 ft.	*Measurements taken from:						
Depth to Water	6.05 ft.	PID: Reached 242.6 ppm when first	X	Top of Well Casing				
H _{wc}	8.83 ft.	opened, stabilized around 20 ppm,		Top of Protective Casing				
Depth to Intake	13.88 ft.	varied 3-50 in general		(Other, Specify)				
Start Purge Time: 1646								
		10%	0.1	3%	10 mV	10%	10%	
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	6.33	16.30	6.70	2.39	95	6.33	>1000	200
5	6.66	15.44	6.60	2.45	107	0.24	67.9	175
10	6.90	15.79	6.57	2.45	109	0.11	20.5	145
15	6.91	17.02	6.81	2.46	121	2.10	464	175
20	7.14	17.65	6.64	2.39	122	0.57	384	125
25	7.32	17.70	6.58	2.38	120	0.04	184	100
30	7.48	17.99	6.56	2.37	118	0.00	117	75
35	7.60	18.22	6.55	2.36	117	0.00	33.9	75
40	7.72	18.40	6.55	2.35	115	0.00	12.3	75
45	7.83	18.61	6.54	2.33	115	0.00	14.7	75
50	8.15	15.29	6.56	2.31	115	0.00	3.0	280
55	8.70	15.29	6.56	2.34	115	0.00	2.9	280
60	9.12	15.27	6.56	2.36	115	0.00	3.2	280
65	9.51	15.12	6.56	2.41	117	0.00	2.7	280
70	10.01	14.94	6.56	2.44	120	0.00	3.1	350
75	10.48	14.82	6.56	2.47	119	0.00	4.2	400
80	11.00	14.77	6.56	2.49	124	0.00	16.5	400
85	12.21						11.8	400
End Purge Time: 1811								
Water Sample								
Time Collected: 05/31/24 1015		Total volume of purged water removed: 5 (gallons)						
Physical appearance at start:		Physical appearance at start:						
Color cloudy/opaque, beige		Color clear, colorless						
Odor none		Odor none						
Sheen/Free Product none		Sheen/Free Product none						
Samples:								
(See list of parameters collected below) PineAve-023-003				After 10' reading, switched from Series 2 to 1. Not stabilizing so start trying to purge dry @ 50': increase flow. @ 70' switch back to Series 2. Site safety concern @ 1811 so stopped work. 05/31/24 Depth to Water: 10.10 ft. Only collected VOCs due to low sampling volume. Depth to Water after sampling: 10.09 ft.				
Sample	Container Type		# Collected	Field Filtered	Preservative		Container pH	
VOCs	40 mL Glass		3	no	HCl		-	

Low Flow Ground Water Sampling Log								
Date	05/30/24		Personnel	JT + JM		Weather	63°F, sunny, 9 mph	
Site Name	1Hr Cleaner/Pine Ave		Evacuation Method	Peri Pump		Well #	PZ-02	
Site Location	Niagara Falls, NY		Sampling Method	Low Flow		Project #	452276.03010	
Well information:								
Depth of Well	14.70 ft.		*Measurements taken from: PID: 0.3 ppm X Top of Well Casing H_{we} 7.00 ft. Top of Protective Casing Depth to Intake 14.60 ft. (Other, Specify)					
Depth to Water	7.70 ft.							
H _{we}	7.00 ft.							
Depth to Intake	14.60 ft.							
Start Purge Time: 1403								
		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	7.98	24.74	7.10	0.906	32	1.56	12.2	200
5	8.35	23.12	7.01	0.906	-31	0.15	8.5	200
10	8.85	20.41	6.98	0.827	-33	0.18	8.4	200
15	9.11	18.61	6.98	0.788	-40	0.24	10.9	175
20	9.33	17.71	7.00	0.789	-32	0.20	9.5	175
25	9.95	17.62	6.98	0.778	-25	0.04	7.2	175
30	10.25	17.44	6.97	0.778	-26	0.00	6.8	145
40	10.71	18.42	6.93	0.774	-28	0.00	6.3	145
45	10.98	18.40	6.93	0.792	-34	0.00	4.0	145
50	11.20	18.23	6.93	0.800	-31	0.00	3.5	145
55	11.48	17.83	6.93	0.822	-27	0.00	2.9	125
60	12.10	17.67	6.93	0.826	-25	0.00	2.8	125
65	11.90	17.88	6.93	0.822	-38	0.00	2.8	90
70	11.80	17.83	6.89	1.02	-64	0.00	2.6	90
75		17.85	6.86	1.18	-88	0.00	2.5	90
80	11.95	17.84	6.88	1.11	-91	0.00	2.3	90
85	12.03	17.72	6.92	0.982	-82	0.00	1.5	90
90	12.10	17.70	6.94	0.920	-71	0.00	1.2	90
95	12.21	17.61	6.95	0.887	-62	0.00	1.4	90
100	12.39	17.14	6.95	0.863	-49	0.00	1.5	90
105	12.48	16.22	6.95	0.861	-34	0.00	1.6	200
110	12.75	15.57	6.94	0.872	-22	0.00	1.7	230
115	13.02	15.43	6.94	0.874	-23	0.00	1.9	250
120	13.35	15.32	6.92	0.909	-30	0.00	2.3	250
125	13.60	15.28	6.89	0.996	-43	0.00	2.3	250
130	13.96	15.27	6.88	1.03	-42	0.00	2.1	250
135	14.29	15.22	6.84	1.19	-42	0.00	1.6	250
140	14.60	15.35	6.83	1.30	-47	0.00	1.6	250
142	DRY							
End Purge Time: 1625								
Water Sample								
Time Collected: 05/31/24 0945			Total volume of purged water removed: 6.5 (gallons)					
Physical appearance at start:			Physical appearance at start:					
Color clear, colorless			Color clear, colorless					
Odor slight sulfuric			Odor none					
Sheen/Free Product none			Sheen/Free Product none					
Samples: (See list of parameters collected below) Dropping tubing as water level decreases. Started with Depth to Intake: 13.70 ft. Increased flow rate at 1548 to purge dry and sample the next day. 05/31/24 Depth to Water: 12.72 ft. Only collected VOCs due to low sampling volume. Depth to Water after sampling: 12.66 ft.								
Sample	Container Type	# Collected	Field Filtered	Preservative	Container pH			
VOCs	40 mL Glass	3	no	HCl	-			

Low Flow Ground Water Sampling Log								
Date	05/30/24	Personnel	JT + JM	Weather	62°F, sunny, 11 mph N			
Site Name	1Hr Cleaner/Pine Ave	Evacuation Method	Peri Pump	Well #	PZ-03			
Site Location	Niagara Falls, NY	Sampling Method	Low Flow	Project #	452276.03010			
Well information:								
Depth of Well	14.80 ft.				*Measurements taken from:			
Depth to Water	10.40 ft.	PID: 2.0 ppm	X	Top of Well Casing				
H _{wc}	4.40 ft.			Top of Protective Casing				
Depth to Intake	14.70 ft.			(Other, Specify)				
Start Purge Time: 1224								
		10%	0.1	3%	10 mV	10%	10%	
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	10.80	19.97	5.62	1.72	196	3.60	103	275
5	11.29	17.64	6.52	1.70	172	1.76	87.7	200
10	11.70	17.50	6.61	1.67	163	1.66	62.4	175
15	11.95	18.63	6.62	1.63	105	1.19	47.7	140
20	12.10	20.37	6.64	1.58	74	0.87	33.5	100
25	12.40	18.57	6.64	1.67	73	1.00	11.9	150
30	12.62	18.08	6.65	1.66	72	0.61	14.9	150
35	12.90	19.27	6.65	1.61	87	0.26	17.8	150
40	13.25	18.37	6.66	1.63	94	0.22	13.5	150
45	13.70	18.13	6.67	1.64	80	0.13	13.8	150
50	14.03	18.84	6.67	1.62	73	0.08	11.0	130
55	14.22	20.27	6.68	1.56	55	0.00	1.9	125
60	14.45	20.52	6.68	1.56	54	0.00	0.5	125
65	14.61	20.54	6.69	1.56	54	0.00	0.9	125
70	14.80	19.64	6.70	1.59	29	0.18	5.0	
DRY								
End Purge Time: 1334								
Water Sample								
Time Collected: 05/31/24 0925		Total volume of purged water removed: 2.5 (gallons)						
Physical appearance at start: Color cloudy, beige, black specs				Physical appearance at start: Color clear, colorless				
Odor none				Odor none				
Sheen/Free Product none				Sheen/Free Product none				
Samples: (See list of parameters collected below) Pushed tubing down as water level decreased. Started with Depth of Intake: 14.30 ft. Went dry on 30/05/24 at 1314. 05/31/24 Depth to Water: 14.00 ft. Only collected VOCs due to low sampling volume. Depth to Water after sampling: 14.15 ft.								
Sample	Container Type		# Collected	Field Filtered	Preservative		Container pH	
VOCs	40 mL Glass		3	no	HCl		-	

APPENDIX F - SOIL VAPOR FIELD DATA SHEETS



Outdoor Air (Canister) Sample Collection Field Form

Project #	452276	Consultant	Parsons
Project Name	Pine Ave RIFSIRM	Collector	A. Cook, J. Moffitt

Sample ID	2532-OA-040622-01	Vacuum gauge "zero" ("Hg)	-0
Start Date/Time	04/06/2022 1350	Start Pressure ("Hg)	-28.7
End Date/Time	04/06/2022 1309	End Pressure ("Hg)	-.9
Canister ID	BC 2216	End pressure > "zero"?	Yes
Flow controller ID	3424	Sampling duration (intended)	24
Associated ambient air sample ID	N/A	Associated sub-slab vapor sample ID	N/A

Tubing type used	None	Length of tubing	N/A	cm	Tubing volume	N/A	cc
Volume purged	N/A	cc @	N/A	min	1 to 3 volumes purged @ < 200cc/min?	N/A	

Weather Conditions at Start of Sampling:

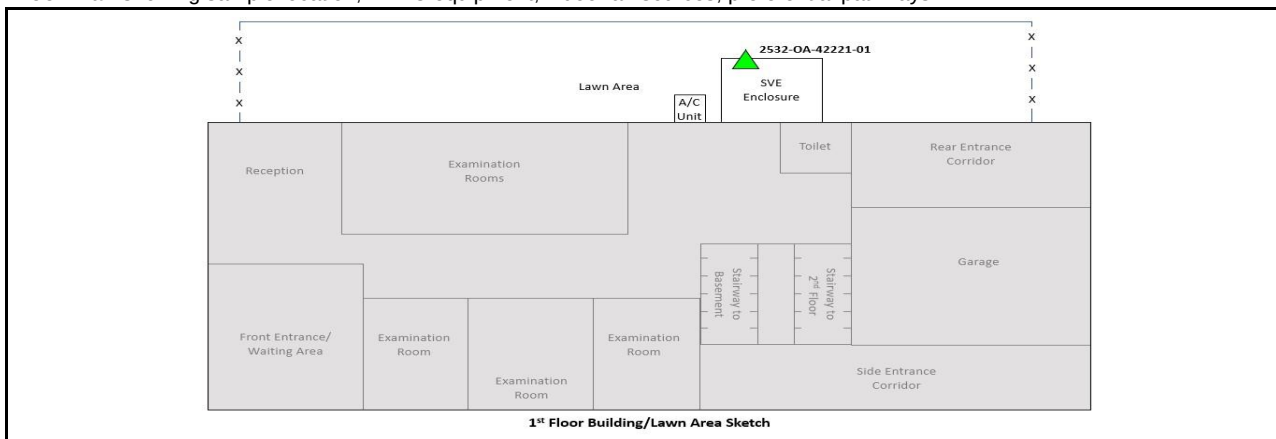
Air temperature (°F)	64	Rainfall	0	Wind direction	North West
Barometric pressure	29.77	Relative humidity	58%	Wind speed (mph)	9

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Outdoor temperature will drop 10 degrees F and rain on 4/7. 4/7 temp 42 to 54, rain showers, pressure 29.55 wind from S

Indoor air temp (°F)	N/A	Indoor relative humidity (%)	NM
Building Survey and Chemical Inventory Form Completed?	NA	Photograph IDs	NA

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Outdoor Air Sample collected adjacent to SVE system shed. PID = 0.0 ppb

Indoor Air (Canister) Sample Collection Field Form

Project #	<u>452276</u>	Consultant	<u>Parsons</u>
Project Name	<u>Pine Ave RIFSIRM</u>	Collector	<u>A. Cook J. Moffitt</u>

Sample ID	<u>2532-IA-040622-01</u>	Vacuum gauge "zero" ("Hg)	<u>-0</u>
Start Date/Time	<u>04/06/2022 1355</u>	Start Pressure ("Hg)	<u>-28.9</u>
End Date/Time	<u>04/07/2022 1352</u>	End Pressure ("Hg)	<u>-9</u>
Canister ID	<u>2131</u>	End pressure > "zero"?	<u>Yes</u>
Flow controller ID	<u>3621</u>	Sampling duration (intended)	<u>24</u>
Associated ambient air sample ID	<u>2532-OA-040622-01</u>	Associated sub-slab vapor sample ID	<u>N/A</u>

Tubing type used	<u>None</u>	Length of tubing	<u>N/A</u> cm	Tubing volume	<u>N/A</u> cc
Volume purged	<u>N/A</u> cc @	<u>N/A</u> min	1 to 3 volumes purged @ < 200cc/min?		<u>N/A</u>

Weather Conditions at Start of Sampling:

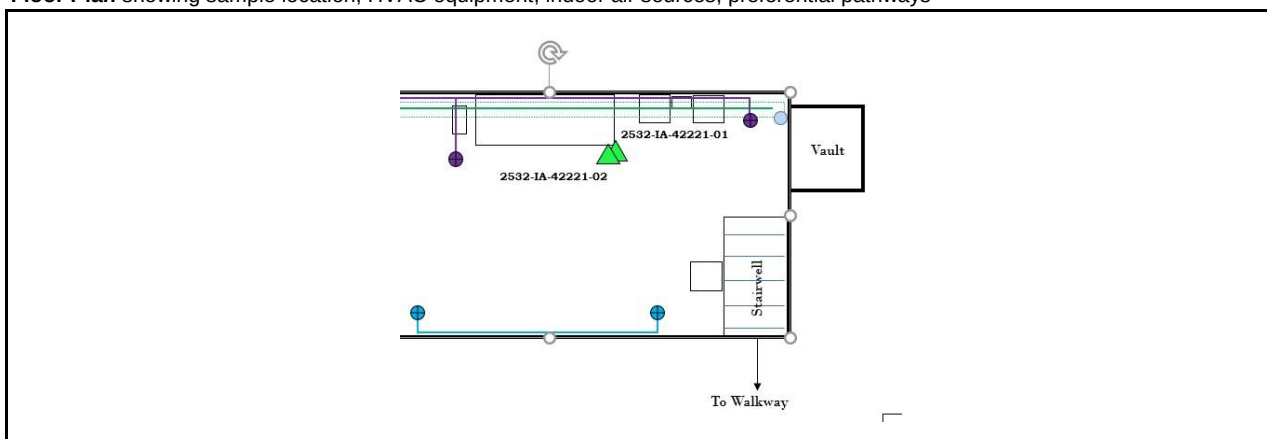
Air temperature (°F)	<u>64</u>	Rainfall	<u>0</u>	Wind direction	<u>North West</u>
Barometric pressure	<u>29.77</u>	Relative humidity	<u>58%</u>	Wind speed (mph)	<u>9</u>

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Outdoor temperature will drop 10 degrees F and rain on 4/7. 4/7 temp 42 to 54, rain showers, pressure 29.55 wind from S

Indoor air temp (°F)	<u>55</u>	Indoor relative humidity (%)	<u>NM</u>
Building Survey and Chemical Inventory Form Completed?	<u>Y</u>	Photograph IDs	<u>NA</u>

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Approximate sample locations shown above. Colocated with 2532-IA-040622-02. Flow regulator for dup failed set up as 2 separate canisters with separate flow controllers. PPB reading 0

Indoor Air (Canister) Sample Collection Field Form

Project #	<u>452276</u>	Consultant	<u>Parsons</u>
Project Name	<u>Pine Ave RIFSIRM</u>	Collector	<u>A. Cook J. Moffitt</u>

Sample ID	<u>2532-IA-040622-02</u>	Vacuum gauge "zero" ("Hg)	<u>-0</u>
Start Date/Time	<u>04/06/2022</u>	Start Pressure ("Hg)	<u>-29.2</u>
End Date/Time	<u>04/06/2022</u>	End Pressure ("Hg)	<u>-9.8</u>
Canister ID	<u>2043</u>	End pressure > "zero"?	<u>Yes</u>
Flow controller ID	<u>3608</u>	Sampling duration (intended)	<u>24</u>
Associated ambient air sample ID	<u>2532-OA-040622-01</u>	Associated sub-slab vapor sample ID	<u>N/A</u>

Tubing type used	<u>None</u>	Length of tubing	<u>N/A</u> cm	Tubing volume	<u>N/A</u> cc
Volume purged	<u>N/A</u> cc @	<u>N/A</u> min	1 to 3 volumes purged @ < 200cc/min?		<u>N/A</u>

Weather Conditions at Start of Sampling:

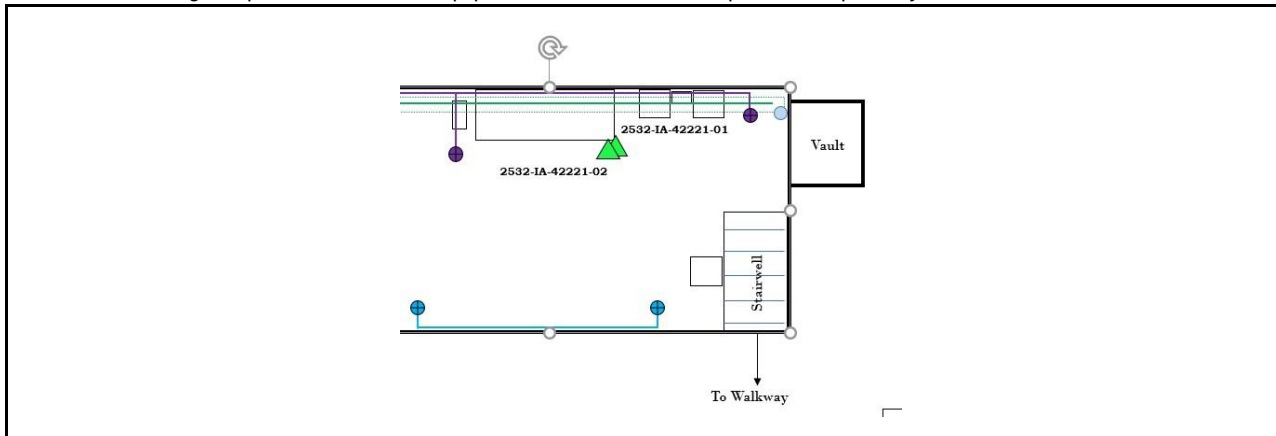
Air temperature (°F)	<u>64</u>	Rainfall	<u>0</u>	Wind direction	<u>North West</u>
Barometric pressure	<u>29.77</u>	Relative humidity	<u>58%</u>	Wind speed (mph)	<u>9</u>

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Outdoor temperature will drop 10 degrees F and rain on 4/7. 4/7 temp 42 to 54, rain showers, pressure 29.55 wind from S

Indoor air temp (°F)	<u>55</u>	Indoor relative humidity (%)	<u>NM</u>
Building Survey and Chemical Inventory Form Completed?	<u>Y</u>	Photograph IDs	<u>NA</u>

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Approximate sample locations shown above. Colocated with 2532-IA-040622-02. Flow regulator for dup failed set up as 2 separate canisters with separate flow controllers. PPB reading 0



Indoor Air (Canister) Sample Collection Field Form

Project #	452276	Consultant	Parsons
Project Name	Pine Ave RIFSIRM	Collector	A. Cook J. Moffitt

Sample ID	2532-IA-040622-03	Vacuum gauge "zero" ("Hg)	-0
Start Date/Time	04/06/2022 1341	Start Pressure ("Hg)	-28.2
End Date/Time	04/06/2022 1343	End Pressure ("Hg)	-10.2
Canister ID	BC 2451	End pressure > "zero"?	Yes
Flow controller ID	3604	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-040622-01	Associated sub-slab vapor sample ID	N/A

Tubing type used	None	Length of tubing	N/A	cm	Tubing volume	N/A	cc
Volume purged	N/A	cc @	N/A	min	1 to 3 volumes purged @ < 200cc/min?	N/A	

Weather Conditions at Start of Sampling:

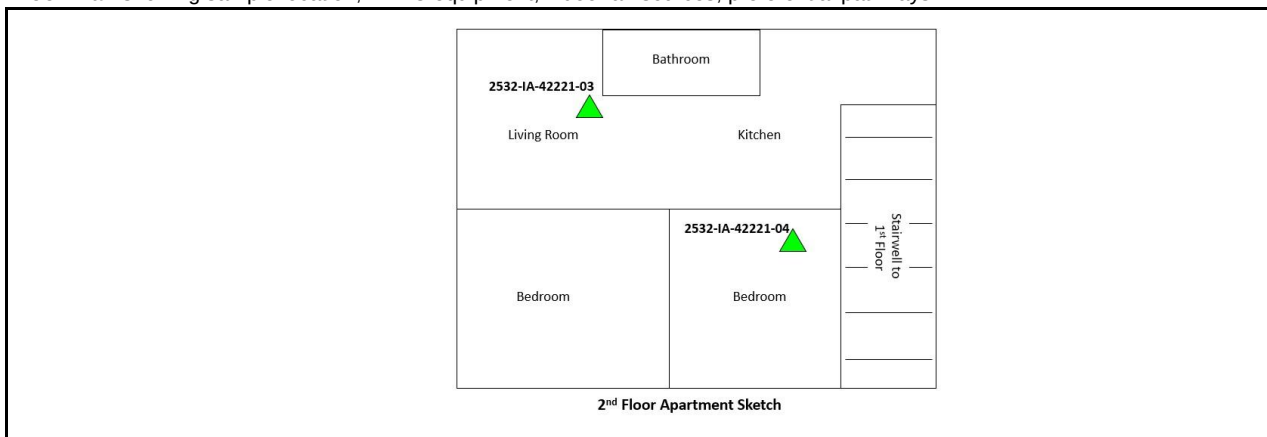
Air temperature (°F)	64	Rainfall	0	Wind direction	North West
Barometric pressure	29.77	Relative humidity	58%	Wind speed (mph)	9

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Outdoor temperature will drop 10 degrees F and rain on 4/7. 4/7 temp 42 to 54, rain showers, pressure 29.55 wind from S

Indoor air temp (°F)	70	Indoor relative humidity (%)	NM
Building Survey and Chemical Inventory Form Completed?	Y	Photograph IDs	NA

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Sample collected from 2nd floor apartment living room. PID = 0.0 PPB



Indoor Air (Canister) Sample Collection Field Form

Project #	452276	Consultant	Parsons
Project Name	Pine Ave RIFSIRM	Collector	A. Cook, J. Moffitt

Sample ID	2532-IA-040622-04	Vacuum gauge "zero" ("Hg)	-0
Start Date/Time	04/06/2022 1339	Start Pressure ("Hg)	-27.9
End Date/Time	04/06/2022 1345	End Pressure ("Hg)	0-7.5
Canister ID	BC 2407	End pressure > "zero"?	Yes
Flow controller ID	3605	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-040622-01	Associated sub-slab vapor sample ID	N/A

Tubing type used	None	Length of tubing	N/A	cm	Tubing volume	N/A	cc
Volume purged	N/A	cc @	N/A	min	1 to 3 volumes purged @ < 200cc/min?	N/A	

Weather Conditions at Start of Sampling:

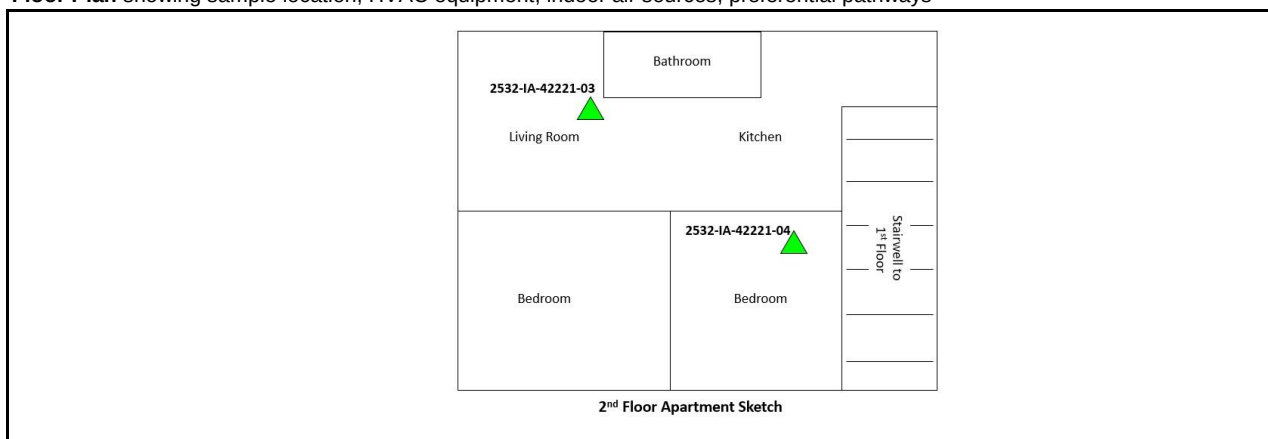
Air temperature (°F)	64	Rainfall	0	Wind direction	North West
Barometric pressure	29.77	Relative humidity	58%	Wind speed (mph)	9

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Outdoor temperature will drop 10 degrees F and rain on 4/7. 4/7 temp 42 to 54, rain showers, pressure 29.55 wind from S

Indoor air temp (°F)	70	Indoor relative humidity (%)	NM
Building Survey and Chemical Inventory Form Completed?	Y	Photograph IDs	NA

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Sample collected from 2nd floor apartment bedroom. PID = 0.0 ppb



Indoor Air (Canister) Sample Collection Field Form

Project #	452276	Consultant	Parsons
Project Name	Pine Ave RIFSIRM	Collector	A. Cook, J. Moffitt

Sample ID	2532-IA-040622-05	Vacuum gauge "zero" ("Hg)	-0
Start Date/Time	04/06/2022 1345	Start Pressure ("Hg)	-28.2
End Date/Time	04/06/2022 1348	End Pressure ("Hg)	-6.9
Canister ID	BC 1130	End pressure > "zero"?	Yes
Flow controller ID	3425	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-040622-01	Associated sub-slab vapor sample ID	N/A

Tubing type used	None	Length of tubing	N/A	cm	Tubing volume	N/A	cc
Volume purged	N/A	cc @	N/A	min	1 to 3 volumes purged @ < 200cc/min?	N/A	

Weather Conditions at Start of Sampling:

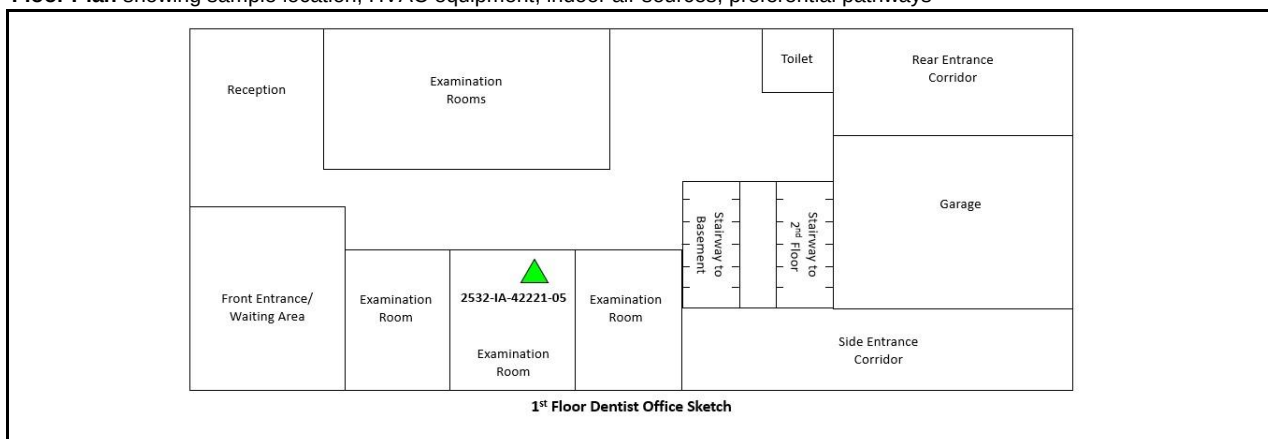
Air temperature (°F)	64	Rainfall	0	Wind direction	North West
Barometric pressure	29.77	Relative humidity	58%	Wind speed (mph)	9

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Outdoor temperature will drop 10 degrees F and rain on 4/7. 4/7 temp 42 to 54, rain showers, pressure 29.55 wind from S

Indoor air temp (°F)	70	Indoor relative humidity (%)	NM
Building Survey and Chemical Inventory Form Completed?	Y	Photograph IDs	NA

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Sample collected from first floor office. PID = 1225 ppb at its highest reading near products used for dentist

2526 Pine Avenue

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Megan Clark Date/Time Prepared 11/9/23 1030Preparer's Affiliation Parsons Phone No. 315-715-1098Purpose of Investigation 2022 SVI Sampling

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ☐) - Owner representative,
Interviewed: ☒ Y / N owned by non-profitLast Name: Abdullah First Name: MohammedAddress: 171 Knox Avenue, West Chester, 14224

County: _____

Home Phone: 718-475-0904 Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
IndustrialSchool
ChurchCommercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch
Raised Ranch
Cape Cod
Duplex
Modular

2-Family
Split Level
Contemporary
Apartment House
Log Home

3-Family
Colonial
Mobile Home
Townhouses/Condos
Other: _____

3 units apartment,
currently occupied

If multiple units, how many? 3

If the property is commercial, type?

Business Type(s) Vacant

Does it include residences (i.e., multi-use)? ☒ Y / N

If yes, how many? 3

Other characteristics:

Number of floors 2

Building age U.K.

Is the building insulated? ☒ Y / N

How air tight? Tight / Average / Not Tight Unknown

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

NOT PERFORMED - NO ACCESS TO UPSTAIRS

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: ~~wood frame~~ concrete stone brick
- b. Basement type: full crawlspace slab other none
- c. Basement floor: concrete dirt stone other none
- d. Basement floor: uncovered covered covered with none
- e. Concrete floor: unsealed sealed sealed with none
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y / N
- k. Water in sump? Y / N not applicable

Basement/Lowest level depth below grade: Ground (6) (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

no visible cracks in floor/foundation

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation forced air Heat pump Hot water baseboard
Space Heaters Stream radiation Radiant floor
Electric baseboard Wood stove Outdoor wood boiler Other _____

The primary type of fuel used is:

Natural Gas Fuel Oil Kerosene
Electric Propane Solar
Wood Coal

Domestic hot water tank fueled by: Gas

Boiler/furnace located in: Basement Outdoors Main Floor Other _____

Air conditioning: Central Air Window units Open Windows None

Wall-mount

Are there air distribution ducts present?

(Y) N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Open duct in back portion. Hole in ceiling ~ 5' away

7. OCCUPANCY

Is basement/lowest level occupied?

Full-time

Occasionally

Seldom

Almost Never

Level

General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

Basement

N/A

1st Floor

Vacant (Searching for tenant, former game store)

2nd Floor

Occupied w/ apartment

3rd Floor

N/A

4th Floor

N/A

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y / (N)

b. Does the garage have a separate heating unit?

Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)

Y / N / (NA)

Please specify _____

d. Has the building ever had a fire?

Y / N When? Unknown

e. Is a kerosene or unvented gas space heater present?

(Y) N Where? _____

f. Is there a workshop or hobby/craft area?

Y (N) Where & Type? _____

g. Is there smoking in the building?

Y / N How frequently? Unknown apartment

h. Have cleaning products been used recently?

Y / N When & Type? None

i. Have cosmetic products been used recently?

Y / N When & Type? None

Hot water electric

j. Has painting/staining been done in the last 6 months?

Y / ☒ N

Where & When?

Not in past 6 months, but > 6 months, painting of front porch

k. Is there new carpet, drapes or other textiles?

Y / ☒ N

Where & When?

6 months ago Carpet, painting, curtains in front porch

l. Have air fresheners been used recently?

Y / ☒ N

When & Type?

m. Is there a kitchen exhaust fan?

Y / N

If yes, where vented?

Unknown

n. Is there a bathroom exhaust fan?

Y / ☒ N

If yes, where vented?

Unknown

o. Is there a clothes dryer?

Y / ☒ N

If yes, is it vented outside? Y / N

p. Has there been a pesticide application?

Y / ☒ N

When & Type?

Are there odors in the building?

Y / ☒ N

If yes, please describe:

Do any of the building occupants use solvents at work?

Y / N

(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

Unknown

If yes, what types of solvents are used?

If yes, are their clothes washed at work?

Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)

Yes, use dry-cleaning infrequently (monthly or less)

Yes, work at a dry-cleaning service

~~No~~
Unknown

Is there a radon mitigation system for the building/structure? Y / N Date of Installation:

Is the system active or passive?

Active/Passive

9. WATER AND SEWAGE

Water Supply:

☒ Public Water☐ Drilled Well☐ Driven Well☐ Dug Well

Other: _____

Sewage Disposal:

☒ Public Sewer☐ Septic Tank☐ Leach Field☐ Dry Well

Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

NOT APPLICABLE

a. Provide reasons why relocation is recommended:

b. Residents choose to: remain in home

relocate to friends/family

relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained?

Y / N

d. Relocation package provided and explained to residents?

Y / N

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
Back wall Bathroom	Can of paint	7x gal	open U	Not listed see picture	0 ppm	Y
hall	Can of primer	1 gal	U	Not listed See picture	0 ppm	Y
Back wall W wall	100 of dry wall primer	5 gal	U	Not listed See picture	0 ppm	Y
Back corner	6 lbs of Fruiting w/ black substrate	40 oz	U	Not used as Airway	0 ppm	Y
hall	Joint compound sheet rock	40 lbs	U	Not listed See picture	0 ppm	Y
Living room	Miscellaneous trash			Pictures taken	0 ppm	Y
Front room by door	Disinfectant Spray	6 oz	U	Not listed See picture	0 ppm	Y
Front window	Hand sanitizer	8 oz	U	See picture, ~~not~~	0.3 ppm	Y
Front wall closet	Paint cans	1x1 gal	U	Not listed See picture	0 ppm	Y
hall	Dry wall joint compound	1 gal	U	~~Not listed~~ See picture	0 ppm	Y
hall	All Purpose Cleaner/ Bleach	1.5 pint	U	See picture	0 ppm	Y
Front room	Batteries	AAA	U/D	Original pictures	0 ppm	Y

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

11 FLOOR PLANS

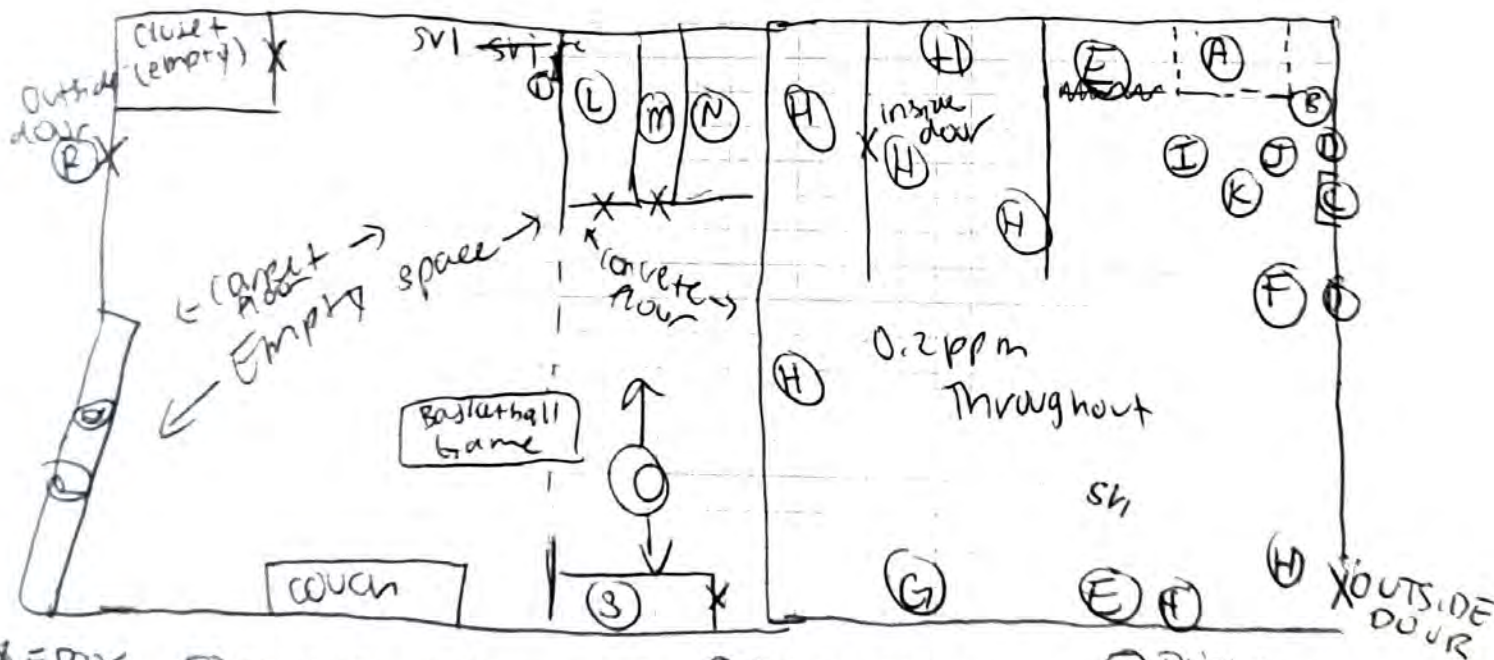
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

NO
BASEMENT

- (N) Bathroom w/ spray cleaner
- (O) wood debris
- (P) windows w/ drapes
- (Q) Hand sanitizer
- (R) wall Ac unit
- (S) electrical meters, wifi, etc.
- (T) Heating unit

First Floor:


$$X = \text{door}$$

SVI = SVI
sample
location

- (A) Shelves w/ paint cans
 - (B) Hot water heater
 - (C) Electric space heater
 - (D) Duct-work-stuffed
 - (E) Debris-wood, cardboard
 - (F) Debris-copper
 - (G) Debris-drywall/wood
 - (H) Misc. debris-contractor bags, cardboard, etc.
 - (I) Primer/drywall primer
 - (J) Joint compound
 - (K) Unknown black substance
 - (L) Closet w/ furnace
 - (M) Closet w/ paint + joint compound, spray cleaner
- continued above-

State & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

13. 1000

- Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**
- **Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients.** However, the photographs must be of good quality and ingredient labels must be legible.

* Background PID in office is ~ 3.3 ppm

Outdoor Air (Canister) Sample Collection Field Form

Project #	<u>452276</u>	Consultant	<u>Parsons</u>
Project Name	<u>Pine Ave RIFSIRM</u>	Collector	<u>M. Clark, J. Moffitt</u>

Sample ID	<u>2532-OA-01202023-01</u>	Vacuum gauge "zero" ("Hg)	<u>-0.5</u>
Start Date/Time	<u>01/19/2023 1358</u>	Start Pressure ("Hg)	<u>-31</u>
End Date/Time	<u>01/20/2023 1058</u>	End Pressure ("Hg)	<u>-8.1</u>
Canister ID	<u>BC 2019</u>	End pressure > "zero"?	<u>Yes</u>
Flow controller ID	<u>4835</u>	Sampling duration (intended)	<u>24</u>
Associated ambient air sample ID	<u>N/A</u>	Associated sub-slab vapor sample ID	<u>N/A</u>

Tubing type used	<u>None</u>	Length of tubing	<u>N/A</u> cm	Tubing volume	<u>N/A</u> cc
Volume purged	<u>N/A</u> cc @	<u>N/A</u> min	1 to 3 volumes purged @ < 200cc/min?	<u>N/A</u>	

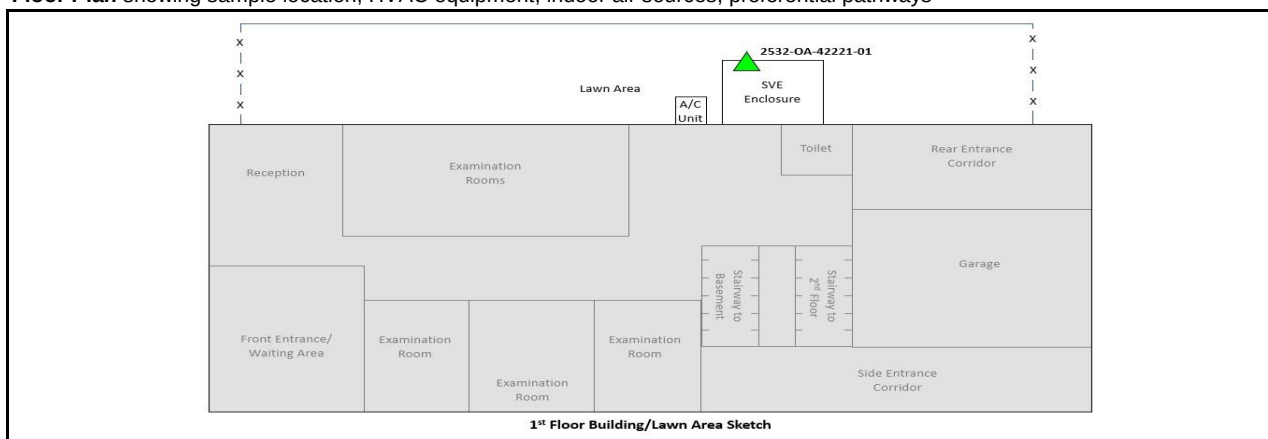
Weather Conditions at Start of Sampling:

Air temperature (°F)	<u>36</u>	Rainfall	<u>0</u>	Wind direction	<u>East</u>
Barometric pressure	<u>29.82</u>	Relative humidity	<u>93%</u>	Wind speed (mph)	<u>15</u>

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:
consistent, rain off and on

Indoor air temp (°F)	<u>N/A</u>	Indoor relative humidity (%)	<u>NM</u>
Building Survey and Chemical Inventory Form Completed?	<u>NA</u>	Photograph IDs	<u>NA</u>

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Under second story balcony, 33" off ground

Indoor Air (Canister) Sample Collection Field Form

Project #	452276	Consultant	PARSONS
Project Name	Time 1-Hour Cleaners	Collector	M. Clark, J. Moffitt

Sample ID	2526-IA-01202023-01	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	01/19/2023 1129	Start Pressure ("Hg)	-28.8
End Date/Time	1/20/2023 1129	End Pressure ("Hg)	-9.5
Canister ID	BC 1236	End pressure > "zero"?	Y
Flow controller ID	3261 DUP	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-01202023-01	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

Weather Conditions at Start of Sampling:

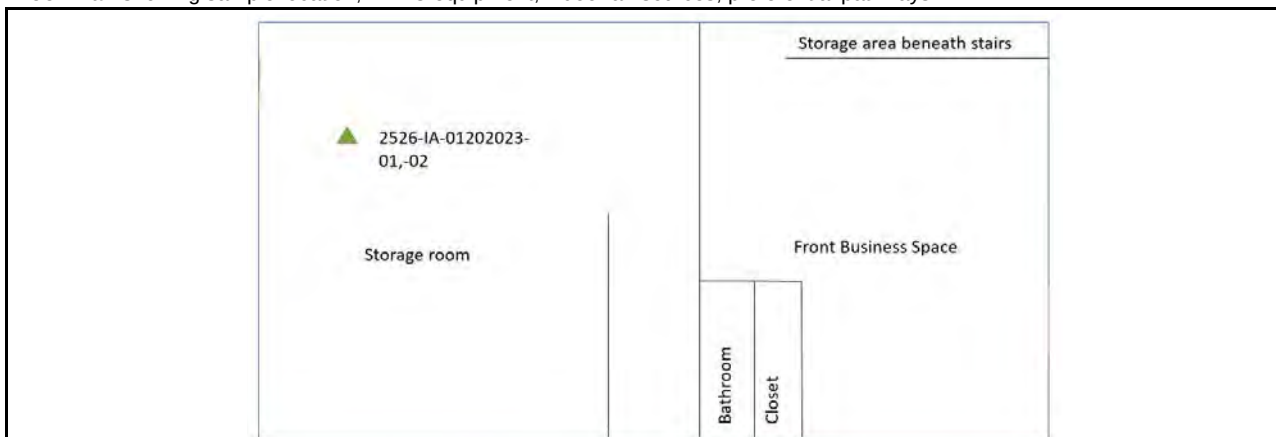
Air temperature (°F)	36	Rainfall	.2"	Wind direction	East
Barometric pressure	29.82	Relative humidity	93%	Wind speed (mph)	15

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Consistent, rain on and off

Indoor air temp (°F)	61	Indoor relative humidity (%)	NA
Building Survey and Chemical Inventory Form Completed?	Y	Photograph IDs	Y

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Near Back wall in back part of 2526 Pine Ave 36" off ground on cardboard box

Indoor Air (Canister) Sample Collection Field Form

Project #	452276	Consultant	PARSONS
Project Name	Time 1-Hour Cleaners	Collector	M. Clark, J. Moffitt

Sample ID	2526-IA-01202023-02	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	01/19/2023 1129	Start Pressure ("Hg)	-28.8
End Date/Time	1/20/2023 1129	End Pressure ("Hg)	-9.5
Canister ID	BC 2020	End pressure > "zero"?	Y
Flow controller ID	3261 DUP	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-01202023-01	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

Weather Conditions at Start of Sampling:

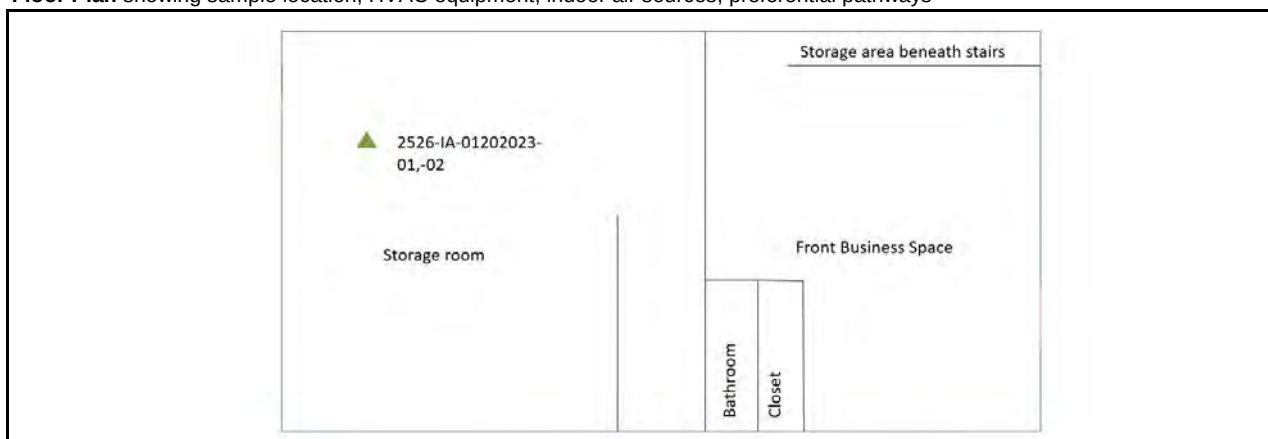
Air temperature (°F)	36	Rainfall	.2"	Wind direction	East
Barometric pressure	29.82	Relative humidity	93%	Wind speed (mph)	15

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Consistent, rain on and off

Indoor air temp (°F)	61	Indoor relative humidity (%)	NA
Building Survey and Chemical Inventory Form Completed?	Y	Photograph IDs	Y

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Near Back wall in back part of 2526 Pine Ave 36" off ground on cardboard box

Indoor Air (Canister) Sample Collection Field Form

Project #	452276	Consultant	PARSONS
Project Name	Time 1-Hour Cleaners	Collector	M. Clark, J. Moffitt

Sample ID	2526-IA-01202023-03	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	01/19/2023 1136	Start Pressure ("Hg)	-29
End Date/Time	1/20/2023 1135	End Pressure ("Hg)	-3.5
Canister ID	BC 1114	End pressure > "zero"?	Y
Flow controller ID	4834	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-01202023-01	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

Weather Conditions at Start of Sampling:

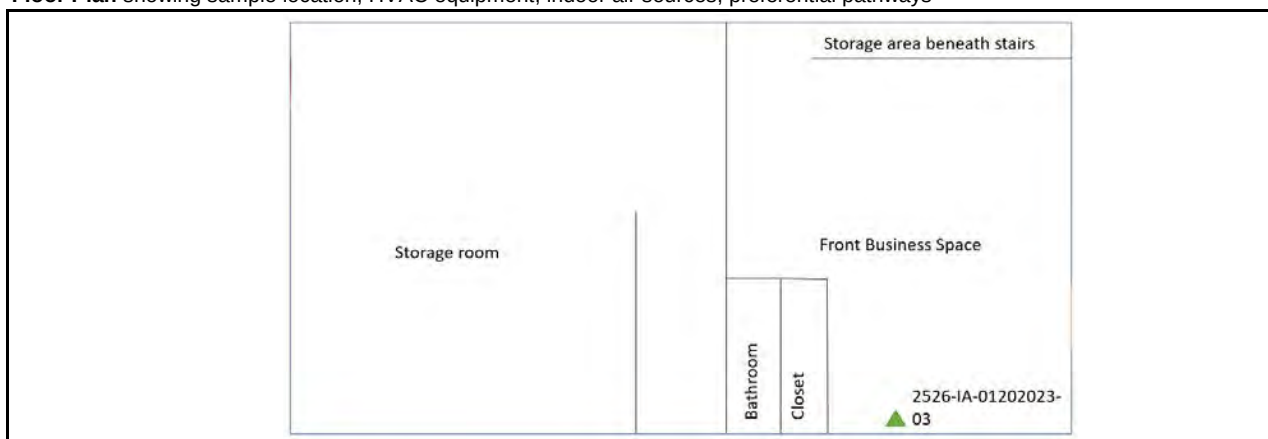
Air temperature (°F)	36	Rainfall	.2"	Wind direction	East
Barometric pressure	29.82	Relative humidity	93%	Wind speed (mph)	15

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Consistent, rain on and off

Indoor air temp (°F)	57	Indoor relative humidity (%)	NA
Building Survey and Chemical Inventory Form Completed?	Y	Photograph IDs	Y

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: In front storefront along west wall, 33" from ground, on 5 -gallon bucket

Indoor Air (Canister) Sample Collection Field Form

Project #	<u>452276</u>	Consultant	<u>Parsons</u>
Project Name	<u>Pine Ave RIFSIRM</u>	Collector	<u>M. Clark, J. Moffitt</u>

Sample ID	<u>2532-IA-012023-01</u>	Vacuum gauge "zero" ("Hg)	<u>-0</u>
Start Date/Time	<u>01/19/2023 1043</u>	Start Pressure ("Hg)	<u>-28</u>
End Date/Time	<u>01/20/2023 1040</u>	End Pressure ("Hg)	<u>-9.7</u>
Canister ID	<u>BC 1958</u>	End pressure > "zero"?	<u>Yes</u>
Flow controller ID	<u>3435 DUP</u>	Sampling duration (intended)	<u>24</u>
Associated ambient air sample ID	<u>2532-OA-01202023-01</u>	Associated sub-slab vapor sample ID	<u>N/A</u>

Tubing type used	<u>None</u>	Length of tubing	<u>N/A</u> cm	Tubing volume	<u>N/A</u> cc
Volume purged	<u>N/A</u> cc @	<u>N/A</u> min	1 to 3 volumes purged @ < 200cc/min?		<u>N/A</u>

Weather Conditions at Start of Sampling:

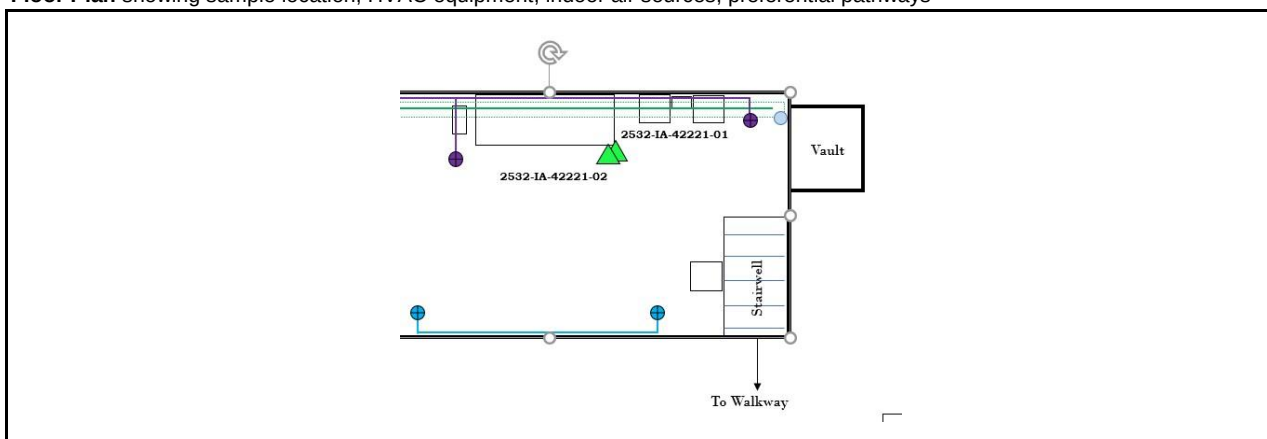
Air temperature (°F)	<u>36</u>	Rainfall	<u>0.2"</u>	Wind direction	<u>East</u>
Barometric pressure	<u>29.82</u>	Relative humidity	<u>93%</u>	Wind speed (mph)	<u>15</u>

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Consistent-rain on and off

Indoor air temp (°F)	<u>59..5</u>	Indoor relative humidity (%)	<u>NM</u>
Building Survey and Chemical Inventory Form Completed?	<u>Y</u>	Photograph IDs	<u>NA</u>

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: 0.4 PPM set on box near washer 39" off the ground

Indoor Air (Canister) Sample Collection Field Form

Project #	452276	Consultant	Parsons
Project Name	Pine Ave RIFSIRM	Collector	M. Clark J. Moffitt

Sample ID	2532-IA-012023-02	Vacuum gauge "zero" ("Hg)	-0
Start Date/Time	01/19/2023 1043	Start Pressure ("Hg)	-28
End Date/Time	01/20/2023 1040	End Pressure ("Hg)	-9.7
Canister ID	BC 2165	End pressure > "zero"?	Yes
Flow controller ID	3435 DUP	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-01202023-01	Associated sub-slab vapor sample ID	N/A

Tubing type used	None	Length of tubing	N/A	cm	Tubing volume	N/A	cc
Volume purged	N/A	cc @	N/A	min	1 to 3 volumes purged @ < 200cc/min?	N/A	

Weather Conditions at Start of Sampling:

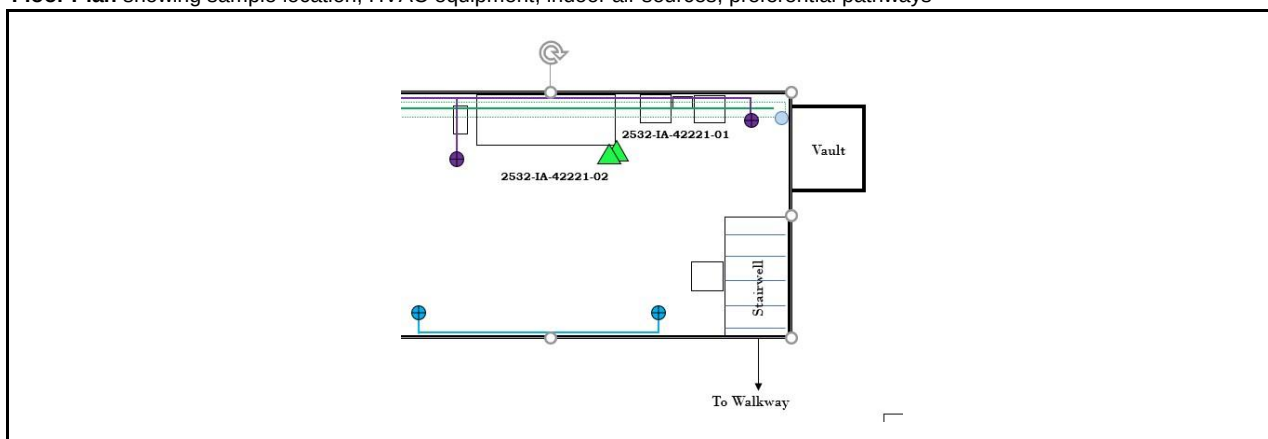
Air temperature (°F)	36	Rainfall	0.2"	Wind direction	East
Barometric pressure	29.82	Relative humidity	93%	Wind speed (mph)	15

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Consistent-rain on and off

Indoor air temp (°F)	59..5	Indoor relative humidity (%)	NM
Building Survey and Chemical Inventory Form Completed?	Y	Photograph IDs	NA

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: 0.4 PPM set on box near washer 34" off the ground

Indoor Air (Canister) Sample Collection Field Form

Project #	<u>452276</u>	Consultant	<u>Parsons</u>
Project Name	<u>Pine Ave RIFSIRM</u>	Collector	<u>M. Clark J. Moffitt</u>

Sample ID	<u>2532-IA-01202023-03</u>	Vacuum gauge "zero" ("Hg)	<u>-0.1</u>
Start Date/Time	<u>01/19/2023 1351</u>	Start Pressure ("Hg)	<u>-30</u>
End Date/Time	<u>01/20/2023 1343</u>	End Pressure ("Hg)	<u>-2.9</u>
Canister ID	<u>BC 1344</u>	End pressure > "zero"?	<u>Yes</u>
Flow controller ID	<u>4903</u>	Sampling duration (intended)	<u>24</u>
Associated ambient air sample ID	<u>2532-OA-01202023-01</u>	Associated sub-slab vapor sample ID	<u>N/A</u>

Tubing type used	<u>None</u>	Length of tubing	<u>N/A</u> cm	Tubing volume	<u>N/A</u> cc
Volume purged	<u>N/A</u> cc @	<u>N/A</u> min	1 to 3 volumes purged @ < 200cc/min?	<u>N/A</u>	

Weather Conditions at Start of Sampling:

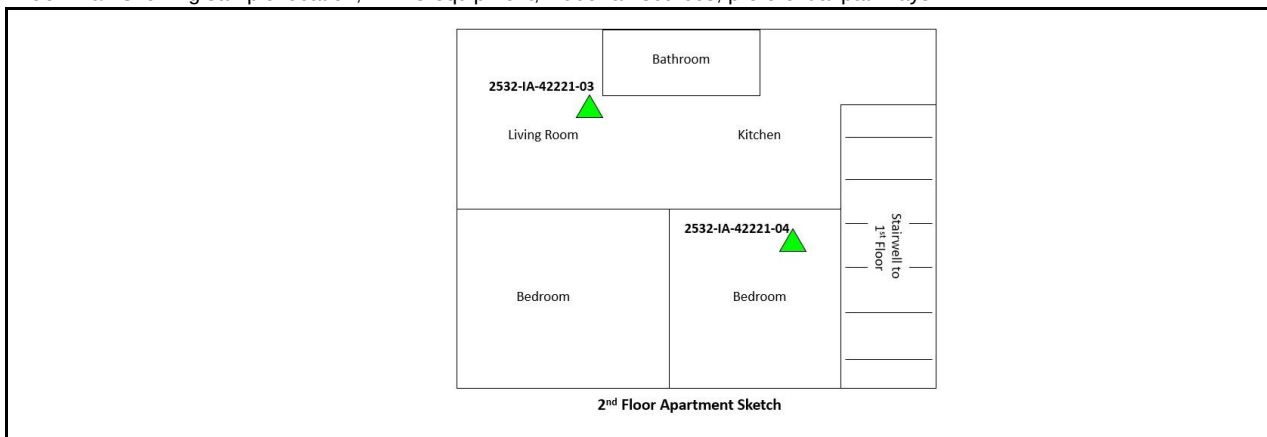
Air temperature (°F)	<u>36</u>	Rainfall	<u>0</u>	Wind direction	<u>East</u>
Barometric pressure	<u>29.82</u>	Relative humidity	<u>93%</u>	Wind speed (mph)	<u>15</u>

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

consistent temp, rain on and off

Indoor air temp (°F)	<u>59, sensor not working</u>	Indoor relative humidity (%)	<u>NM</u>
Building Survey and Chemical Inventory Form Completed?	<u>Y</u>	Photograph IDs	<u>NA</u>

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: in bedroom next to stairs 46" off ground on desk 0.9 PPM

Indoor Air (Canister) Sample Collection Field Form

Project #	<u>452276</u>	Consultant	<u>Parsons</u>
Project Name	<u>Pine Ave RIFSIRM</u>	Collector	<u>M. Clark, J. Moffitt</u>

Sample ID	<u>2532-IA-01202023-04</u>	Vacuum gauge "zero" ("Hg)	<u>-0.5</u>
Start Date/Time	<u>01/19/2023 1053</u>	Start Pressure ("Hg)	<u>-30</u>
End Date/Time	<u>01/20/2023 1035</u>	End Pressure ("Hg)	<u>-4.1</u>
Canister ID	<u>BC 1314</u>	End pressure > "zero"?	<u>Yes</u>
Flow controller ID	<u>4827</u>	Sampling duration (intended)	<u>24</u>
Associated ambient air sample ID	<u>2532-OA-01202023-01</u>	Associated sub-slab vapor sample ID	<u>N/A</u>

Tubing type used	<u>None</u>	Length of tubing	<u>N/A</u> cm	Tubing volume	<u>N/A</u> cc
Volume purged	<u>N/A</u> cc @	<u>N/A</u> min	1 to 3 volumes purged @ < 200cc/min?		<u>N/A</u>

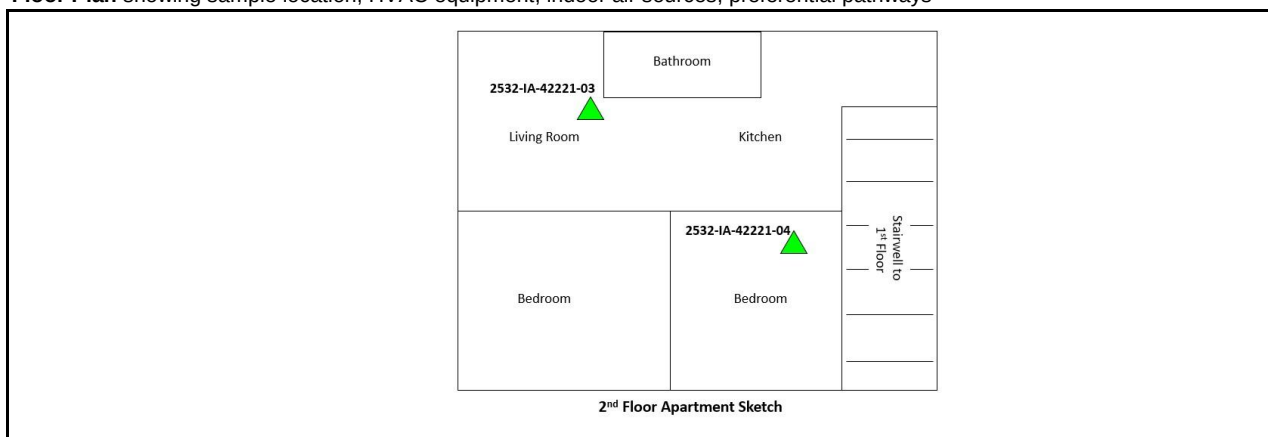
Weather Conditions at Start of Sampling:

Air temperature (°F)	<u>36</u>	Rainfall	<u>0</u>	Wind direction	<u>East</u>
Barometric pressure	<u>29.82</u>	Relative humidity	<u>93%</u>	Wind speed (mph)	<u>15 MPH</u>

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:
consistent, rain on and off

Indoor air temp (°F)	<u>Sensor not working</u>	Indoor relative humidity (%)	<u>NM</u>
Building Survey and Chemical Inventory Form Completed?	<u>Y</u>	Photograph IDs	<u>NA</u>

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: In living room on end table next to balcony, 43" off ground 0 PPM in living room

Indoor Air (Canister) Sample Collection Field Form

Project #	<u>452276</u>	Consultant	<u>Parsons</u>
Project Name	<u>Pine Ave RIFSIRM</u>	Collector	<u>M. Clark, J. Moffitt</u>

Sample ID	<u>2532-IA-01202023-05</u>	Vacuum gauge "zero" ("Hg)	<u>-0</u>
Start Date/Time	<u>01/19/2023 1047</u>	Start Pressure ("Hg)	<u>-28.5</u>
End Date/Time	<u>01/20/2023 1029</u>	End Pressure ("Hg)	<u>-8.5</u>
Canister ID	<u>BC 1995</u>	End pressure > "zero"?	<u>Yes</u>
Flow controller ID	<u>3690</u>	Sampling duration (intended)	<u>24</u>
Associated ambient air sample ID	<u>2532-OA-01202023-01</u>	Associated sub-slab vapor sample ID	<u>N/A</u>

Tubing type used	<u>None</u>	Length of tubing	<u>N/A</u> cm	Tubing volume	<u>N/A</u> cc
Volume purged	<u>N/A</u> cc @	<u>N/A</u> min	1 to 3 volumes purged @ < 200cc/min?		<u>N/A</u>

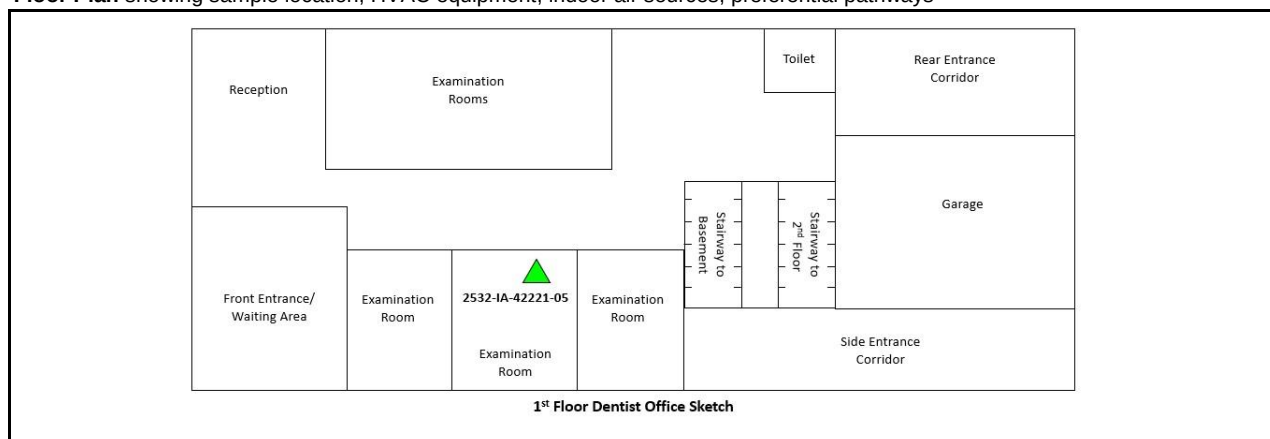
Weather Conditions at Start of Sampling:

Air temperature (°F)	<u>36</u>	Rainfall	<u>0.2"</u>	Wind direction	<u>East</u>
Barometric pressure	<u>29.82</u>	Relative humidity	<u>93%</u>	Wind speed (mph)	<u>15</u>

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:
consistent, rain off and on

Indoor air temp (°F)	<u>71</u>	Indoor relative humidity (%)	<u>NM</u>
Building Survey and Chemical Inventory Form Completed?	<u>Y</u>	Photograph IDs	<u>NA</u>

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: on chair in exam room, 34" off ground 3.4 PPM in room @ set up

Indoor Air (Canister) Sample Collection Field Form

Project #	452276.03010	Consultant	PARSONS
Project Name	Pine Ave RI Phase II	Collector	M. Hambrick, T. Schweigel

Sample ID	2532-IA-042324-01	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	04/23/2024 1025	Start Pressure ("Hg)	28
End Date/Time	04/24/2024 1105	End Pressure ("Hg)	7
Canister ID	BCP3606 (serial # C11525)	End pressure > "zero"?	No
Flow controller ID	BC 3727	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-042324-01	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

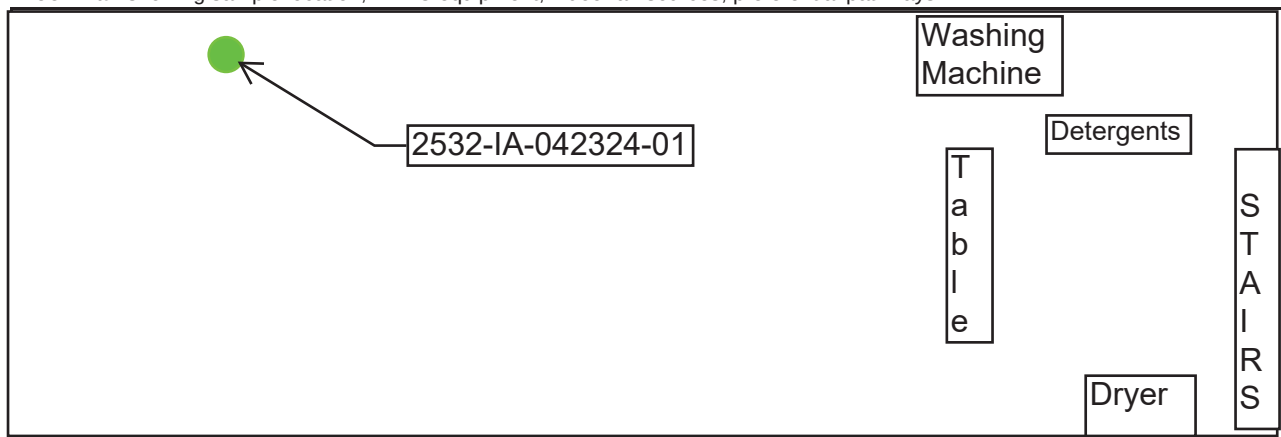
Weather Conditions at Start of Sampling:

Air temperature (°F)	65°F	Rainfall	none	Wind direction	SSW
Barometric pressure	1011-	Relative humidity	NM	Wind speed (mph)	14

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Indoor air temp (°F)	65	Indoor relative humidity (%)	NM
Building Survey and Chemical Inventory Form Completed?		Photograph IDs	2532-IA-042324-01

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: sweet "laundry" smell

47°F outside, rain overnight

Indoor Air (Canister) Sample Collection Field Form

Project #	452276.03010	Consultant	PARSONS
Project Name	Pine Ave RI Phase II	Collector	M. Hambrick, T. Schweigel

Sample ID	2532-IA-042324-02, 2532-IA-042324-03	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	04/23/2024 1105	Start Pressure ("Hg)	24
End Date/Time	04/24/2024 0915	End Pressure ("Hg)	0.9
Canister ID	2182 (P), 1830 (D)	End pressure > "zero"?	No
Flow controller ID	BC3234	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-042324-01	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

Weather Conditions at Start of Sampling:

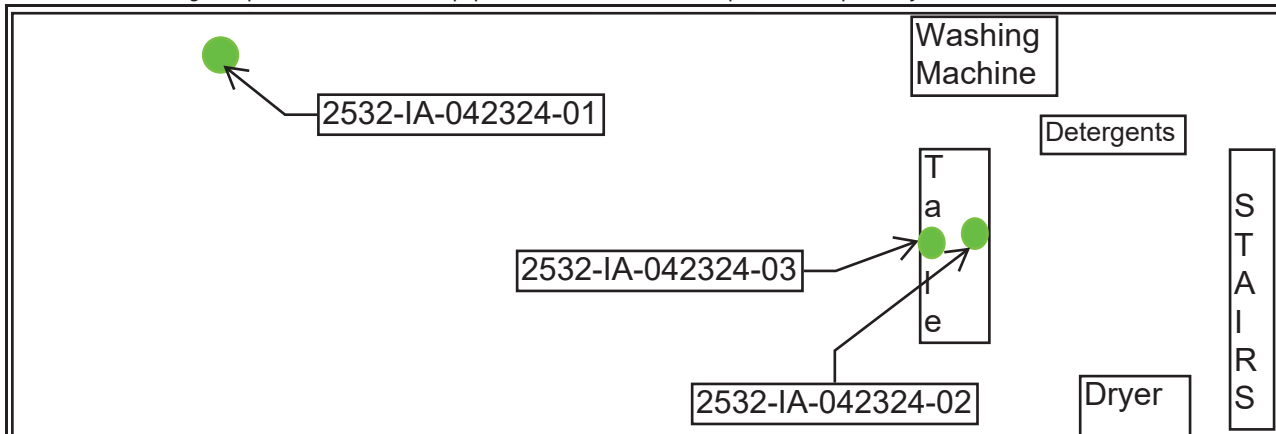
Air temperature (°F)	65	Rainfall	none	Wind direction	SSW
Barometric pressure	1011-	Relative humidity	NM	Wind speed (mph)	14

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

rain outside (>0.5"), baro = 1009-, 47°F

Indoor air temp (°F)	65	Indoor relative humidity (%)	NM
Building Survey and Chemical Inventory Form Completed?		Photograph IDs	2532-IA-042324-02, 2532-IA-042324-03

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: came inside @ 0910 am, gauge nearing zero, turned off and ended sample to ensure accurate sample collection @ 0.9" Hg

Indoor Air (Canister) Sample Collection Field Form

Project #	452276.03010	Consultant	PARSONS
Project Name	Pine Ave RI Phase II	Collector	M. Hambrick, T. Schweigel

Sample ID	2532-IA-042324-04	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	04/23/24 1110	Start Pressure ("Hg)	29
End Date/Time	04/24/2024 1110	End Pressure ("Hg)	4
Canister ID	1976	End pressure > "zero"?	No
Flow controller ID	BC 3462	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-042324-01	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

Weather Conditions at Start of Sampling:

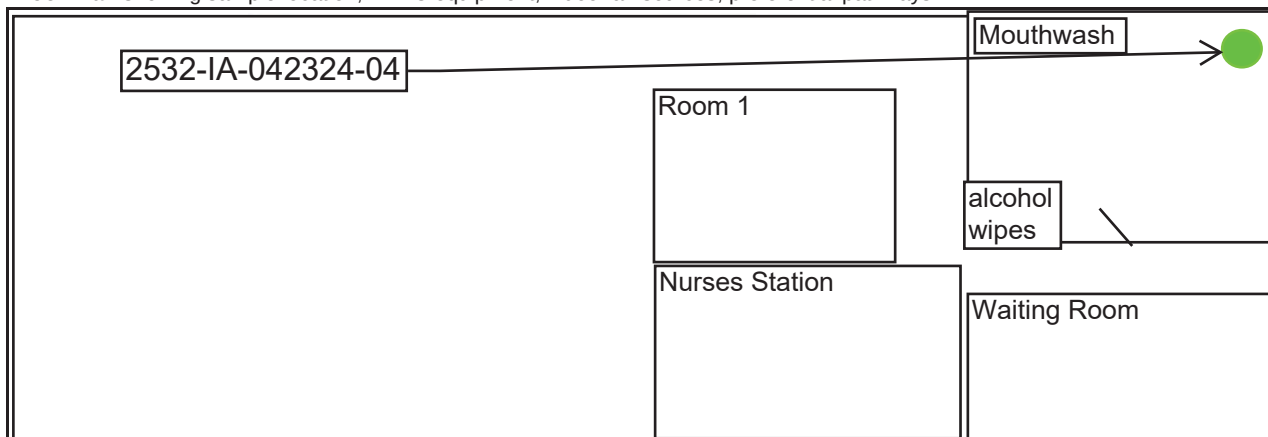
Air temperature (°F)	65	Rainfall	none	Wind direction	SSW
Barometric pressure	1011-	Relative humidity	NM	Wind speed (mph)	14

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

rain, 47°F

Indoor air temp (°F)	65	Indoor relative humidity (%)	NA
Building Survey and Chemical Inventory Form Completed?		Photograph IDs	2532-IA-042324-04

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: alcohol cleaner smell, toner cartridges, mouthwash, smells like a dentists office (toothpaste and minty) upon pickup of sample, drillwork on dentistry being complete. unique order

Indoor Air (Canister) Sample Collection Field Form

Project #	452276.03010	Consultant	PARSONS
Project Name	Pine Ave RI Phase II	Collector	M. Hambrick, T. Schweigel

Sample ID	2532-IA-042324-05	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	04/23/2024 1120	Start Pressure ("Hg)	30
End Date/Time	04/24/2024 1130	End Pressure ("Hg)	11
Canister ID	1801	End pressure > "zero"?	No
Flow controller ID	BC 3728	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-042324-01	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

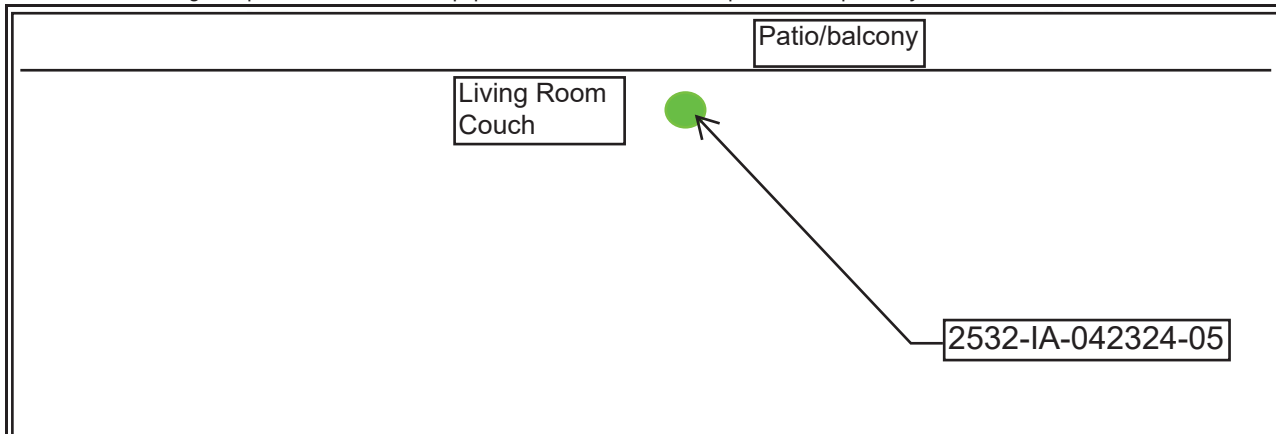
Weather Conditions at Start of Sampling:

Air temperature (°F)	65	Rainfall	none	Wind direction	SSW
Barometric pressure	1011-	Relative humidity	NM	Wind speed (mph)	16

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Indoor air temp (°F)	65	Indoor relative humidity (%)	NA
Building Survey and Chemical Inventory Form Completed?		Photograph IDs	2532-IA-042324-05

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: rain overnight, 50°F

Indoor Air (Canister) Sample Collection Field Form

Project #	452276.03010	Consultant	PARSONS
Project Name	Pine Ave RI Phase II	Collector	M. Hambrick, T. Schweigel

Sample ID	2532-IA-042324-06	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	04/23/2024 1125	Start Pressure ("Hg)	30
End Date/Time	04/24/2024 1135	End Pressure ("Hg)	9.8
Canister ID	BC 2044	End pressure > "zero"?	No
Flow controller ID	BC 3355	Sampling duration (intended)	24
Associated ambient air sample ID	2532-OA-042324-01	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

Weather Conditions at Start of Sampling:

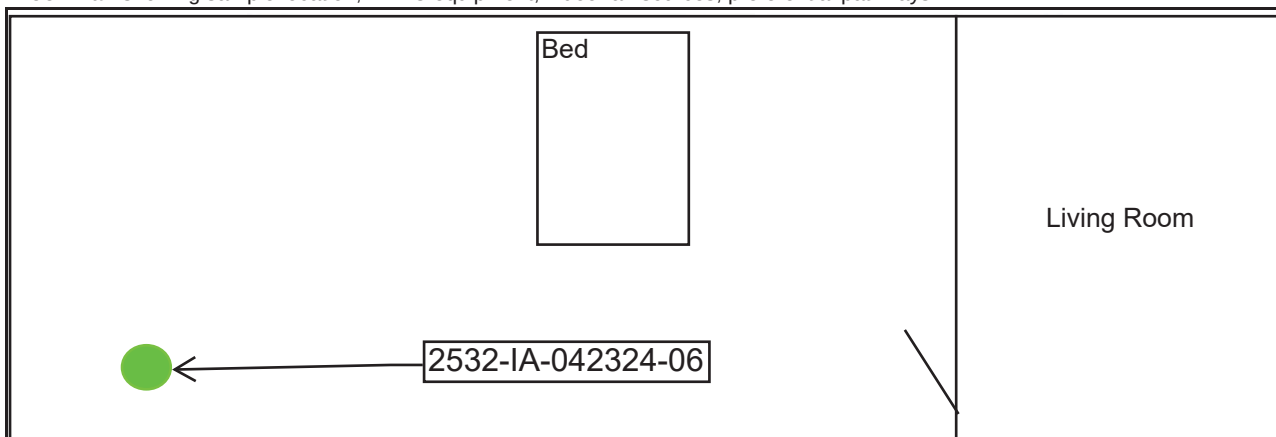
Air temperature (°F)	65	Rainfall	none	Wind direction	SSW
Barometric pressure	1011-	Relative humidity	NM	Wind speed (mph)	14

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

rain, 50°F

Indoor air temp (°F)		Indoor relative humidity (%)	
Building Survey and Chemical Inventory Form Completed?		Photograph IDs	2532-IA-042324-06

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: cats and vape seen

Indoor Air (Canister) Sample Collection Field Form

Project #	452276.03010	Consultant	PARSONS
Project Name	Pine Ave RI Phase II	Collector	M. Hambrick, T. Schweigel

Sample ID	2532-OA-042324-01	Vacuum gauge "zero" ("Hg)	0
Start Date/Time	04/23/2024 1315	Start Pressure ("Hg)	28.9
End Date/Time	04/24/2024 1415	End Pressure ("Hg)	8.7
Canister ID	2487	End pressure > "zero"?	No
Flow controller ID	3454	Sampling duration (intended)	24
Associated ambient air sample ID	-	Associated sub-slab vapor sample ID	NA

Tubing type used	NA	Length of tubing	NA	cm	Tubing volume	NA	cc
Volume purged	NA	cc @	NA	min	1 to 3 volumes purged @ < 200cc/min?	NA	

Weather Conditions at Start of Sampling:

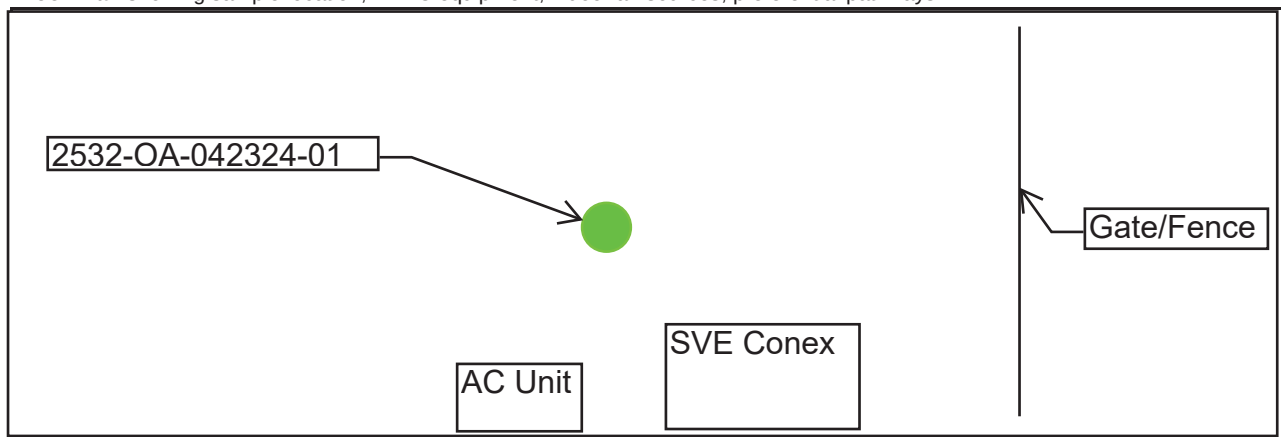
Air temperature (°F)	62°F	Rainfall	none	Wind direction	SSW
Barometric pressure	1010-	Relative humidity	NM	Wind speed (mph)	15

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

45-57°F, light rainfall overnight baro 1009- to 1014+

Indoor air temp (°F)		Indoor relative humidity (%)	
Building Survey and Chemical Inventory Form Completed?		Photograph IDs	2532-OA-042324-01

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: _____

APPENDIX G - WASTE MANIFESTS

Please print or type

BILL OF LADING		1. Document No. BUF9871		2. Page 1 of 1	
3. Offeror Name and Mailing Address Parsons Engineering 301 PLAINFIELD SUITE 350 SYRACUSE, NY 13212		Site Address NYSDEC site-Pine Avenue-Niagara Falls NY 2532 PINE AVE NIAGARA FALLS, NY 14081			
4. Offeror Phone (717-717-7171)					
5. Transporter 1 Company Name MILLER ENVIRONMENTAL GROUP, INC		6. EPA ID # NYD986908085		A. State Transporter's ID 97870 NJ PP	
7. Transporter 2 Company Name		8. EPA ID #		B. Transporter 1 Phone 800-394-8606	
9. Designated Facility Name and Site Address CYCLE CHEM, INC 217 SOUTH FIRST ST. ELIZABETH, NJ 07206 HM		10. EPA ID # NJD002200046		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone 908-355-5800	
11. Shipping Name		12. Containers No. Type		13. Total Quantity	
a. NON-RCRA, NON-DOT, LIQUID N.O.S. (PCE/TCE IMPACTED WATER)		2 DM		G	
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above Document # D47125 Job #: NY16240224 PO #: 38090 24-hour Emergency Number: 800-394-8606 1) APP# _____ 2 X 55GAL					
15. Special Handling Instructions and Additional Information					
16. OFFEROR CERTIFICATION: I hereby 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 regulation of the Department of Transportation. The materials described on this document are not subject to federal uniform hazardous waste manifest requirements.					
Printed/Typed Name Taylor Schwigel as agent of NYSDEC		Signature <i>Taylor Schwigel</i>		Date Month Day Year 07/30/24	
17. Transporter 1 Acknowledgment of Receipt of Materials		Signature <i>M.D. Fuller</i>		Date Month Day Year 07/30/24	
18. Transporter 2 Acknowledgment of Receipt of Materials		Signature		Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.					
Printed/Typed Name		Signature		Date Month Day Year	

GENERATOR

BILL OF LADING

TRANSPORTER

FACILITY

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYR000170070		2. Page 1 of 3		3. Emergency Response Phone 800-394-8606		4. Manifest Tracking Number 014281006		FLE	
5. Generator's Name and Mailing Address Parsons Engineering 301 PLAINFIELD SUITE 350 SYRACUSE, NY 13212 717-717-7171						Generator's Site Address (if different than mailing address) NYSDEC site Pine Avenue Niagara Falls NY 2532 PINE AVE NIAGARA FALLS, NY 14081					
Generator's Phone:											
6. Transporter 1 Company Name MILLER ENVIRONMENTAL GROUP, INC						U.S. EPA ID Number NYD986908085					
7. Transporter 2 Company Name						U.S. EPA ID Number					
8. Designated Facility Name and Site Address CYCLE CHEM, INC. 217 SOUTH FIRST ST. ELIZABETH, NJ 07206 908-355-5800						U.S. EPA ID Number NJD002200045					
Facility's Phone:											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
						No.	Type				
	1.	UN3082, Waste Environmentally hazardous substances, liquid, n.o.s. (Tetrachloroethylene), 9. H, RQ				002	DM	300	2	P	D033
	2.										
	3.										
	4.										
14. Special Handling Instructions and Additional Information Document# D47504 Job#: NY16240055 PO#: 38090 1) APP#1006477-WR3 ERG#171 2 X 55 gal											
15. 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. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offor's Printed/Typed Name Taylor Schweigel as agent of NYSDEC						Signature Taylor Schweigel		Month Day Year 08/12/24			
TRANSPORTER	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:										
	Transporter signature (for exports only):										
	17. Transporter Acknowledgment of Receipt of Materials										
	Transporter 1 Printed/Typed Name Marvin Dennis Feller					Signature MDF		Month Day Year 08/12/24			
	Transporter 2 Printed/Typed Name					Signature		Month Day Year			
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection										
	Manifest Reference Number:										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number										
	Facility's Phone:										
	18c. Signature of Alternate Facility (or Generator)								Month Day Year		
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
	1.	2.	3.	4.							
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
	Printed/Typed Name K. W. W. W.					Signature K. W. W. W.		Month Day Year 08/14/24			

Please print or type.

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYR000170870	2. Page 1 of	3. Emergency Response Phone 800-394-6808	4. Manifest Tracking Number 014281032 FLE
5. Generator's Name and Mailing Address Parsons Engineering 301 PLAINFIELD SUITE 360 SYRACUSE, NY 13212		Generator's Site Address (if different than mailing address) NYSDEC site Pine Avenue-Niagara Falls NY 2532 PINE AVE NIAGARA FALLS, NY 14081			
Generator's Phone: 717-717-7171					
6. Transporter 1 Company Name MILLER ENVIRONMENTAL GROUP, INC.		U.S. EPA ID Number NYD988908085			
7. Transporter 2 Company Name		U.S. EPA ID Number			
8. Designated Facility Name and Site Address CYCLE CHEM, INC. 217 SOUTH FIRST ST. ELIZABETH, NJ 07206		U.S. EPA ID Number NJD002200048			
Facility's Phone: 908-358-5900					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1	UN3082, Waste Environmentally hazardous substances, liquid, n.o.s. (Tetrachloroethylene), 9, III, RQ	003 021 DM	169 1-145	G	9000 2440 EPA 7004
2					
3					
4					
14. Special Handling Instructions and Additional Information Document# D43811 Job#: NY18240055 PC#: 22148 1) APP# 289976-LS ERG#171 21x55gal					
15. 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/packaged, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export-shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Officer's Printed/Typed Name Hannah Annunziata as agent of NYSDEC		Signature <i>[Signature]</i>		Month Day Year 02 26 24	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:			
Transporter signature (for exports only):					
17. Transporter Acknowledgment of Receipt of Materials		Signature		Month Day Year	
Transporter 1 Printed/Typed Name David Ingram		<i>[Signature]</i>		02 26 24	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
18. Discrepancy					
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection		Manifest Reference Number: U.S. EPA ID Number			
18b. Alternate Facility (or Generator)					
Facility's Phone:				Month Day Year	
18c. Signature of Alternate Facility (or Generator)					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
1.	2.	3.	4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a					
Printed/Typed Name		Signature		Month Day Year	

GENERATOR'S INITIAL COPY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 800-535-5053	4. Waste Tracking Number 52805																										
	5. Generator's Name and Mailing Address NYSDEC Time 1-Hour Cleaners 2526-2532 Pine Avenue Niagara Falls, NY 14301 Generator's Phone: 954.551.7218																													
6. Transporter 1 Company Name Environmental Service Group, Inc			716.695.6720	U.S. EPA ID Number NYD986903904																										
7. Transporter 2 Company Name			U.S. EPA ID Number																											
8. Designated Facility Name and Site Address American Recyclers Company 177 Wales Avenue Tonawanda, NY 14150 Facility's Phone: 716.695.6720			U.S. EPA ID Number NYR000030809																											
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.																									
		No.	Type																											
1. Non RCRA Non DOT Regulated , (PPE/Plastic)		002	DM	100	P																									
2. Non RCRA Non DOT Regulated, (Soil Cuttings)		D17	DM	6800	P																									
3.																														
4.																														
13. Special Handling Instructions and Additional Information <table style="width:100%;"><tr><td style="width:15%;">ERG:</td><td style="width:15%;">Approval #:</td><td style="width:15%;">Handling Codes:</td><td colspan="2" style="width:40%;">24 Hour Emergency Contact:</td></tr><tr><td>1 -</td><td>1 - X-23331L</td><td>1 - None</td><td colspan="2">INFOTRAC (Caller Must ID</td></tr><tr><td>2 -</td><td>2 - A-23332L</td><td>2 - None</td><td colspan="2">ESG)</td></tr><tr><td>3 -</td><td>3 -</td><td>3 -</td><td colspan="2"></td></tr><tr><td>4 -</td><td>4 -</td><td>4 -</td><td colspan="2"></td></tr></table>						ERG:	Approval #:	Handling Codes:	24 Hour Emergency Contact:		1 -	1 - X-23331L	1 - None	INFOTRAC (Caller Must ID		2 -	2 - A-23332L	2 - None	ESG)		3 -	3 -	3 -			4 -	4 -	4 -		
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14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. Generator's/Officer's Printed/Typed Name Barbara Delaney on behalf of NYSDEC Signature Barbara Delaney Month 12 Day 15 Year 23																														
INT'L	15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____																													
	16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Richard Everage Signature Richard Everage Month 12 Day 15 Year 23 Transporter 2 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____																													
TRANSPORTER	17. Discrepancy																													
	17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection Manifest Reference Number: _____ U.S. EPA ID Number _____																													
	17b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____																													
DESIGNATED FACILITY	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 Justin Rainville Signature Justin Rainville Month 12 Day 15 Year 23																													

APPENDIX H - DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

TIME 1-HOUR CLEANERS SITE

SITE NUMBER 932158

Prepared For:



New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7012

Prepared By:



301 Plainfield Road, Suite 350
Syracuse, New York 13212

AUGUST 2024

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ATTACHMENT A – VALIDATED LABORATORY DATA

Attachment A-1 Validated Laboratory Data for Air Samples

Attachment A-2 Validated Laboratory Data for Soil Samples

Attachment A-3 Validated Laboratory Data for Groundwater Samples

SECTION 1 DATA USABILITY SUMMARY

Air, soil, and groundwater samples were collected from the Time 1-Hour Cleaners site on November 2, 2023 through May 31, 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 Pace – New England (Pace). 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 5-62 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 four days of sampling. All samples were received intact and in good condition at the laboratory.

1.3 Laboratory Analytical Methods

The air samples that were collected from the site were analyzed for volatile organic compounds (VOCs). The soil samples that were collected from the site were analyzed for VOCs, semivolatile organic compounds (SVOCs), 1,4-dioxane, pesticides, polychlorinated biphenyls (PCBs), herbicides, per- and polyfluoroalkyl substances (PFAS), metals, and cyanide. The groundwater samples that were collected from the site were analyzed for VOCs, SVOCs, 1,4-dioxane, pesticides, PCBs, herbicides, PFAS, metals, cyanide, total and dissolved manganese, dissolved gases, chloride, sulfate, nitrate, nitrite, nitrate-nitrite, total organic carbon (TOC), and sulfide. 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 TO-15 (air samples) and USEPA SW-846 8260D analytical methods. Groundwater samples were additionally analyzed for the dissolved gases methane, ethane, and ethene (MEE) using the USEPA approved SOP RSK-175. 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, and instrument calibrations; 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 8270E/8270E SIM analytical method. Certain reported results for these samples were qualified as estimated based upon surrogate recoveries, MS/MSD recoveries, LCS recoveries, and instrument calibrations. 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 Pesticide, PCB, and Herbicide Organic Analysis

The project samples were analyzed for pesticides, PCBs, and herbicides using the USEPA SW-846 8081B, 8082A, and 8151A analytical methods, respectively. Certain reported results for these samples were qualified as estimated based upon instrument calibrations. The reported pesticide, PCB, and herbicide 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 holding times, surrogate recoveries, and instrument calibrations; 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 and cyanide using the USEPA SW-846 6010D, 7470A, 7471B, and 9014 analytical methods. Certain reported results for these samples were qualified as estimated based upon MS/MSD recoveries, LCS recoveries, and laboratory duplicate precision. 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

Groundwater samples were analyzed for chloride, sulfate, nitrate, nitrite, and nitrate-nitrite using the USEPA 300.0 analytical method; TOC using the SM5310B analytical method; and sulfide using the SM4500 analytical method. The reported results for these samples did not require qualification resulting from data validation. 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 Air Samples

Data review has been completed for data packages containing air samples collected from the site. Analytical results from these samples were contained within sample delivery group (SDG) 24D3076. All of these samples were 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 data review, the USEPA Region II SOPs for organic data review, and the analytical method. The validated laboratory data are presented in Attachment A-1. 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
- Laboratory control sample (LCS) recoveries
- Laboratory method blank contamination
- 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 LCS recoveries and continuing calibrations as discussed below.

LCS Recoveries

All LCS recoveries were considered acceptable and within the 70-130%R QC limit with the exception of the low LCS recoveries for benzene (61.3%R, 67.1%R), benzyl chloride (-54.0%R, 54.7%R), and naphthalene (64.1%R, 65.5%R) associated with all samples. Therefore, results for these compounds were considered estimated, possibly biased low, with positive results qualified “J-” and nondetected results qualified “UJ” 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 $\pm 30\%$ with the exception of benzene (-35.1%D, -35.4%D), benzyl chloride (-33.4%D, -35.4%D), and carbon tetrachloride (-31.5%D, -34.2%D) in the continuing calibrations associated with all samples. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

It was noted that ethanol exceeded instrument calibration ranges in all samples except 2532-OA-042324-01. Therefore, ethanol results were considered estimated and qualified “J” for the affected samples.

Usability

All volatile air 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 air data presented by the laboratory were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A-1.

2.2 Soil Samples

Data review has been completed for data packages containing soil samples collected from the site. Analytical results from these samples were contained within sample delivery groups (SDGs) 23K0546, 23K0547, 23K0684, 23K0716, 23K1132, 23K1136, 23K1141, 23K1144, 23K1566, 23K1571, 23K1573, 23K1575, 23K1769, 23K1787, 23K2025, 23K2035, 23K2294, 23K2296, 23K2477, and 23K2479. 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-2. 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.

2.2.1 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 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, 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 and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy results for chloroethane, chloromethane, 1,2-dibromo-3-chloropropane,

dichlorodifluoromethane, tetrachloroethene, trichlorofluoromethane, and vinyl chloride during the spiked analyses of sample with lab ID 23K1136-01; and the high MS/MSD accuracy results for tetrachloroethene during the spiked analyses of sample with lab ID 23K2294-01. Therefore, positive results for these compounds were considered estimated and qualified “J” 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 bromomethane (146%R, 161%R, 141%R, 157%R, 147%R, 153%R, 181%R, 170%R; QC limit 40-130%R) and chloroethane (136%R, 141%R, 131%R, 134%R, 132%R; QC limit 70-130%R) associated with samples in SDGs 23K0546, 2431769, 23K2025, and 23K2477; bromomethane (162%R, 185%R, 154%R, 172%R; QC limit 40-130%R), chloroethane (146%R, 165%R, 141%R, 149%R; QC limit 70-130%R), and trichlorofluoromethane (138%R, 132%R; QC limit 70-130%R) associated with sample with lab ID 23K0684-04 and with samples in SDGs 23K1132 and 23K1136; acetone (67.9%R, 69.5%R; QC limit 70-160%R) and chloromethane (68.3%R; QC limit 70-130%R) associated with samples with lab IDs 23K0684-01 and -02; bromomethane (141%R, 144%R; QC limit 40-130%R), cyclohexane (68.1%R; QC limit 70-130%R), and 1,2-dibromo-3-chloropropane (67.1%R; QC limit 70-130%R) associated with samples in SDGs 23K1566 and 23K1571; and bromomethane (156%R, 141%R; QC limit 40-130%R) associated with samples in SDG 23K2294. Validation qualification was not required for the affected samples where LCS recoveries exceeded the QC limit. However, results for those compounds where LCS recoveries fell below the QC limit which were nondetects were considered estimated and qualified “UJ” 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 $\pm 20\%$ with the exception of bromomethane (52.7%D, 84.9%D), chloroethane (36.7%D, 48.5%D), 1,2-dibromo-3-chloropropane (-24.8%D, -29.3%D), and trichlorofluoromethane (23.6%D, 30.7%D) associated with samples in SDGs 23K0546 and 23K1769; bromomethane (61.3%D), chloroethane (46.0%D), cyclohexane (-24.1%D), 1,2-dibromo-3-chloropropane (-26.5%D), and trichlorofluoromethane (26.0%D) in the continuing calibration associated with sample with lab ID 23K0684-04; bromomethane (30.3%D) in the continuing calibration associated with sample with lab ID 23K0684-03; acetone (-28.4%D), bromomethane (24.4%D), 1,2-dibromo-3-chloropropane (-24.5%D), 2-hexanone (-21.3%D), and 4-methyl-2-pentanone (-22.3%D) in the continuing calibration in samples with lab IDs 23K0684-01 and -02; bromomethane (53.3%D), chloroethane (28.4%D), cyclohexane (-22.5%D), and 1,2-dibromo-3-chloropropane (-31.6%D) in the continuing calibration associated with samples in SDGs 23K1132 and 23K1136; bromomethane (49.0%D), cyclohexane (-22.8%D), 1,2-dibromo-3-chloropropane (-26.5%D), chloroethane (32.6%D), and methyl tert-butyl ether (-22.2%D) in the continuing calibration associated with samples in SDGs 23K1566 and 23K1571; bromomethane (44.6%D), cyclohexane (-24.1%D), 1,2-dibromo-3-chloropropane (-24.0%D), and dichlorodifluoromethane (-26.0%D) in the continuing calibration associated with samples in SDG 23K2025; bromomethane (40.8%D), cyclohexane (-25.5%D), 1,2-dibromo-3-chloropropane (-26.2%D), dichlorodifluoromethane (-27.9%D), methyl tert-butyl ether (-22.1%D), and tetrachloroethene (21.5%D) in the continuing calibration associated with samples in SDG 23K2294; and bromomethane (81.9%D), chloroethane (37.5%D), chloromethane (22.8%D), and trichlorofluoromethane (21.2%D) in the continuing calibration associated with samples in SDG 23K2477. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

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-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 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, and continuing calibrations 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 2,4,6-tribromophenol (QC limit 30-130%R) in samples with lab IDs 23K2294-03 (25.4%R), 23K2477-03 (17.4%R), and -05 (23.1%R); 2-fluorophenol (QC limit 30-130%R) and phenol-d8 (QC limit 30-130%R) in sample with lab ID 23K2477-03 (27.1%R and 28.4%R, respectively); and all surrogates in samples with lab IDs 23K2477-02 and -04. Therefore, the acid fraction results which were nondetects were considered estimated and qualified "UJ" for sample with lab ID 23K2477-03. All results which were nondetects were considered estimated and qualified "UJ" for samples with lab IDs 23K2477-02 and -04. Validation qualification was not required for the remaining samples.

It was noted that sample with lab ID 232294-03 recovered the surrogate 1,4-dioxane-d8 (QC limit 15-110%R) at 0.69% (i.e., less than 10%). This sample was re-extracted past the holding time requirement and yielded surrogate recoveries within criteria with similar results. Therefore, the original sample 1,4-dioxane result was reported which was nondetect and qualified "UJ" for the affected sample.

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 hexachlorocyclopentadiene during the spiked analyses of sample with lab ID 23K1136-01; and the low MS/MSD accuracy results for benzaldehyde, 4-chloroaniline, 3,3'-dichlorobenzidine, and hexachlorocyclopentadiene during the spiked analyses of sample with lab ID 23K2294-01. Therefore, results for these compounds 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 benzaldehyde (39.3%R; QC limit 40-140%R) associated with samples in SDG 23K0546; benzaldehyde (37.4%R, 17.3%R; QC limit 40-140%R) and hexachloroethane (39.5%R; QC limit 40-140%R) associated with samples in SDGs 23K1566 and 23K1571; and benzaldehyde (35.1%R, 33.9%R, 33.6%R, 31.2%R; QC limit 40-140%R) associated with samples in SDGs 23K1769, 23K2025, 23K2294, and 23K2477. Therefore, results for these compounds considered estimated, possibly biased low, with positive results qualified “J-” and nondetected results qualified “UJ” 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 $\pm 20\%$ with the exception of hexachlorocyclopentadiene (24.2%D), atrazine (31.5%D), and caprolactam (37.2%D) in the continuing calibration associated with samples in SDG 23K0546; indeno(1,2,3-cd)pyrene (21.8%D), N-nitrosodiphenylamine (22.7%D), and caprolactam (20.7%D) in the continuing calibration associated with samples in SDG 23K0684; bis(2-chloroisopropyl)ether (26.3%D), 2,4-dinitrophenol (-27.5%D), hexachlorocyclopentadiene (-39.7%D), 2-nitroaniline (22.2%D), atrazine (36.8%D), and caprolactam (22.3%R) in the continuing calibration associated with samples in SDG 23K1132 and with sample with lab ID 23K1136-01; bis(2-chloroisopropyl)ether (23.7%D), hexachlorocyclopentadiene (-39.5%D), 2-nitroaniline (29.6%D), 4-nitrophenol (24.5%D), atrazine (21.3%D), and caprolactam (21.3%R) in the continuing calibration associated with samples with lab IDs 23K1136-02 and -03; atrazine (28.1%D) and caprolactam (24.8%D) in the continuing calibration associated with samples in SDGs 23K1566 and 23K1571; benzaldehyde (22.9%D) and caprolactam (25.2%D) in the continuing calibration associated with samples in SDGs 23K1769 and 23K2025; and di-n-octylphthalate (24.0%D), atrazine (30.9%D), and caprolactam (34.5%D) in the continuing calibration associated with samples in SDGs 23K2294 and 23K2477. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

Usability

All semivolatile 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 semivolatile soil 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 Pesticide, PCB, and Herbicide

The following items were reviewed for compliancy in the pesticide, PCB, and herbicide 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
- Initial calibrations
- Verification calibrations
- 4,4'-DDT/endrin breakdown

- Chromatogram quality
- 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 with the exception of verification calibrations as discussed below.

Verification Calibrations

All continuing calibration verifications were compliant with percent differences (%Ds) within $\pm 20\%$ with the exception of alpha-BHC (20.2%D, 24.3%D) in the continuing calibration verification associated with samples in SDG 23K1769; and 4,4'-DDT (22.3%D, 23.3%D) in the continuing calibration verification associated with samples in SDG 23K2294. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All pesticide, PCB, and herbicide 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 pesticide, PCB, and herbicide soil data presented by the laboratory were 100% complete (i.e., usable). The validated pesticide, PCB, and herbicide 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 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, blank contamination, and continuing calibrations as discussed below.

Holding Times

The PFAS sample with lab ID 23K1141-02 and samples in SDG 23K1144 exceeded the 28-day extraction holding time criteria by two to seven days. Therefore, results were considered estimated, possibly biased low with positive results qualified “J-” and nondetected results qualified “UJ” for the affected samples.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the low surrogate recoveries for 13C2-4:2 FTS (QC limit 60-200%R) in samples with lab IDs 23K1141-01 (55.0%R), 23K1144-01 (51.9%R), -03 (55.8%R), 23K1573-01 (59.0%R), -02 (51.6%R), 23K1575-01 (53.6%R), -02 (55.6%R), -03 (53.6%R), 23K2035-01 (55.6%R), 23K2296-01 (58.1%R), -04 (56.9%R), and 23K2479-02 (49.5%R); d3-NMeFOSA (QC limit 15-130%R) in sample with lab ID 23K1144-01 (8.57%R); and d5-NEtFOSA (QC limit 10-130%R) in sample with lab ID 23K1144-01 (3.84%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.

Blank Contamination

The laboratory method blanks associated with samples with lab IDs 23K1141-01, -03, and samples in SDGs 23K1573, 23K1575, 23K1787, 23K2296, and 23K2479 contained PFBA below the reporting limit at concentrations ranging 0.18-0.29 µg/kg. Therefore, results for this compound less than validation action concentrations were considered not detected and qualified “U” for the affected samples.

Continuing Calibrations

All continuing calibrations were considered acceptable with percent differences (%Ds) within $\pm 30\%$ for all compounds with the exception of PFDA (31.3%D), PFNS (36.0%D), PFDS (36.0%D), and PFDoS (43.3%D) in the continuing calibration associated with samples with lab IDs 23K1141-01, -03, and 23K1573-01; PFDoS (35.7%D) and PFMBa (31.0%D) in the continuing calibration associated with samples with lab IDs 23K1573-02, -03, and samples in SDGs 23K1575 and 23K1787; and 8:2 FTS (30.5%D) in the continuing calibration associated with samples with lab IDs 23K2479-01, -02, and -04. Therefore, results for these compounds were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” 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-2.

2.2.5 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 blank contamination, MS/MSD recoveries, LCS recoveries, and laboratory duplicate precision as discussed below.

Blank Contamination

The laboratory preparation blanks associated with samples in SDG 23K0546 contained copper at a concentration of 0.57 mg/kg; the laboratory preparation blank associated with samples in SDG 23K0684 contained manganese, calcium, iron, and copper below the reporting limit at concentrations of 0.22, 12, 3.7, and 0.16 mg/kg, respectively; the laboratory preparation blank associated with sample in SDG 23K1132 contained antimony, chromium, manganese, zinc, and copper at concentrations of 0.31, 0.21, 0.17, 4.0 and 1.8 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 23K1136 contained manganese and copper below the reporting limit at concentrations of 0.13 and 0.50 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 23K1566 contained chromium, manganese, and copper below the reporting limit at concentrations of 0.24, 0.20, and 0.17 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 23K1571 contained manganese, zinc, and copper at concentrations of 0.16, 0.87, and 0.86 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 23K1769 contained barium, manganese, and zinc below the reporting limit at concentrations of 0.37, 0.15, and 0.59 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 23K2025 contained calcium, iron, and manganese below the reporting limits at concentrations of 7.5, 7.2, and 0.15 mg/kg, respectively; the laboratory preparation blank associated with samples in SDG 23K2294 contained nickel and copper at concentrations of 0.22 and 0.83 mg/kg; and the laboratory preparation blank associated with samples in SDG 23K2477 contained calcium, iron, and manganese below the reporting limit at concentrations of 7.5, 7.2, and 0.15 mg/kg, respectively. Validation qualification was not required 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) with the exception of the MS/MSD recoveries for barium (74.4%R, 71.9%R), selenium (69.0%R), and antimony (14.7%R) associated with sample with lab ID 23K0684-01; antimony (14.4%R, 20.0%R), cobalt (181%R, 128%R), and thallium (62.7%R, 66.9%R) associated with sample with lab ID 23K1136-01; chromium (196%R), lead (74.3%R), selenium (72.3%R), sodium (126%R), thallium (59.4%R), and antimony (15.4%R) associated with sample with lab ID 23K1566-01; and antimony (26.0%R, 26.5%R), lead (131%R, 134%R), and thallium (74.8%R, 74%R) associated with sample with lab ID 23K2294-01. 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.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for mercury (161%R; QC limit 55-143.7%R) associated with samples in SDG 23K2477. Therefore, positive mercury results were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Laboratory Duplicate Precision

All laboratory duplicate precision results were considered acceptable and within the 0-35%RPD QC limit with the exception of the laboratory duplicate precision for lead (51.6%RPD) and calcium (40.0%RPD) associated with sample with lab ID 23K0684-01. Therefore, results for these analytes were considered estimated with positive results qualified “J” and nondetected results qualified “UJ” for the affected samples.

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-2.

2.3 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) 24D3027, 24D3282, 24E1945, 24E2164, and 24F0110. 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-3. This data validation and usability report is presented by analysis type.

2.3.1 Volatiles (Including MEE)

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 / trip blank contamination
- 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 results for methyl acetate, naphthalene, and tetrachloroethene during the spiked analyses of sample with lab ID 24D3027-03; and the low MS/MSD accuracy results for carbon disulfide during the spiked analyses of sample with lab ID 24D3282-01. Therefore, the results for these compounds 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 low LCS recoveries for carbon disulfide (67.8%R, 58.1%R, 62.4%R, 68.8%R, 66.4%R, 67.5%R; QC limit 70-130%R) associated with samples in SDGs 24D3282 and 24F0110. Therefore, results for this compound which were nondetects were considered estimated and qualified “UJ” for the affected samples.

Blank Contamination

The QC trip blank associated with samples in SDG 24D3027 contained acetone below the reporting limit at a concentration of 2.8 µg/L. Therefore, results for this compound 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 $\pm 20\%$ with the exception of acetone (-25.0%D), 2-butanone (-26.6%D), methyl acetate (-30.6%D), and trichlorofluoromethane (22.6%D) in the continuing calibration associated with samples in SDG 24D3027; carbon disulfide (-32.6%D), chloromethane (-25.4%D), and methylene chloride (-20.5%D) in the continuing calibration associated with samples in SDG 24D3282 except for sample with lab ID 24D3282-09; carbon disulfide (-36.0%D), bromochloromethane (24.9%D), bromomethane (31.0%D), and naphthalene (-34.4%D) in the continuing calibration associated with sample with lab ID 24D3282-09; and carbon disulfide (-30.1%D, -33.5%D) in the continuing calibrations associated with samples in SDG 24F0110. 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-3.

2.3.2 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 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 initial 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 results for caprolactam, hexachlorocyclopentadiene, and pyridine during the spiked analyses of sample with lab ID 24D3282-01. Therefore, the results for these compounds which were nondetects were 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 low LCS recoveries for caprolactam (26.3%R, 22.6%R; QC limit 40-140%R), hexachlorocyclopentadiene (23.6%R, 21.0%R; QC limit 30-140%R), hexachlorobutadiene (38.2%R; QC limit 40-140%R), and hexachloroethane (39.2%R; QC limit 40-140%R) associated with samples in SDGs 24D3027 and 24D3282. Therefore, results for these compounds which were nondetects were considered estimated and qualified “UJ” for the affected samples.

Blank Contamination

The laboratory method blank associated with samples in SDG 24D3027 and with samples with lab IDs 24D3282-01 and -02 contained 1,4-dioxane below the reporting limit at a concentration of 0.14 µg/L; and the QC equipment blank associated with samples in SDG 24D3282 contained phenol below the reporting limit at a concentration of 2.6 µg/L. Validation qualification was not required 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 percent relative standard deviations (%RSDs) of 20% with the exception of 2,4-dinitrophenol (29.7%RSD) and di-n-octylphthalate (26.3%RSD) in the initial calibration associated with samples in SDGs 24D3027 and 24D3282. 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 aniline (-38.7%D) and 2,3,4,6-tetrachlorophenol (68.0%D) in the continuing calibration associated with samples in SDGs 24D3027 and 24D3282. Therefore, results for this compound 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-3.

2.3.3 Pesticide, PCB, and Herbicide

The following items were reviewed for compliancy in the pesticide, PCB, and herbicide 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 contamination
- Initial calibrations
- Verification calibrations
- 4,4'-DDT/endrin breakdown
- Chromatogram quality
- 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 pesticide, PCB, and herbicide 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 pesticide, PCB, and herbicide groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated pesticide, PCB, and herbicide laboratory data are tabulated and presented in Attachment A-3.

2.3.4 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/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 LCS recoveries and blank contamination as discussed below.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high CRDL LCS recovery for 6:2 FTS (410%R; QC limit 48-158%R) associated with samples in SDG 24D3027. Validation qualification was not required for the affected samples.

Blank Contamination

The laboratory method blank associated with samples in SDG 24D3027 contained 6:2 FTS at a concentration of 7.7 ng/L. Validation qualification was not required 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-3.

2.3.5 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 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 blank contamination as discussed below.

Blank Contamination

The QC equipment blank associated with samples in SDG 24D3282 contained sodium at a concentration of 4.7 mg/L. Validation qualification was not required for the affected samples.

Usability

All inorganic 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 inorganic groundwater data presented by the laboratory were 100% complete (i.e., usable). The validated metals laboratory data are tabulated and presented in Attachment A-3.

2.3.6 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 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.

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-3.

ATTACHMENT A – VALIDATED LABORATORY DATA

ATTACHMENT A-1 VALIDATED LABORATORY DATA FOR AIR SAMPLES

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code				2532-IA 2532-IA-042324-01 AI 24D3076-01 24D3076 4/24/2024 N	2532-IA 2532-IA-042324-02 AI 24D3076-02 24D3076 4/24/2024 N	2532-IA 2532-IA-042324-03 AI 24D3076-03 24D3076 4/24/2024 FD	2532-IA 2532-IA-042324-04 AI 24D3076-04 24D3076 4/24/2024 N	2532-IA 2532-IA-042324-05 AI 24D3076-05 24D3076 4/24/2024 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TO15	1,1,1-Trichloroethane (TCA)	71-55-6	T	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U
TO15	1,1,2,2-Tetrachloroethane	79-34-5	T	ug/m3	0.24 U	0.24 U	0.24 U	0.24 U
TO15	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	T	ug/m3	0.4 J	0.41 J	0.38 J	0.4 J
TO15	1,1,2-Trichloroethane	79-00-5	T	ug/m3	0.19 U	0.19 U	0.19 U	0.19 U
TO15	1,1-Dichloroethane	75-34-3	T	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
TO15	1,1-Dichloroethene	75-35-4	T	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
TO15	1,2,4-Trichlorobenzene	120-82-1	T	ug/m3	0.52 U	0.52 U	0.46 J	0.52 U
TO15	1,2,4-Trimethylbenzene	95-63-6	T	ug/m3	3.6	3.9	3.9	0.6
TO15	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	T	ug/m3	0.27 U	0.27 U	0.27 U	0.27 U
TO15	1,2-Dichlorobenzene	95-50-1	T	ug/m3	0.21 U	0.21 U	0.084 J	0.21 U
TO15	1,2-Dichloroethane	107-06-2	T	ug/m3	0.13 J	0.12 J	0.14	0.12 J
TO15	1,2-Dichloropropane	78-87-5	T	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
TO15	1,2-Dichlorotetrafluoroethane	76-14-2	T	ug/m3	0.13 J	0.12 J	0.12 J	0.11 J
TO15	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	T	ug/m3	0.83	0.9	0.89	0.15 J
TO15	1,3-Dichlorobenzene	541-73-1	T	ug/m3	0.21 U	0.21 U	0.21 U	0.21 U
TO15	1,4-Dichlorobenzene	106-46-7	T	ug/m3	2.1	2.3	2.2	0.28
TO15	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/m3	1.3 U	1.3 U	1.3 U	1.3 U
TO15	2,2,4-Trimethylpentane	540-84-1	T	ug/m3	2.3	2.4	2.5	0.38 J
TO15	Benzene	71-43-2	T	ug/m3	3.6 J	2.8 J	2.8 J	0.66 J
TO15	Benzyl Chloride	100-44-7	T	ug/m3	0.36 UJ	0.36 UJ	0.36 UJ	0.36 UJ
TO15	Bromodichloromethane	75-27-4	T	ug/m3	0.23 U	0.23 U	0.23 U	0.23 U
TO15	Bromoform	75-25-2	T	ug/m3	0.36 U	0.36 U	0.36 U	0.36 U
TO15	Bromomethane	74-83-9	T	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
TO15	Carbon Tetrachloride	56-23-5	T	ug/m3	0.53 J	0.44 J	0.46 J	0.44 J
TO15	Chlorobenzene	108-90-7	T	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
TO15	Chloroethane	75-00-3	T	ug/m3	0.092 U	0.092 U	0.092 U	0.092 U
TO15	Chloroform	67-66-3	T	ug/m3	0.16 J	0.17 U	0.17 U	0.35
TO15	Chloromethane	74-87-3	T	ug/m3	1	1	1	1.6
TO15	Cis-1,2-Dichloroethylene	156-59-2	T	ug/m3	0.54	0.61	0.64	0.14 U
TO15	Cis-1,3-Dichloropropene	10061-01-5	T	ug/m3	0.16 U	0.16 U	0.16 U	0.16 U
TO15	Cyclohexane	110-82-7	T	ug/m3	2.3	2.7	2.6	0.35
TO15	Dibromochloromethane	124-48-1	T	ug/m3	0.3 U	0.3 U	0.3 U	0.3 U
TO15	Dichlorodifluoromethane	75-71-8	T	ug/m3	1.9	2	1.8	1.7
TO15	Ethanol	64-17-5	T	ug/m3	1400 J	1500 J	1500 J	9200 J
TO15	Ethylbenzene	100-41-4	T	ug/m3	3.4	3.5	3.5	1
TO15	Hexachlorobutadiene	87-68-3	T	ug/m3	0.37 U	0.37 U	0.37 U	0.37 U
TO15	m,p-Xylene	179601-23-1	T	ug/m3	13	13	13	3.6
TO15	Methyl Ethyl Ketone (2-Butanone)	78-93-3	T	ug/m3	4.1 U	4.1 U	4.1 U	4.1 U
TO15	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	T	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U
TO15	Methylene Chloride	75-09-2	T	ug/m3	0.38 J	0.39 J	0.41 J	0.5 J
TO15	Naphthalene	91-20-3	T	ug/m3	0.49 J-	0.53 J-	0.65 J-	0.36 J
TO15	N-Heptane	142-82-5	T	ug/m3	4	4.5	4.5	1.2
TO15	N-Hexane	110-54-3	T	ug/m3	12	13	13	17
TO15	O-Xylene (1,2-Dimethylbenzene)	95-47-6	T	ug/m3	4.2	4.5	4.5	1.3
TO15	Styrene	100-42-5	T	ug/m3	0.15 U	0.15 U	0.15 U	0.15 U
TO15	Tert-Butyl Alcohol	75-65-0	T	ug/m3	0.35 J	0.36 J	0.38 J	2.1
TO15	Tert-Butyl Methyl Ether	1634-04-4	T	ug/m3	0.13 U	0.13 U	0.13 U	0.13 U
TO15	Tetrachloroethylene (PCE)	127-18-4	T	ug/m3	6	5.6	5.8	1
TO15	Toluene	108-88-3	T	ug/m3	22	23	23	5.9
TO15	Trans-1,2-Dichloroethene	156-60-5	T	ug/m3	0.14 U	0.14 U	0.14 U	0.14 U

					Location ID	2532-IA	2532-IA	2532-IA	2532-IA	2532-IA
					Sample ID	2532-IA-042324-01	2532-IA-042324-02	2532-IA-042324-03	2532-IA-042324-04	2532-IA-042324-05
					Matrix	AI	AI	AI	AI	AI
					Lab Sample ID	24D3076-01	24D3076-02	24D3076-03	24D3076-04	24D3076-05
					SDG	24D3076	24D3076	24D3076	24D3076	24D3076
					Sample Date	4/24/2024	4/24/2024	4/24/2024	4/24/2024	4/24/2024
					Sample Type Code	N	N	FD	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TO15	Trans-1,3-Dichloropropene	10061-02-6	T	ug/m3	0.16	U	0.16	U	0.16	U
TO15	Trichloroethylene (TCE)	79-01-6	T	ug/m3	0.6		0.56		0.19	
TO15	Trichlorofluoromethane	75-69-4	T	ug/m3	2.6		2.6		9.7	
TO15	Vinyl Chloride	75-01-4	T	ug/m3	0.089	U	0.11		0.093	U

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		2532-IA 2532-IA-042324-06 AI 24D3076-06 24D3076 4/24/2024 N		2532-OA 2532-OA-042324-01 AO 24D3076-08 24D3076 4/24/2024 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TO15	1,1,1-Trichloroethane (TCA)	71-55-6	T	ug/m3	0.19	U			0.19	U
TO15	1,1,2,2-Tetrachloroethane	79-34-5	T	ug/m3	0.24	U			0.24	U
TO15	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	T	ug/m3	0.41	J			0.37	J
TO15	1,1,2-Trichloroethane	79-00-5	T	ug/m3	0.19	U			0.19	U
TO15	1,1-Dichloroethane	75-34-3	T	ug/m3	0.14	U			0.14	U
TO15	1,1-Dichloroethene	75-35-4	T	ug/m3	0.14	U			0.14	U
TO15	1,2,4-Trichlorobenzene	120-82-1	T	ug/m3	0.52	U			0.52	U
TO15	1,2,4-Trimethylbenzene	95-63-6	T	ug/m3	0.52				0.17	U
TO15	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	T	ug/m3	0.27	U			0.27	U
TO15	1,2-Dichlorobenzene	95-50-1	T	ug/m3	0.21	U			0.21	U
TO15	1,2-Dichloroethane	107-06-2	T	ug/m3	0.1	J			0.073	J
TO15	1,2-Dichloropropane	78-87-5	T	ug/m3	0.16	U			0.16	U
TO15	1,2-Dichlorotetrafluoroethane	76-14-2	T	ug/m3	0.11	J			0.12	J
TO15	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	T	ug/m3	0.17	U			0.17	U
TO15	1,3-Dichlorobenzene	541-73-1	T	ug/m3	0.21	U			0.21	U
TO15	1,4-Dichlorobenzene	106-46-7	T	ug/m3	0.25				0.21	U
TO15	1,4-Dioxane (P-Dioxane)	123-91-1	T	ug/m3	1.3	U			1.3	U
TO15	2,2,4-Trimethylpentane	540-84-1	T	ug/m3	0.33	J			0.44	U
TO15	Benzene	71-43-2	T	ug/m3	0.56	J			0.18	J
TO15	Benzyl Chloride	100-44-7	T	ug/m3	0.36	UJ			0.36	UJ
TO15	Bromodichloromethane	75-27-4	T	ug/m3	0.23	U			0.23	U
TO15	Bromoform	75-25-2	T	ug/m3	0.36	U			0.36	U
TO15	Bromomethane	74-83-9	T	ug/m3	0.14	U			0.14	U
TO15	Carbon Tetrachloride	56-23-5	T	ug/m3	0.45	J			0.46	J
TO15	Chlorobenzene	108-90-7	T	ug/m3	0.16	U			0.16	U
TO15	Chloroethane	75-00-3	T	ug/m3	0.092	U			0.092	U
TO15	Chloroform	67-66-3	T	ug/m3	0.33				0.17	U
TO15	Chloromethane	74-87-3	T	ug/m3	1.5				1.2	
TO15	Cis-1,2-Dichloroethylene	156-59-2	T	ug/m3	0.14	U			0.14	U
TO15	Cis-1,3-Dichloropropene	10061-01-5	T	ug/m3	0.16	U			0.16	U
TO15	Cyclohexane	110-82-7	T	ug/m3	0.26				0.12	U
TO15	Dibromochloromethane	124-48-1	T	ug/m3	0.3	U			0.3	U
TO15	Dichlorodifluoromethane	75-71-8	T	ug/m3	1.6				1.7	
TO15	Ethanol	64-17-5	T	ug/m3	2100	J			6.3	
TO15	Ethylbenzene	100-41-4	T	ug/m3	0.53				0.058	J
TO15	Hexachlorobutadiene	87-68-3	T	ug/m3	0.37	U			0.37	U
TO15	m,p-Xylene	179601-23-1	T	ug/m3	1.7				0.18	J
TO15	Methyl Ethyl Ketone (2-Butanone)	78-93-3	T	ug/m3	4.1	U			4.1	U
TO15	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	T	ug/m3	0.14	U			0.14	U
TO15	Methylene Chloride	75-09-2	T	ug/m3	0.39	J			0.37	J
TO15	Naphthalene	91-20-3	T	ug/m3	0.24	J			0.23	J
TO15	N-Heptane	142-82-5	T	ug/m3	0.71				0.25	
TO15	N-Hexane	110-54-3	T	ug/m3	4.9	U			4.9	U
TO15	O-Xylene (1,2-Dimethylbenzene)	95-47-6	T	ug/m3	0.64				0.067	J
TO15	Styrene	100-42-5	T	ug/m3	0.18				0.15	U
TO15	Tert-Butyl Alcohol	75-65-0	T	ug/m3	0.39	J			0.44	U
TO15	Tert-Butyl Methyl Ether	1634-04-4	T	ug/m3	0.13	U			0.13	U
TO15	Tetrachloroethylene (PCE)	127-18-4	T	ug/m3	1.9				0.24	U
TO15	Toluene	108-88-3	T	ug/m3	3				0.33	
TO15	Trans-1,2-Dichloroethene	156-60-5	T	ug/m3	0.14	U			0.14	U

					Location ID	2532-IA	2532-OA
					Sample ID	2532-IA-042324-06	2532-OA-042324-01
					Matrix	AI	AO
					Lab Sample ID	24D3076-06	24D3076-08
					SDG	24D3076	24D3076
					Sample Date	4/24/2024	4/24/2024
					Sample Type Code	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
TO15	Trans-1,3-Dichloropropene	10061-02-6	T	ug/m3	0.16	U	0.16
TO15	Trichloroethylene (TCE)	79-01-6	T	ug/m3	0.19	U	0.19
TO15	Trichlorofluoromethane	75-69-4	T	ug/m3	1.4		1.2
TO15	Vinyl Chloride	75-01-4	T	ug/m3	0.089	U	0.089

ATTACHMENT A-2 VALIDATED LABORATORY DATA FOR SOIL SAMPLES

			Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-10 MW-10-1.0-1.5 SO 23K1566-01 23K1566 11/8/2023 N		MW-10 MW-10-1.0-1.5 SO 23K1573-01 23K1566 11/8/2023 N		MW-10 MW-10-1.0-1.5 SO L1677612-01 23K1566 11/8/2023 N		MW-10 MW-10-11.5-14.0 SO 23K1566-03 23K1566 11/8/2023 N		MW-10 MW-10-11.5-14.0 SO 23K1573-03 23K1566 11/8/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8081B	Alachlor	15972-60-8	NA	mg/kg	0.025	U					0.023	U		
8081B	Aldrin	309-00-2	NA	mg/kg	0.0062	U					0.0056	U		
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0062	U					0.0056	U		
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0062	U					0.0056	U		
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0062	U					0.0056	U		
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.0099	U					0.009	U		
8081B	Chlordane	57-74-9	NA	mg/kg	0.025	U					0.023	U		
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0062	U					0.0056	U		
8081B	Dieldrin	60-57-1	NA	mg/kg	0.005	U					0.0045	U		
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.0099	U					0.009	U		
8081B	Endrin	72-20-8	NA	mg/kg	0.0099	U					0.009	U		
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.0099	U					0.009	U		
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.0099	U					0.009	U		
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0025	U					0.0023	U		
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0062	U					0.0056	U		
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0062	U					0.0056	U		
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0074	U					0.0068	U		
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.062	U					0.056	U		
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.005	U					0.0045	U		
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.005	U					0.0045	U		
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.005	U					0.0045	U		
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.12	U					0.11	U		
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.099	U					0.09	U		
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.099	U					0.09	U		
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.099	U					0.09	U		
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.099	U					0.09	U		
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.099	U					0.09	U		
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.099	U					0.09	U		
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.099	U					0.09	U		
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.099	U					0.09	U		
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.099	U					0.09	U		
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.0011	U					0.00078	U		
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.011	U					0.0078	U		
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.0043	U					0.0031	U		
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0022	UJ					0.0016	UJ		
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.0011	U					0.00078	U		
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0022	U					0.0016	U		
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.11	U					0.078	U		
8260D	2-Hexanone	591-78-6	NA	mg/kg	0.022	U					0.016	U		
8260D	Acetone	67-64-1	NA	mg/kg	0.05	J					0.078	U		
8260D	Benzene	71-43-2	NA	mg/kg	0.0022	U					0.00084	J		

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-10 MW-10-1.0-1.5 SO 23K1566-01 23K1566 11/8/2023 N		MW-10 MW-10-1.0-1.5 SO 23K1573-01 23K1566 11/8/2023 N		MW-10 MW-10-1.0-1.5 SO L1677612-01 23K1566 11/8/2023 N		MW-10 MW-10-11.5-14.0 SO 23K1566-03 23K1566 11/8/2023 N		MW-10 MW-10-11.5-14.0 SO 23K1573-03 23K1566 11/8/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Bromodichloromethane	75-27-4	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Bromoform	75-25-2	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Bromomethane	74-83-9	NA	mg/kg	0.011	UJ							0.0078	UJ		
8260D	Carbon Disulfide	75-15-0	NA	mg/kg	0.011	U							0.0078	U		
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Chlorobenzene	108-90-7	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Chloroethane	75-00-3	NA	mg/kg	0.022	UJ							0.016	UJ		
8260D	Chloroform	67-66-3	NA	mg/kg	0.0043	U							0.0031	U		
8260D	Chloromethane	74-87-3	NA	mg/kg	0.011	U							0.0078	U		
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.0011	U							0.00078	U		
8260D	Cyclohexane	110-82-7	NA	mg/kg	0.011	UJ							0.0078	UJ		
8260D	Dibromochloromethane	124-48-1	NA	mg/kg	0.0011	U							0.00078	U		
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.022	U							0.016	U		
8260D	Ethylbenzene	100-41-4	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Methyl Acetate	79-20-9	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.043	U							0.031	U		
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.022	U							0.016	U		
8260D	Methylcyclohexane	108-87-2	NA	mg/kg	0.0043	U							0.00094	J		
8260D	Methylene Chloride	75-09-2	NA	mg/kg	0.022	U							0.016	U		
8260D	Styrene	100-42-5	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.0043	UJ							0.0031	UJ		
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Toluene	108-88-3	NA	mg/kg	0.0022	U							0.00084	J		
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.0011	U							0.00078	U		
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.0022	U							0.0016	U		
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.011	U							0.0078	U		
8260D	Vinyl Chloride	75-01-4	NA	mg/kg	0.011	U							0.0078	U		
8260D	Xylenes	1330-20-7	NA	mg/kg	0.0022	U							0.0016	U		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.42	U							0.38	U		
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.42	U							0.38	U		
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.42	U							0.38	U		
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.42	U							0.38	U		
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.42	U							0.38	U		
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.82	U							0.74	U		
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.42	U							0.38	U		
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.42	U							0.38	U		
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.42	U							0.38	U		
8270E	2-Chlorophenol	95-57-8	NA	mg/kg	0.42	U							0.38	U		
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.21	U							0.19	U		
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.42	U							0.38	U		
8270E	2-Nitroaniline	88-74-4	NA	mg/kg	0.42	U							0.38	U		
8270E	2-Nitrophenol	88-75-5	NA	mg/kg	0.42	U							0.38	U		
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.42	U							0.38	U		
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.21	U							0.19	U		
8270E	3-Nitroaniline	99-09-2	NA	mg/kg	0.42	U							0.38	U		
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.42	U							0.38	U		

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code			MW-10 MW-10-1.0-1.5 SO 23K1566-01 23K1566 11/8/2023 N		MW-10 MW-10-1.0-1.5 SO 23K1573-01 23K1566 11/8/2023 N		MW-10 MW-10-1.0-1.5 SO L1677612-01 23K1566 11/8/2023 N		MW-10 MW-10-11.5-14.0 SO 23K1566-03 23K1566 11/8/2023 N		MW-10 MW-10-11.5-14.0 SO 23K1573-03 23K1566 11/8/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.42	U					0.38	U		
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.82	U					0.74	U		
8270E	4-Chloroaniline	106-47-8	NA	mg/kg	0.82	U					0.74	U		
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.42	U					0.38	U		
8270E	4-Nitroaniline	100-01-6	NA	mg/kg	0.42	U					0.38	U		
8270E	4-Nitrophenol	100-02-7	NA	mg/kg	0.82	U					0.74	U		
8270E	Acenaphthene	83-32-9	NA	mg/kg	0.21	U					0.19	U		
8270E	Acenaphthylene	208-96-8	NA	mg/kg	0.21	U					0.19	U		
8270E	Acetophenone	98-86-2	NA	mg/kg	0.42	U					0.38	U		
8270E	Anthracene	120-12-7	NA	mg/kg	0.21	U					0.19	U		
8270E	Atrazine	1912-24-9	NA	mg/kg	0.83	UJ					0.75	UJ		
8270E	Benzaldehyde	100-52-7	NA	mg/kg	0.42	UJ					0.38	UJ		
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.21	U					0.19	U		
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.21	U					0.19	U		
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.21	U					0.19	U		
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.21	U					0.19	U		
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.21	U					0.19	U		
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.42	U					0.38	U		
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg	0.83	U					0.75	U		
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.42	U					0.38	U		
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.42	U					0.38	U		
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.42	U					0.38	U		
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.42	U					0.38	U		
8270E	Caprolactam	105-60-2	NA	mg/kg	0.42	UJ					0.38	UJ		
8270E	Carbazole	86-74-8	NA	mg/kg	0.21	U					0.19	U		
8270E	Chrysene	218-01-9	NA	mg/kg	0.21	U					0.19	U		
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.21	U					0.19	U		
8270E	Dibenzofuran	132-64-9	NA	mg/kg	0.42	U					0.38	U		
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg	0.42	U					0.38	U		
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.42	U					0.38	U		
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.42	U					0.38	U		
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.42	U					0.38	U		
8270E	Fluoranthene	206-44-0	NA	mg/kg	0.21	U					0.19	U		
8270E	Fluorene	86-73-7	NA	mg/kg	0.21	U					0.19	U		
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg	0.42	U					0.38	U		
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.42	U					0.38	U		
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.42	U					0.38	U		
8270E	Hexachloroethane	67-72-1	NA	mg/kg	0.42	UJ					0.38	UJ		
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.21	U					0.19	U		
8270E	Isophorone	78-59-1	NA	mg/kg	0.42	U					0.38	U		
8270E	Naphthalene	91-20-3	NA	mg/kg	0.21	U					0.19	U		
8270E	Nitrobenzene	98-95-3	NA	mg/kg	0.42	U					0.38	U		
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.42	U					0.38	U		
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.42	U					0.38	U		
8270E	Pentachlorophenol	87-86-5	NA	mg/kg	0.42	U					0.38	U		
8270E	Phenanthrene	85-01-8	NA	mg/kg	0.21	U					0.19	U		
8270E	Phenol	108-95-2	NA	mg/kg	0.42	U					0.38	U		
8270E	Pyrene	129-00-0	NA	mg/kg	0.21	U					0.19	U		
A2540G	Solids, Percent	SOLID	NA	%	80.6		80.4				88.6		85.2	
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.78	U					0.79	U

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code			MW-10 MW-10-1.0-1.5 SO 23K1566-01 23K1566 11/8/2023 N		MW-10 MW-10-1.0-1.5 SO 23K1573-01 23K1566 11/8/2023 N		MW-10 MW-10-1.0-1.5 SO L1677612-01 23K1566 11/8/2023 N		MW-10 MW-10-11.5-14.0 SO 23K1566-03 23K1566 11/8/2023 N		MW-10 MW-10-11.5-14.0 SO 23K1573-03 23K1566 11/8/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.78	U					0.79	U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.78	U					0.79	UJ
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.78	U					0.79	U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg			1.9	U					2	U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg			1.9	U					2	U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg			9.7	U					9.9	U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg			9.7	U					9.9	U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg			1.9	U					2	U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.78	U					0.79	U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.78	U					0.79	U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.78	U					0.79	U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg			0.19	U					0.2	U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.19	U					0.2	U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg			0.19	U					0.2	U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.19	U					0.2	U
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.39	U					0.4	UJ
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.27	J					0.79	U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.19	UJ					0.2	U
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.19	UJ					0.2	U
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg			0.19	UJ					0.2	UJ
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.024	J					0.2	U
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.083	J					0.2	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.053	J					0.2	U
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg			0.19	UJ					0.2	U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.26						0.2	U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.055	J					0.2	U
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.054	J					0.027	J
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.19	U					0.2	U
SM 2540G	Total Solids	TSO	NA	%					81.1					
SW6010D	Aluminum	7429-90-5	NA	mg/kg	26000						4800			
SW6010D	Antimony	7440-36-0	NA	mg/kg	2.1	UJ					1.8	U		
SW6010D	Arsenic	7440-38-2	NA	mg/kg	5						2.1	J		
SW6010D	Barium	7440-39-3	NA	mg/kg	110						54			
SW6010D	Beryllium	7440-41-7	NA	mg/kg	1.1						0.29			
SW6010D	Cadmium	7440-43-9	NA	mg/kg	0.41	U					1			
SW6010D	Calcium	7440-70-2	NA	mg/kg	3100						120000			
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg	32	J					6.5			
SW6010D	Cobalt	7440-48-4	NA	mg/kg	9.2						3.3			
SW6010D	Copper	7440-50-8	NA	mg/kg	24						12			

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-10 MW-10-1.0-1.5 SO 23K1566-01 23K1566 11/8/2023 N	MW-10 MW-10-1.0-1.5 SO 23K1573-01 23K1566 11/8/2023 N	MW-10 MW-10-1.0-1.5 SO L1677612-01 23K1566 11/8/2023 N	MW-10 MW-10-11.5-14.0 SO 23K1566-03 23K1566 11/8/2023 N	MW-10 MW-10-11.5-14.0 SO 23K1573-03 23K1566 11/8/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
SW6010D	Iron	7439-89-6	NA	mg/kg	45000				12000	
SW6010D	Lead	7439-92-1	NA	mg/kg	12 J				22	
SW6010D	Magnesium	7439-95-4	NA	mg/kg	6400				53000	
SW6010D	Manganese	7439-96-5	NA	mg/kg	330				530	
SW6010D	Nickel	7440-02-0	NA	mg/kg	28				7.2	
SW6010D	Potassium	7440-09-7	NA	mg/kg	2800				1100	
SW6010D	Selenium	7782-49-2	NA	mg/kg	4.1 UJ				3.7 U	
SW6010D	Silver	7440-22-4	NA	mg/kg	0.41 U				0.37 U	
SW6010D	Sodium	7440-23-5	NA	mg/kg	81 J				160 J	
SW6010D	Thallium	7440-28-0	NA	mg/kg	2.1 UJ				1.8 U	
SW6010D	Vanadium	7440-62-2	NA	mg/kg	37				10	
SW6010D	Zinc	7440-66-6	NA	mg/kg	80				240	
SW7471B	Mercury	7439-97-6	NA	mg/kg	0.09				0.015 J	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg			0.07 U			
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg			0.07 U			
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg			0.07 U			
SW8151	Dalapon	75-99-0	NA	mg/kg			0.07 U			
SW8151	Dicamba	1918-00-9	NA	mg/kg			0.07 U			
SW8151	Dichloroprop	120-36-5	NA	mg/kg			0.07 U			
SW8151	Dinoseb	88-85-7	NA	mg/kg			0.07 U			
SW8151	MCPA	94-74-6	NA	mg/kg			6.5 U			
SW8151	Mecoprop	93-65-2	NA	mg/kg			6.5 U			
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg			0.07 U			
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.062 U				0.056 U	
SW9014	Cyanide	57-12-5	T	mg/kg	0.61 U				0.54 U	

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-10 MW-10-11.5-14.0 SO L1677612-03 23K1566 11/8/2023 N	MW-10 MW-10-8.0-10.0 SO 23K1566-02 23K1566 11/8/2023 N	MW-10 MW-10-8.0-10.0 SO 23K1573-02 23K1566 11/8/2023 N	MW-10 MW-10-8.0-10.0 SO L1677612-02 23K1566 11/8/2023 N	MW-11 MW-11-0.5-1.0 SO 23K0684-04 23K0684 11/3/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8081B	Alachlor	15972-60-8	NA	mg/kg		0.026	U		0.025
8081B	Aldrin	309-00-2	NA	mg/kg		0.0064	U		0.0062
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg		0.0064	U		0.0062
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg		0.0064	U		0.0062
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg		0.0064	U		0.0062
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg		0.01	U		0.0098
8081B	Chlordane	57-74-9	NA	mg/kg		0.026	U		0.025
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg		0.0064	U		0.0062
8081B	Dieldrin	60-57-1	NA	mg/kg		0.0051	U		0.0049
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg		0.01	U		0.0098
8081B	Endrin	72-20-8	NA	mg/kg		0.01	U		0.0098
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg		0.01	U		0.0098
8081B	Endrin Ketone	53494-70-5	NA	mg/kg		0.01	U		0.0098
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg		0.0026	U		0.0025
8081B	Heptachlor	76-44-8	NA	mg/kg		0.0064	U		0.0062
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg		0.0064	U		0.0062
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg		0.0077	U		0.0074
8081B	Methoxychlor	72-43-5	NA	mg/kg		0.064	U		0.062
8081B	P,P'-DDD	72-54-8	NA	mg/kg		0.0051	U		0.0049
8081B	P,P'-DDE	72-55-9	NA	mg/kg		0.0051	U		0.0049
8081B	P,P'-DDT	50-29-3	NA	mg/kg		0.0051	U		0.0049
8081B	Toxaphene	8001-35-2	NA	mg/kg		0.13	U		0.12
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg		0.1	U		0.098
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg		0.1	U		0.098
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg		0.1	U		0.098
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg		0.1	U		0.098
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg		0.1	U		0.098
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg		0.1	U		0.098
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg		0.1	U		0.098
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg		0.1	U		0.098
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg		0.1	U		0.098
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg		0.002	U		0.0018
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg		0.001	U		0.00092
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg		0.01	U		0.0092
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg		0.002	U		0.0018
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg		0.002	U		0.0018
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg		0.004	U		0.0037
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg		0.002	U		0.0018
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg		0.002	U		0.0018
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg		0.002	UJ		0.0018
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg		0.001	U		0.00092
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg		0.002	U		0.0018
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg		0.002	U		0.0018
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg		0.002	U		0.0018
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg		0.002	U		0.0018
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg		0.002	U		0.0018
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg		0.1	U		0.092
8260D	2-Hexanone	591-78-6	NA	mg/kg		0.02	U		0.018
8260D	Acetone	67-64-1	NA	mg/kg		0.014	J		0.017
8260D	Benzene	71-43-2	NA	mg/kg		0.0015	J		0.0018

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-10 MW-10-11.5-14.0 SO L1677612-03 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO 23K1566-02 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO 23K1573-02 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO L1677612-02 23K1566 11/8/2023 N		MW-11 MW-11-0.5-1.0 SO 23K0684-04 23K0684 11/3/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg					0.002	U					0.0018	U
8260D	Bromodichloromethane	75-27-4	NA	mg/kg					0.002	U					0.0018	U
8260D	Bromoform	75-25-2	NA	mg/kg					0.002	U					0.0018	U
8260D	Bromomethane	74-83-9	NA	mg/kg					0.01	UJ					0.0092	UJ
8260D	Carbon Disulfide	75-15-0	NA	mg/kg					0.01	U					0.0092	U
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg					0.002	U					0.0018	U
8260D	Chlorobenzene	108-90-7	NA	mg/kg					0.002	U					0.0018	U
8260D	Chloroethane	75-00-3	NA	mg/kg					0.02	UJ					0.018	UJ
8260D	Chloroform	67-66-3	NA	mg/kg					0.004	U					0.0037	U
8260D	Chloromethane	74-87-3	NA	mg/kg					0.01	U					0.0092	U
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg					0.002	U					0.0018	U
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg					0.001	U					0.00092	U
8260D	Cyclohexane	110-82-7	NA	mg/kg					0.01	UJ					0.0092	UJ
8260D	Dibromochloromethane	124-48-1	NA	mg/kg					0.001	U					0.00092	U
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg					0.02	U					0.018	U
8260D	Ethylbenzene	100-41-4	NA	mg/kg					0.0006	J					0.0018	U
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					0.002	U					0.0018	U
8260D	Methyl Acetate	79-20-9	NA	mg/kg					0.002	U					0.0018	U
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					0.04	U					0.037	U
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					0.02	U					0.018	U
8260D	Methylcyclohexane	108-87-2	NA	mg/kg					0.004	U					0.00083	J
8260D	Methylene Chloride	75-09-2	NA	mg/kg					0.02	U					0.018	U
8260D	Styrene	100-42-5	NA	mg/kg					0.002	U					0.0018	U
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					0.004	UJ					0.0037	U
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					0.002	U					0.002	U
8260D	Toluene	108-88-3	NA	mg/kg					0.0035	U					0.0018	U
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					0.002	U					0.0018	U
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					0.001	U					0.00092	U
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					0.002	U					0.0018	U
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg					0.01	U					0.0092	UJ
8260D	Vinyl Chloride	75-01-4	NA	mg/kg					0.01	U					0.0092	U
8260D	Xylenes	1330-20-7	NA	mg/kg					0.004	U					0.0018	U
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg					0.45	U					0.42	U
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg					0.45	U					0.42	U
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg					0.45	U					0.42	U
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg					0.45	U					0.42	U
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg					0.45	U					0.42	U
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg					0.86	U					0.81	U
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg					0.45	U					0.42	U
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg					0.45	U					0.42	U
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg					0.45	U					0.42	U
8270E	2-Chlorophenol	95-57-8	NA	mg/kg					0.45	U					0.42	U
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg					0.22	U					0.21	U
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg					0.45	U					0.42	U
8270E	2-Nitroaniline	88-74-4	NA	mg/kg					0.45	U					0.42	U
8270E	2-Nitrophenol	88-75-5	NA	mg/kg					0.45	U					0.42	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg					0.45	U					0.42	U
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg					0.22	U					0.21	U
8270E	3-Nitroaniline	99-09-2	NA	mg/kg					0.45	U					0.42	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg					0.45	U					0.42	U

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-10 MW-10-11.5-14.0 SO L1677612-03 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO 23K1566-02 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO 23K1573-02 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO L1677612-02 23K1566 11/8/2023 N		MW-11 MW-11-0.5-1.0 SO 23K0684-04 23K0684 11/3/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg					0.45	U					0.42	U
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg					0.86	U					0.81	U
8270E	4-Chloroaniline	106-47-8	NA	mg/kg					0.86	U					0.81	U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg					0.45	U					0.42	U
8270E	4-Nitroaniline	100-01-6	NA	mg/kg					0.45	U					0.42	U
8270E	4-Nitrophenol	100-02-7	NA	mg/kg					0.86	U					0.81	U
8270E	Acenaphthene	83-32-9	NA	mg/kg					0.22	U					0.21	U
8270E	Acenaphthylene	208-96-8	NA	mg/kg					0.22	U					0.21	U
8270E	Acetophenone	98-86-2	NA	mg/kg					0.45	U					0.42	U
8270E	Anthracene	120-12-7	NA	mg/kg					0.22	U					0.21	U
8270E	Atrazine	1912-24-9	NA	mg/kg					0.88	UJ					0.82	U
8270E	Benzaldehyde	100-52-7	NA	mg/kg					0.45	UJ					0.42	UJ
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg					0.22	U					0.21	U
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg					0.22	U					0.21	U
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg					0.22	U					0.21	U
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg					0.22	U					0.21	U
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg					0.22	U					0.21	U
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg					0.45	U					0.42	U
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg					0.88	U					0.82	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg					0.45	U					0.42	U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg					0.45	U					0.42	U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg					0.45	U					0.42	U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg					0.45	U					0.42	U
8270E	Caprolactam	105-60-2	NA	mg/kg					0.45	UJ					0.42	UJ
8270E	Carbazole	86-74-8	NA	mg/kg					0.22	U					0.21	U
8270E	Chrysene	218-01-9	NA	mg/kg					0.22	U					0.21	U
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg					0.22	U					0.21	U
8270E	Dibenzofuran	132-64-9	NA	mg/kg					0.45	U					0.42	U
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg					0.45	U					0.42	U
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg					0.45	U					0.42	U
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg					0.45	U					0.42	U
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg					0.45	U					0.42	U
8270E	Fluoranthene	206-44-0	NA	mg/kg					0.22	U					0.21	U
8270E	Fluorene	86-73-7	NA	mg/kg					0.22	U					0.21	U
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg					0.45	U					0.42	U
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg					0.45	U					0.42	U
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg					0.45	U					0.42	UJ
8270E	Hexachloroethane	67-72-1	NA	mg/kg					0.45	UJ					0.42	U
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg					0.22	U					0.21	UJ
8270E	Isophorone	78-59-1	NA	mg/kg					0.45	U					0.42	U
8270E	Naphthalene	91-20-3	NA	mg/kg					0.22	U					0.21	U
8270E	Nitrobenzene	98-95-3	NA	mg/kg					0.45	U					0.42	U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg					0.45	U					0.42	U
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg					0.45	U					0.42	UJ
8270E	Pentachlorophenol	87-86-5	NA	mg/kg					0.45	U					0.42	U
8270E	Phenanthrene	85-01-8	NA	mg/kg					0.22	U					0.21	U
8270E	Phenol	108-95-2	NA	mg/kg					0.45	U					0.42	U
8270E	Pyrene	129-00-0	NA	mg/kg					0.22	U					0.21	U
A2540G	Solids, Percent	SOLID	NA	%					75.6			75.6			81.2	
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg								0.78	U			

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code			MW-10 MW-10-11.5-14.0 SO L1677612-03 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO 23K1566-02 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO 23K1573-02 23K1566 11/8/2023 N		MW-10 MW-10-8.0-10.0 SO L1677612-02 23K1566 11/8/2023 N		MW-11 MW-11-0.5-1.0 SO 23K0684-04 23K0684 11/3/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg					0.78	U				
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg					0.78	UJ				
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg					0.78	U				
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg					1.9	U				
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg					1.9	U				
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg					9.7	U				
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg					9.7	U				
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg					1.9	U				
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg					0.78	U				
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg					0.78	U				
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg					0.78	U				
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg					0.19	U				
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg					0.19	U				
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg					0.19	U				
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg					0.19	U				
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg					0.39	U				
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg					0.39	U				
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg					0.39	U				
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg					0.39	UJ				
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg					0.19	U				
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg					0.78	U				
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg					0.19	U				
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg					0.19	U				
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg					0.19	UJ				
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg					0.19	U				
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg					0.19	U				
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg					0.19	U				
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg					0.19	U				
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg					0.19	U				
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg					0.19	U				
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg					0.19	U				
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg					0.19	U				
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg					0.19	U				
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg					0.19	U				
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg					0.19	U				
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg					0.029	J				
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg					0.19	U				
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg					0.19	U				
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg					0.19	U				
SM 2540G	Total Solids	TSO	NA	%	91						77.6			
SW6010D	Aluminum	7429-90-5	NA	mg/kg			16000						19000	
SW6010D	Antimony	7440-36-0	NA	mg/kg										2 U
SW6010D	Arsenic	7440-38-2	NA	mg/kg			4.4	J					8.5	
SW6010D	Barium	7440-39-3	NA	mg/kg			94						83	
SW6010D	Beryllium	7440-41-7	NA	mg/kg			0.82						0.95	
SW6010D	Cadmium	7440-43-9	NA	mg/kg			0.44	U					0.21	J
SW6010D	Calcium	7440-70-2	NA	mg/kg			50000						7200	
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg			23						40	
SW6010D	Cobalt	7440-48-4	NA	mg/kg			9.9						14	
SW6010D	Copper	7440-50-8	NA	mg/kg			21						18	

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-10 MW-10-11.5-14.0 SO L1677612-03 23K1566 11/8/2023 N	MW-10 MW-10-8.0-10.0 SO 23K1566-02 23K1566 11/8/2023 N	MW-10 MW-10-8.0-10.0 SO 23K1573-02 23K1566 11/8/2023 N	MW-10 MW-10-8.0-10.0 SO L1677612-02 23K1566 11/8/2023 N	MW-11 MW-11-0.5-1.0 SO 23K0684-04 23K0684 11/3/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
SW6010D	Iron	7439-89-6	NA	mg/kg			34000			51000
SW6010D	Lead	7439-92-1	NA	mg/kg			7.5			29
SW6010D	Magnesium	7439-95-4	NA	mg/kg			14000			6000
SW6010D	Manganese	7439-96-5	NA	mg/kg			470			1000
SW6010D	Nickel	7440-02-0	NA	mg/kg			25			21
SW6010D	Potassium	7440-09-7	NA	mg/kg			3200			2000
SW6010D	Selenium	7782-49-2	NA	mg/kg			4.4 U			4 U
SW6010D	Silver	7440-22-4	NA	mg/kg			0.44 U			3.2
SW6010D	Sodium	7440-23-5	NA	mg/kg			160 J			150 J
SW6010D	Thallium	7440-28-0	NA	mg/kg			2.2 U			2 U
SW6010D	Vanadium	7440-62-2	NA	mg/kg			30			45
SW6010D	Zinc	7440-66-6	NA	mg/kg			58			87
SW7471B	Mercury	7439-97-6	NA	mg/kg			0.022 J			0.75
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg	0.07 U				0.07 U	
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg	0.07 U				0.07 U	
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg	0.07 U				0.07 U	
SW8151	Dalapon	75-99-0	NA	mg/kg	0.07 U				0.07 U	
SW8151	Dicamba	1918-00-9	NA	mg/kg	0.07 U				0.07 U	
SW8151	Dichloroprop	120-36-5	NA	mg/kg	0.07 U				0.07 U	
SW8151	Dinoseb	88-85-7	NA	mg/kg	0.07 U				0.07 U	
SW8151	MCPA	94-74-6	NA	mg/kg	6.5 U				6.5 U	
SW8151	Mecoprop	93-65-2	NA	mg/kg	6.5 U				6.5 U	
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg	0.07 U				0.07 U	
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg			0.066 U			0.061 U
SW9014	Cyanide	57-12-5	T	mg/kg			0.56 U			0.67

					Location ID		MW-11		MW-11		MW-11		MW-11		MW-11	
					Sample ID		MW-11-0.5-1.0		MW-11-0.5-1.0		MW-11-12.0-13.0		MW-11-12.0-13.0		MW-11-12.0-13.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K0716-04		L1674663-04		23K1132-02		23K1141-02		L1676443-02	
					SDG		23K0684		23K0684		23K1132		23K1132		23K1132	
					Sample Date		11/3/2023		11/3/2023		11/6/2023		11/6/2023		11/6/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8081B	Alachlor	15972-60-8	NA	mg/kg							0.025	U				
8081B	Aldrin	309-00-2	NA	mg/kg							0.0063	U				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg							0.0063	U				
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg							0.0063	U				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg							0.0063	U				
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg							0.01	U				
8081B	Chlordane	57-74-9	NA	mg/kg							0.025	U				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg							0.0063	U				
8081B	Dieldrin	60-57-1	NA	mg/kg							0.0051	U				
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg							0.01	U				
8081B	Endrin	72-20-8	NA	mg/kg							0.01	U				
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg							0.01	U				
8081B	Endrin Ketone	53494-70-5	NA	mg/kg							0.01	U				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg							0.0025	U				
8081B	Heptachlor	76-44-8	NA	mg/kg							0.0063	U				
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg							0.0063	U				
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg							0.0076	U				
8081B	Methoxychlor	72-43-5	NA	mg/kg							0.063	U				
8081B	P,P'-DDD	72-54-8	NA	mg/kg							0.0051	U				
8081B	P,P'-DDE	72-55-9	NA	mg/kg							0.0051	U				
8081B	P,P'-DDT	50-29-3	NA	mg/kg							0.0051	U				
8081B	Toxaphene	8001-35-2	NA	mg/kg							0.13	U				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg							0.1	U				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg							0.1	U				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg							0.1	U				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg							0.1	U				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg							0.1	U				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg							0.1	U				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg							0.1	U				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg							0.1	U				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg							0.1	U				
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg							0.002	U				
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg							0.00098	U				
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg							0.0098	U				
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg							0.002	U				
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg							0.002	U				
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg							0.0039	U				
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg							0.002	U				
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg							0.002	U				
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg							0.002	U				
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg							0.00098	U				
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg							0.002	U				
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg							0.002	U				
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg							0.002	U				
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg							0.002	U				
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg							0.002	U				
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.098	U				
8260D	2-Hexanone	591-78-6	NA	mg/kg							0.02	U				
8260D	Acetone	67-64-1	NA	mg/kg							0.098	U				
8260D	Benzene	71-43-2	NA	mg/kg							0.002	U				

					Location ID		MW-11		MW-11		MW-11		MW-11		MW-11	
					Sample ID		MW-11-0.5-1.0		MW-11-0.5-1.0		MW-11-12.0-13.0		MW-11-12.0-13.0		MW-11-12.0-13.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K0716-04		L1674663-04		23K1132-02		23K1141-02		L1676443-02	
					SDG		23K0684		23K0684		23K1132		23K1132		23K1132	
					Sample Date		11/3/2023		11/3/2023		11/6/2023		11/6/2023		11/6/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg							0.002	U				
8260D	Bromodichloromethane	75-27-4	NA	mg/kg							0.002	U				
8260D	Bromoform	75-25-2	NA	mg/kg							0.002	U				
8260D	Bromomethane	74-83-9	NA	mg/kg							0.0098	UJ				
8260D	Carbon Disulfide	75-15-0	NA	mg/kg							0.0098	U				
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg							0.002	U				
8260D	Chlorobenzene	108-90-7	NA	mg/kg							0.002	U				
8260D	Chloroethane	75-00-3	NA	mg/kg							0.02	UJ				
8260D	Chloroform	67-66-3	NA	mg/kg							0.0039	U				
8260D	Chloromethane	74-87-3	NA	mg/kg							0.0098	U				
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg							0.002	U				
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg							0.00098	U				
8260D	Cyclohexane	110-82-7	NA	mg/kg							0.0098	UJ				
8260D	Dibromochloromethane	124-48-1	NA	mg/kg							0.00098	U				
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg							0.02	U				
8260D	Ethylbenzene	100-41-4	NA	mg/kg							0.002	U				
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg							0.002	U				
8260D	Methyl Acetate	79-20-9	NA	mg/kg							0.002	U				
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg							0.039	U				
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg							0.02	U				
8260D	Methylcyclohexane	108-87-2	NA	mg/kg							0.0011	J				
8260D	Methylene Chloride	75-09-2	NA	mg/kg							0.02	U				
8260D	Styrene	100-42-5	NA	mg/kg							0.002	U				
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg							0.0039	U				
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg							0.002	U				
8260D	Toluene	108-88-3	NA	mg/kg							0.002	U				
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg							0.002	U				
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg							0.00098	U				
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg							0.002	U				
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg							0.0098	U				
8260D	Vinyl Chloride	75-01-4	NA	mg/kg							0.0098	U				
8260D	Xylenes	1330-20-7	NA	mg/kg							0.002	U				
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg							2.6	U				
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg							2.6	U				
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg							2.6	U				
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg							2.6	U				
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg							2.6	U				
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg							5	UJ				
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg							2.6	U				
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg							2.6	U				
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg							2.6	U				
8270E	2-Chlorophenol	95-57-8	NA	mg/kg							2.6	U				
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg							1.3	U				
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg							2.6	U				
8270E	2-Nitroaniline	88-74-4	NA	mg/kg							2.6	UJ				
8270E	2-Nitrophenol	88-75-5	NA	mg/kg							2.6	U				
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg							2.6	U				
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg							1.3	U				
8270E	3-Nitroaniline	99-09-2	NA	mg/kg							2.6	U				
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg							2.6	U				

					Location ID		MW-11		MW-11		MW-11		MW-11		MW-11	
					Sample ID		MW-11-0.5-1.0		MW-11-0.5-1.0		MW-11-12.0-13.0		MW-11-12.0-13.0		MW-11-12.0-13.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K0716-04		L1674663-04		23K1132-02		23K1141-02		L1676443-02	
					SDG		23K0684		23K0684		23K1132		23K1132		23K1132	
					Sample Date		11/3/2023		11/3/2023		11/3/2023		11/6/2023		11/6/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg							2.6	U				
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg							5	U				
8270E	4-Chloroaniline	106-47-8	NA	mg/kg							5	U				
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg							2.6	U				
8270E	4-Nitroaniline	100-01-6	NA	mg/kg							2.6	U				
8270E	4-Nitrophenol	100-02-7	NA	mg/kg							5	U				
8270E	Acenaphthene	83-32-9	NA	mg/kg							1.3	U				
8270E	Acenaphthylene	208-96-8	NA	mg/kg							1.3	U				
8270E	Acetophenone	98-86-2	NA	mg/kg							2.6	U				
8270E	Anthracene	120-12-7	NA	mg/kg							1.3	U				
8270E	Atrazine	1912-24-9	NA	mg/kg							5.1	UJ				
8270E	Benzaldehyde	100-52-7	NA	mg/kg							2.6	UJ				
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg							1.3	U				
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg							1.3	U				
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg							1.3	U				
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg							1.3	U				
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg							1.3	U				
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg							2.6	U				
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg							5.1	U				
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg							2.6	U				
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg							2.6	U				
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg							2.6	UJ				
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg							2.6	U				
8270E	Caprolactam	105-60-2	NA	mg/kg							2.6	UJ				
8270E	Carbazole	86-74-8	NA	mg/kg							1.3	U				
8270E	Chrysene	218-01-9	NA	mg/kg							1.3	U				
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg							1.3	U				
8270E	Dibenzofuran	132-64-9	NA	mg/kg							2.6	U				
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg							2.6	U				
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg							2.6	U				
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg							2.6	U				
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg							2.6	U				
8270E	Fluoranthene	206-44-0	NA	mg/kg							1.3	U				
8270E	Fluorene	86-73-7	NA	mg/kg							1.3	U				
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg							2.6	U				
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg							2.6	U				
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg							2.6	UJ				
8270E	Hexachloroethane	67-72-1	NA	mg/kg							2.6	U				
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg							1.3	U				
8270E	Isophorone	78-59-1	NA	mg/kg							2.6	U				
8270E	Naphthalene	91-20-3	NA	mg/kg							1.3	U				
8270E	Nitrobenzene	98-95-3	NA	mg/kg							2.6	U				
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg							2.6	U				
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg							2.6	U				
8270E	Pentachlorophenol	87-86-5	NA	mg/kg							2.6	U				
8270E	Phenanthrene	85-01-8	NA	mg/kg							1.3	U				
8270E	Phenol	108-95-2	NA	mg/kg							2.6	U				
8270E	Pyrene	129-00-0	NA	mg/kg							1.3	U				
A2540G	Solids, Percent	SOLID	NA	%							79			77		
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.8	U						0.78	UJ	

		Location ID		MW-11		MW-11		MW-11		MW-11		MW-11	
		Sample ID		MW-11-0.5-1.0		MW-11-0.5-1.0		MW-11-12.0-13.0		MW-11-12.0-13.0		MW-11-12.0-13.0	
		Matrix		SO		SO		SO		SO		SO	
		Lab Sample ID		23K0716-04		L1674663-04		23K1132-02		23K1141-02		L1676443-02	
		SDG		23K0684		23K0684		23K1132		23K1132		23K1132	
		Sample Date		11/3/2023		11/3/2023		11/6/2023		11/6/2023		11/6/2023	
		Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit									
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg	0.8	U				0.78	UJ		
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg	0.8	U				0.78	UJ		
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg	0.8	U				0.78	UJ		
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg	2	U				1.9	UJ		
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg	2	U				1.9	UJ		
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg	10	U				9.7	UJ		
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg	10	U				9.7	UJ		
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg	2	U				1.9	UJ		
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg	0.8	U				0.78	UJ		
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg	0.8	U				0.78	UJ		
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg	0.8	U				0.78	UJ		
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg	0.2	U				0.2	U		
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg	0.2	U				0.19	UJ		
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg	0.2	U				0.2	U		
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NA	ug/kg	0.4	U				0.39	UJ		
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg	0.4	U				0.39	UJ		
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg	0.4	U				0.39	UJ		
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg	0.4	U				0.39	UJ		
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg	0.15	J				0.2	J		
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg	0.041	J				0.19	UJ		
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg	0.051	J				0.19	UJ		
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg	1.1					0.19	UJ		
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg	0.2	J				0.19	UJ		
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg	0.078	J				0.39	UJ		
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg	0.2	U				0.19	UJ		
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg	0.2	U				0.19	UJ		
SM 2540G	Total Solids	TSO	NA	%			77.2					78.5	
SW6010D	Aluminum	7429-90-5	NA	mg/kg				11000					
SW6010D	Antimony	7440-36-0	NA	mg/kg				2	U				
SW6010D	Arsenic	7440-38-2	NA	mg/kg				2.9	J				
SW6010D	Barium	7440-39-3	NA	mg/kg				89					
SW6010D	Beryllium	7440-41-7	NA	mg/kg				0.58					
SW6010D	Cadmium	7440-43-9	NA	mg/kg				0.27	J				
SW6010D	Calcium	7440-70-2	NA	mg/kg				62000					
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg				15					
SW6010D	Cobalt	7440-48-4	NA	mg/kg				8.2					
SW6010D	Copper	7440-50-8	NA	mg/kg				16					

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-11 MW-11-0.5-1.0 SO 23K0716-04 23K0684 11/3/2023 N		MW-11 MW-11-0.5-1.0 SO L1674663-04 23K0684 11/3/2023 N		MW-11 MW-11-12.0-13.0 SO 23K1132-02 23K1132 11/6/2023 N		MW-11 MW-11-12.0-13.0 SO 23K1141-02 23K1132 11/6/2023 N		MW-11 MW-11-12.0-13.0 SO L1676443-02 23K1132 11/6/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg							17000					
SW6010D	Lead	7439-92-1	NA	mg/kg							10					
SW6010D	Magnesium	7439-95-4	NA	mg/kg							22000					
SW6010D	Manganese	7439-96-5	NA	mg/kg							620					
SW6010D	Nickel	7440-02-0	NA	mg/kg							18					
SW6010D	Potassium	7440-09-7	NA	mg/kg							2300					
SW6010D	Selenium	7782-49-2	NA	mg/kg							4 U					
SW6010D	Silver	7440-22-4	NA	mg/kg							0.4 U					
SW6010D	Sodium	7440-23-5	NA	mg/kg							160 J					
SW6010D	Thallium	7440-28-0	NA	mg/kg							2 U					
SW6010D	Vanadium	7440-62-2	NA	mg/kg							20					
SW6010D	Zinc	7440-66-6	NA	mg/kg							85					
SW7471B	Mercury	7439-97-6	NA	mg/kg							0.031 U					
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg			0.07 U								0.07 U	
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg			0.07 U								0.07 U	
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg			0.07 U								0.07 U	
SW8151	Dalapon	75-99-0	NA	mg/kg			0.07 U								0.07 U	
SW8151	Dicamba	1918-00-9	NA	mg/kg			0.07 U								0.07 U	
SW8151	Dichloroprop	120-36-5	NA	mg/kg			0.07 U								0.07 U	
SW8151	Dinoseb	88-85-7	NA	mg/kg			0.07 U								0.07 U	
SW8151	MCPA	94-74-6	NA	mg/kg			6.5 U								6.5 U	
SW8151	Mecoprop	93-65-2	NA	mg/kg			6.5 U								6.5 U	
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg			0.07 U								0.07 U	
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.063 U					
SW9014	Cyanide	57-12-5	T	mg/kg							0.49 U					

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-11 MW-11-14.0-15.0 SO 23K1132-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO 23K1141-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO L1676443-03 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1132-01 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1141-01 23K1132 11/6/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8081B	Alachlor	15972-60-8	NA	mg/kg	0.025	U					0.027	U		
8081B	Aldrin	309-00-2	NA	mg/kg	0.0063	U					0.0067	U		
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0063	U					0.0067	U		
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0063	U					0.0067	U		
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0063	U					0.0067	U		
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.01	U					0.011	U		
8081B	Chlordane	57-74-9	NA	mg/kg	0.025	U					0.027	U		
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0063	U					0.0067	U		
8081B	Dieldrin	60-57-1	NA	mg/kg	0.005	U					0.0053	U		
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.01	U					0.011	U		
8081B	Endrin	72-20-8	NA	mg/kg	0.01	U					0.011	U		
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.01	U					0.0041	J		
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.01	U					0.011	U		
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0025	U					0.0027	U		
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0063	U					0.0067	U		
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0063	U					0.0067	U		
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0076	U					0.008	U		
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.063	U					0.067	U		
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.005	U					0.0053	U		
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.005	U					0.0053	U		
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.005	U					0.0053	U		
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.13	U					0.13	U		
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.1	U					0.11	U		
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.1	U					0.11	U		
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.1	U					0.11	U		
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.1	U					0.11	U		
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.1	U					0.11	U		
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.1	U					0.11	U		
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.1	U					0.11	U		
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.1	U					0.11	U		
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.1	U					0.11	U		
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.00079	U					0.001	U		
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.0079	U					0.01	U		
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.0031	U					0.004	U		
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0016	UJ					0.002	UJ		
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.00079	U					0.001	U		
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0016	U					0.002	U		
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.079	U					0.1	U		
8260D	2-Hexanone	591-78-6	NA	mg/kg	0.016	U					0.02	U		
8260D	Acetone	67-64-1	NA	mg/kg	0.079	U					0.1	U		
8260D	Benzene	71-43-2	NA	mg/kg	0.001	J					0.002	U		

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-11 MW-11-14.0-15.0 SO 23K1132-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO 23K1141-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO L1676443-03 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1132-01 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1141-01 23K1132 11/6/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg	0.0016	U							0.002	U		
8260D	Bromodichloromethane	75-27-4	NA	mg/kg	0.0016	U							0.002	U		
8260D	Bromoform	75-25-2	NA	mg/kg	0.0016	U							0.002	U		
8260D	Bromomethane	74-83-9	NA	mg/kg	0.0079	UJ							0.01	UJ		
8260D	Carbon Disulfide	75-15-0	NA	mg/kg	0.0079	U							0.01	U		
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0016	U							0.002	U		
8260D	Chlorobenzene	108-90-7	NA	mg/kg	0.0016	U							0.002	U		
8260D	Chloroethane	75-00-3	NA	mg/kg	0.016	UJ							0.02	UJ		
8260D	Chloroform	67-66-3	NA	mg/kg	0.0031	U							0.004	U		
8260D	Chloromethane	74-87-3	NA	mg/kg	0.0079	U							0.01	U		
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0016	U							0.002	U		
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.00079	U							0.001	U		
8260D	Cyclohexane	110-82-7	NA	mg/kg	0.0079	UJ							0.01	UJ		
8260D	Dibromochloromethane	124-48-1	NA	mg/kg	0.00079	U							0.001	U		
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.016	U							0.02	U		
8260D	Ethylbenzene	100-41-4	NA	mg/kg	0.0016	U							0.002	U		
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0016	U							0.002	U		
8260D	Methyl Acetate	79-20-9	NA	mg/kg	0.0016	U							0.002	U		
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.031	U							0.04	U		
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.016	U							0.02	U		
8260D	Methylcyclohexane	108-87-2	NA	mg/kg	0.0034	U							0.004	U		
8260D	Methylene Chloride	75-09-2	NA	mg/kg	0.016	U							0.02	U		
8260D	Styrene	100-42-5	NA	mg/kg	0.0016	U							0.002	U		
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.0031	U							0.004	U		
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.0016	U							0.002	U		
8260D	Toluene	108-88-3	NA	mg/kg	0.0019	U							0.002	U		
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0016	U							0.002	U		
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.00079	U							0.001	U		
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.0016	U							0.002	U		
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.0079	U							0.01	U		
8260D	Vinyl Chloride	75-01-4	NA	mg/kg	0.0079	U							0.01	U		
8260D	Xylenes	1330-20-7	NA	mg/kg	0.0019	U							0.002	U		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	2.6	U							2.8	U		
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	2.6	U							2.8	U		
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	2.6	U							2.8	U		
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg	2.6	U							2.8	U		
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg	2.6	U							2.8	U		
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg	5	UJ							5.3	UJ		
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	2.6	U							2.8	U		
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	2.6	U							2.8	U		
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg	2.6	U							2.8	U		
8270E	2-Chlorophenol	95-57-8	NA	mg/kg	2.6	U							2.8	U		
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg	1.3	U							1.4	U		
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	2.6	U							2.8	U		
8270E	2-Nitroaniline	88-74-4	NA	mg/kg	2.6	UJ							2.8	UJ		
8270E	2-Nitrophenol	88-75-5	NA	mg/kg	2.6	U							2.8	U		
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	2.6	U							2.8	U		
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	1.3	U							1.4	U		
8270E	3-Nitroaniline	99-09-2	NA	mg/kg	2.6	U							2.8	U		
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	2.6	U							2.8	U		

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-11 MW-11-14.0-15.0 SO 23K1132-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO 23K1141-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO L1676443-03 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1132-01 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1141-01 23K1132 11/6/2023 N		
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit													
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	2.6	U							2.8	U			
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	5	U							5.3	U			
8270E	4-Chloroaniline	106-47-8	NA	mg/kg	5	U							5.3	U			
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	2.6	U							2.8	U			
8270E	4-Nitroaniline	100-01-6	NA	mg/kg	2.6	U							2.8	U			
8270E	4-Nitrophenol	100-02-7	NA	mg/kg	5	U							5.3	U			
8270E	Acenaphthene	83-32-9	NA	mg/kg	1.3	U							1.4	U			
8270E	Acenaphthylene	208-96-8	NA	mg/kg	1.3	U							1.4	U			
8270E	Acetophenone	98-86-2	NA	mg/kg	2.6	U							2.8	U			
8270E	Anthracene	120-12-7	NA	mg/kg	1.3	U							1.4	U			
8270E	Atrazine	1912-24-9	NA	mg/kg	5.1	UJ							5.4	UJ			
8270E	Benzaldehyde	100-52-7	NA	mg/kg	2.6	UJ							2.8	UJ			
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg	1.3	U							1.4	U			
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg	1.3	U							1.4	U			
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	1.3	U							1.4	U			
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	1.3	U							1.4	U			
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	1.3	U							1.4	U			
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	2.6	U							2.8	U			
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg	5.1	U							5.4	U			
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	2.6	U							2.8	U			
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	2.6	U							2.8	U			
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	2.6	UJ							2.8	UJ			
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	2.6	U							2.8	U			
8270E	Caprolactam	105-60-2	NA	mg/kg	2.6	UJ							2.8	UJ			
8270E	Carbazole	86-74-8	NA	mg/kg	1.3	U							1.4	U			
8270E	Chrysene	218-01-9	NA	mg/kg	1.3	U							1.4	U			
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	1.3	U							1.4	U			
8270E	Dibenzofuran	132-64-9	NA	mg/kg	2.6	U							2.8	U			
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg	2.6	U							2.8	U			
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg	2.6	U							2.8	U			
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	2.6	U							2.8	U			
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg	2.6	U							2.8	U			
8270E	Fluoranthene	206-44-0	NA	mg/kg	1.3	U							1.4	U			
8270E	Fluorene	86-73-7	NA	mg/kg	1.3	U							1.4	U			
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg	2.6	U							2.8	U			
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg	2.6	U							2.8	U			
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	2.6	UJ							2.8	UJ			
8270E	Hexachloroethane	67-72-1	NA	mg/kg	2.6	U							2.8	U			
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	1.3	U							1.4	U			
8270E	Isophorone	78-59-1	NA	mg/kg	2.6	U							2.8	U			
8270E	Naphthalene	91-20-3	NA	mg/kg	1.3	U							1.4	U			
8270E	Nitrobenzene	98-95-3	NA	mg/kg	2.6	U							2.8	U			
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	2.6	U							2.8	U			
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	2.6	U							2.8	U			
8270E	Pentachlorophenol	87-86-5	NA	mg/kg	2.6	U							2.8	U			
8270E	Phenanthrene	85-01-8	NA	mg/kg	1.3	U							1.4	U			
8270E	Phenol	108-95-2	NA	mg/kg	2.6	U							2.8	U			
8270E	Pyrene	129-00-0	NA	mg/kg	1.3	U							1.4	U			
A2540G	Solids, Percent	SOLID	NA	%	78.6				79.4				74.1			70.9	
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg					0.78	U						0.79	U

		Location ID Sample ID Lab Sample ID SDG Sample Date Sample Type Code			MW-11 MW-11-14.0-15.0 SO 23K1132-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO 23K1141-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO L1676443-03 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1132-01 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1141-01 23K1132 11/6/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.78	U					0.79	U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.78	U					0.79	UJ
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.78	U					0.79	U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg			1.9	U					2	U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg			1.9	U					2	U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg			9.7	U					9.9	U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg			9.7	U					9.9	U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg			1.9	U					2	U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.78	U					0.79	U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.78	U					0.79	U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.78	U					0.79	U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg			0.19	U					0.2	U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.19	U					0.2	U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg			0.19	U					0.2	U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.19	U					0.2	U
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.78	U					0.43	J
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.19	UJ					0.2	UJ
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.19	UJ					0.2	UJ
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg			0.19	UJ					0.2	UJ
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.19	U					0.018	J
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg			0.19	UJ					0.2	UJ
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.029	J					0.05	J
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg			0.19	U					0.2	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.19	U					0.2	U
SM 2540G	Total Solids	TSO	NA	%					82.5					
SW6010D	Aluminum	7429-90-5	NA	mg/kg	11000						18000			
SW6010D	Antimony	7440-36-0	NA	mg/kg	2.1	U					2.2	U		
SW6010D	Arsenic	7440-38-2	NA	mg/kg	3.6	J					4	J		
SW6010D	Barium	7440-39-3	NA	mg/kg	86						110			
SW6010D	Beryllium	7440-41-7	NA	mg/kg	0.56						0.84			
SW6010D	Cadmium	7440-43-9	NA	mg/kg	0.26	J					0.45	U		
SW6010D	Calcium	7440-70-2	NA	mg/kg	79000						56000			
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg	16						24			
SW6010D	Cobalt	7440-48-4	NA	mg/kg	6.5						12			
SW6010D	Copper	7440-50-8	NA	mg/kg	20						16			

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-11 MW-11-14.0-15.0 SO 23K1132-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO 23K1141-03 23K1132 11/6/2023 N		MW-11 MW-11-14.0-15.0 SO L1676443-03 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1132-01 23K1132 11/6/2023 N		MW-11 MW-11-8.0-10.0 SO 23K1141-01 23K1132 11/6/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg	17000								23000			
SW6010D	Lead	7439-92-1	NA	mg/kg	13								7.9			
SW6010D	Magnesium	7439-95-4	NA	mg/kg	37000								14000			
SW6010D	Manganese	7439-96-5	NA	mg/kg	560								620			
SW6010D	Nickel	7440-02-0	NA	mg/kg	16								25			
SW6010D	Potassium	7440-09-7	NA	mg/kg	1800								3400			
SW6010D	Selenium	7782-49-2	NA	mg/kg	4.1 U								4.5 U			
SW6010D	Silver	7440-22-4	NA	mg/kg	0.41 U								0.45 U			
SW6010D	Sodium	7440-23-5	NA	mg/kg	170 J								190 J			
SW6010D	Thallium	7440-28-0	NA	mg/kg	2.1 U								2.2 U			
SW6010D	Vanadium	7440-62-2	NA	mg/kg	21								32			
SW6010D	Zinc	7440-66-6	NA	mg/kg	85								58			
SW7471B	Mercury	7439-97-6	NA	mg/kg	0.09								0.034 U			
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg							0.07 U					
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg							0.07 U					
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg							0.07 U					
SW8151	Dalapon	75-99-0	NA	mg/kg							0.07 U					
SW8151	Dicamba	1918-00-9	NA	mg/kg							0.07 U					
SW8151	Dichloroprop	120-36-5	NA	mg/kg							0.07 U					
SW8151	Dinoseb	88-85-7	NA	mg/kg							0.07 U					
SW8151	MCPA	94-74-6	NA	mg/kg							6.5 U					
SW8151	Mecoprop	93-65-2	NA	mg/kg							6.5 U					
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg							0.07 U					
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.064 U								0.066 U			
SW9014	Cyanide	57-12-5	T	mg/kg	1.3								0.49 U			

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-11 MW-11-8.0-10.0 SO L1676443-01 23K1132 11/6/2023 N	MW-12 MW-12-1.5-2.0 SO 23K2294-01 23K2294 11/15/2023 N	MW-12 MW-12-1.5-2.0 SO 23K2296-01 23K2294 11/15/2023 N	MW-12 MW-12-1.5-2.0 SO L1679663-01 23K2294 11/15/2023 N	MW-12 MW-12-1.5-2.0-D SO 23K2294-02 23K2294 11/15/2023 FD
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8081B	Alachlor	15972-60-8	NA	mg/kg		0.024	U		0.12
8081B	Aldrin	309-00-2	NA	mg/kg		0.006	U		0.03
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg		0.006	U		0.03
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg		0.006	U		0.03
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg		0.006	U		0.03
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg		0.0096	U		0.048
8081B	Chlordane	57-74-9	NA	mg/kg		0.024	U		0.12
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg		0.006	U		0.03
8081B	Dieldrin	60-57-1	NA	mg/kg		0.0048	U		0.024
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg		0.0096	U		0.048
8081B	Endrin	72-20-8	NA	mg/kg		0.0096	U		0.048
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg		0.0096	U		0.048
8081B	Endrin Ketone	53494-70-5	NA	mg/kg		0.0096	U		0.048
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg		0.0024	U		0.012
8081B	Heptachlor	76-44-8	NA	mg/kg		0.006	U		0.03
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg		0.006	U		0.03
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg		0.0072	U		0.036
8081B	Methoxychlor	72-43-5	NA	mg/kg		0.06	U		0.3
8081B	P,P'-DDD	72-54-8	NA	mg/kg		0.0048	U		0.024
8081B	P,P'-DDE	72-55-9	NA	mg/kg		0.0048	U		0.024
8081B	P,P'-DDT	50-29-3	NA	mg/kg		0.0048	UJ		0.024
8081B	Toxaphene	8001-35-2	NA	mg/kg		0.12	U		0.6
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg		0.096	U		0.096
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg		0.096	U		0.096
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg		0.096	U		0.096
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg		0.096	U		0.096
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg		0.096	U		0.096
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg		0.096	U		0.096
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg		0.096	U		0.096
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg		0.096	U		0.096
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg		0.096	U		0.096
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg		0.002	U		0.0021
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg		0.001	U		0.0011
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg		0.01	U		0.011
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg		0.002	U		0.0021
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg		0.002	U		0.0021
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg		0.0041	U		0.0043
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg		0.002	U		0.0021
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg		0.002	U		0.0021
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg		0.002	UJ		0.0021
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg		0.001	U		0.0011
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg		0.002	U		0.0021
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg		0.002	U		0.0021
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg		0.002	U		0.0021
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg		0.002	U		0.0021
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg		0.002	U		0.0021
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg		0.1	U		0.11
8260D	2-Hexanone	591-78-6	NA	mg/kg		0.02	U		0.021
8260D	Acetone	67-64-1	NA	mg/kg		0.021	J		0.0098
8260D	Benzene	71-43-2	NA	mg/kg		0.002	U		0.0021

					Location ID		MW-11		MW-12		MW-12		MW-12		MW-12	
					Sample ID		MW-11-8.0-10.0		MW-12-1.5-2.0		MW-12-1.5-2.0		MW-12-1.5-2.0		MW-12-1.5-2.0-D	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		L1676443-01		23K2294-01		23K2296-01		23K2294-01		23K2294-02	
					SDG		23K1132		23K2294		23K2294		23K2294		23K2294	
					Sample Date		11/6/2023		11/15/2023		11/15/2023		11/15/2023		11/15/2023	
					Sample Type Code		N		N		N		N		FD	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg					0.002	U					0.0021	U
8260D	Bromodichloromethane	75-27-4	NA	mg/kg					0.002	U					0.0021	U
8260D	Bromoform	75-25-2	NA	mg/kg					0.002	U					0.0021	U
8260D	Bromomethane	74-83-9	NA	mg/kg					0.01	UJ					0.011	UJ
8260D	Carbon Disulfide	75-15-0	NA	mg/kg					0.01	U					0.011	U
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg					0.002	U					0.0021	U
8260D	Chlorobenzene	108-90-7	NA	mg/kg					0.002	U					0.0021	U
8260D	Chloroethane	75-00-3	NA	mg/kg					0.02	U					0.021	U
8260D	Chloroform	67-66-3	NA	mg/kg					0.0041	U					0.0043	U
8260D	Chloromethane	74-87-3	NA	mg/kg					0.01	U					0.011	U
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg					0.002	U					0.0021	U
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg					0.001	U					0.0011	U
8260D	Cyclohexane	110-82-7	NA	mg/kg					0.01	UJ					0.011	UJ
8260D	Dibromochloromethane	124-48-1	NA	mg/kg					0.001	U					0.0011	U
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg					0.02	UJ					0.021	UJ
8260D	Ethylbenzene	100-41-4	NA	mg/kg					0.002	U					0.0021	U
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					0.002	U					0.0021	U
8260D	Methyl Acetate	79-20-9	NA	mg/kg					0.002	U					0.0021	U
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					0.041	U					0.043	U
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					0.02	U					0.021	U
8260D	Methylcyclohexane	108-87-2	NA	mg/kg					0.0023	J					0.0043	U
8260D	Methylene Chloride	75-09-2	NA	mg/kg					0.02	U					0.021	U
8260D	Styrene	100-42-5	NA	mg/kg					0.002	U					0.0021	U
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					0.0041	UJ					0.0043	UJ
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					0.0012	J					0.0021	UJ
8260D	Toluene	108-88-3	NA	mg/kg					0.001	J					0.0021	U
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					0.002	U					0.0021	U
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					0.001	U					0.0011	U
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					0.0012	J					0.0021	U
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg					0.01	U					0.011	U
8260D	Vinyl Chloride	75-01-4	NA	mg/kg					0.01	U					0.011	U
8260D	Xylenes	1330-20-7	NA	mg/kg					0.002	U					0.0021	U
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg					0.43	U					0.42	U
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg					0.43	U					0.42	U
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg					0.43	U					0.42	U
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg					0.43	U					0.42	U
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg					0.43	U					0.42	U
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg					0.83	U					0.82	U
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg					0.43	U					0.42	U
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg					0.43	U					0.42	U
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg					0.43	U					0.42	U
8270E	2-Chlorophenol	95-57-8	NA	mg/kg					0.43	U					0.42	U
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg					0.21	U					0.21	U
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg					0.43	U					0.42	U
8270E	2-Nitroaniline	88-74-4	NA	mg/kg					0.43	U					0.42	U
8270E	2-Nitrophenol	88-75-5	NA	mg/kg					0.43	U					0.42	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg					0.43	U					0.42	U
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg					0.21	UJ					0.21	U
8270E	3-Nitroaniline	99-09-2	NA	mg/kg					0.43	U					0.42	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg					0.43	U					0.42	U

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					MW-11 MW-11-8.0-10.0 SO L1676443-01 23K1132 11/6/2023 N		MW-12 MW-12-1.5-2.0 SO 23K2294-01 23K2294 11/15/2023 N		MW-12 MW-12-1.5-2.0 SO 23K2296-01 23K2294 11/15/2023 N		MW-12 MW-12-1.5-2.0 SO L1679663-01 23K2294 11/15/2023 N		MW-12 MW-12-1.5-2.0-D SO 23K2294-02 23K2294 11/15/2023 FD	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg			0.43	U					0.42	U
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg			0.83	U					0.82	U
8270E	4-Chloroaniline	106-47-8	NA	mg/kg			0.83	UJ					0.82	U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg			0.43	U					0.42	U
8270E	4-Nitroaniline	100-01-6	NA	mg/kg			0.43	U					0.42	U
8270E	4-Nitrophenol	100-02-7	NA	mg/kg			0.83	U					0.82	U
8270E	Acenaphthene	83-32-9	NA	mg/kg			0.21	U					0.21	U
8270E	Acenaphthylene	208-96-8	NA	mg/kg			0.21	U					0.21	U
8270E	Acetophenone	98-86-2	NA	mg/kg			0.43	U					0.42	U
8270E	Anthracene	120-12-7	NA	mg/kg			0.21	U					0.21	U
8270E	Atrazine	1912-24-9	NA	mg/kg			0.85	UJ					0.84	UJ
8270E	Benzaldehyde	100-52-7	NA	mg/kg			0.43	UJ					0.42	UJ
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg			0.21	U					0.21	U
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg			0.078	J					0.21	U
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg			0.12	J					0.21	U
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg			0.21	U					0.21	U
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg			0.21	U					0.21	U
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg			0.43	U					0.42	U
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg			0.85	U					0.84	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg			0.43	U					0.42	U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg			0.43	U					0.42	U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg			0.43	U					0.42	U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg			0.43	U					0.42	U
8270E	Caprolactam	105-60-2	NA	mg/kg			0.43	UJ					0.42	UJ
8270E	Carbazole	86-74-8	NA	mg/kg			0.21	U					0.21	U
8270E	Chrysene	218-01-9	NA	mg/kg			0.094	J					0.21	U
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg			0.21	U					0.21	U
8270E	Dibenzofuran	132-64-9	NA	mg/kg			0.43	U					0.42	U
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg			0.43	U					0.42	U
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg			0.43	U					0.42	U
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg			0.43	U					0.42	U
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg			0.43	UJ					0.42	UJ
8270E	Fluoranthene	206-44-0	NA	mg/kg			0.15	J					0.21	U
8270E	Fluorene	86-73-7	NA	mg/kg			0.21	U					0.21	U
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg			0.43	U					0.42	U
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg			0.43	U					0.42	U
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg			0.43	UJ					0.42	U
8270E	Hexachloroethane	67-72-1	NA	mg/kg			0.43	U					0.42	U
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg			0.21	U					0.21	U
8270E	Isophorone	78-59-1	NA	mg/kg			0.43	U					0.42	U
8270E	Naphthalene	91-20-3	NA	mg/kg			0.21	U					0.21	U
8270E	Nitrobenzene	98-95-3	NA	mg/kg			0.43	U					0.42	U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg			0.43	U					0.42	U
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg			0.43	U					0.42	U
8270E	Pentachlorophenol	87-86-5	NA	mg/kg			0.43	U					0.42	U
8270E	Phenanthrene	85-01-8	NA	mg/kg			0.21	U					0.21	U
8270E	Phenol	108-95-2	NA	mg/kg			0.43	U					0.42	U
8270E	Pyrene	129-00-0	NA	mg/kg			0.12	J					0.21	U
A2540G	Solids, Percent	SOLID	NA	%			79.2			77.3			80.2	
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg						0.79	U			

		Location ID	MW-11	MW-12	MW-12	MW-12	MW-12
		Sample ID	MW-11-8.0-10.0	MW-12-1.5-2.0	MW-12-1.5-2.0	MW-12-1.5-2.0	MW-12-1.5-2.0-D
		Matrix	SO	SO	SO	SO	SO
		Lab Sample ID	L1676443-01	23K2294-01	23K2296-01	L1679663-01	23K2294-02
		SDG	23K1132	23K2294	23K2294	23K2294	23K2294
		Sample Date	11/6/2023	11/15/2023	11/15/2023	11/15/2023	11/15/2023
		Sample Type Code	N	N	N	N	FD
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg		0.79 U	
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg		0.79 UJ	
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg		0.2 J	
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg		2 U	
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg		2 U	
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg		9.8 U	
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg		9.8 U	
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg		2 U	
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg		0.79 U	
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg		0.79 U	
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg		0.79 U	
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg		0.2 U	
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg		0.2 U	
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg		0.2 U	
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg		0.2 U	
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg		0.39 U	
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg		0.39 U	
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg		0.39 U	
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg		0.39 U	
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg		0.2 U	
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg		0.26 J	
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg		0.2 U	
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg		0.2 U	
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg		0.2 U	
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg		0.2 U	
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg		0.2 U	
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg		0.066 J	
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg		0.2 U	
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg		0.11 J	
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg		0.2 U	
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg		0.12 J	
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg		0.2 U	
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg		0.64	
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg		0.3	
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg		0.2 U	
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg		0.12 J	
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg		0.2 U	
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg		0.2 U	
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg		0.2 U	
SM 2540G	Total Solids	TSO	NA	%	78.5		78
SW6010D	Aluminum	7429-90-5	NA	mg/kg	23000		25000
SW6010D	Antimony	7440-36-0	NA	mg/kg	2 UJ		2 U
SW6010D	Arsenic	7440-38-2	NA	mg/kg	4.5		6.4
SW6010D	Barium	7440-39-3	NA	mg/kg	100		87
SW6010D	Beryllium	7440-41-7	NA	mg/kg	0.67		0.78
SW6010D	Cadmium	7440-43-9	NA	mg/kg	0.33 J		0.19 J
SW6010D	Calcium	7440-70-2	NA	mg/kg	4000		3500
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg	29		30
SW6010D	Cobalt	7440-48-4	NA	mg/kg	10		8.8
SW6010D	Copper	7440-50-8	NA	mg/kg	19		25

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-11 MW-11-8.0-10.0 SO L1676443-01 23K1132 11/6/2023 N		MW-12 MW-12-1.5-2.0 SO 23K2294-01 23K2294 11/15/2023 N		MW-12 MW-12-1.5-2.0 SO 23K2296-01 23K2294 11/15/2023 N		MW-12 MW-12-1.5-2.0 SO L1679663-01 23K2294 11/15/2023 N		MW-12 MW-12-1.5-2.0-D SO 23K2294-02 23K2294 11/15/2023 FD	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg					37000						42000	
SW6010D	Lead	7439-92-1	NA	mg/kg					15 J						16	
SW6010D	Magnesium	7439-95-4	NA	mg/kg					5900						6100	
SW6010D	Manganese	7439-96-5	NA	mg/kg					380						270	
SW6010D	Nickel	7440-02-0	NA	mg/kg					23						25	
SW6010D	Potassium	7440-09-7	NA	mg/kg					2300						2300	
SW6010D	Selenium	7782-49-2	NA	mg/kg					4 U						4 U	
SW6010D	Silver	7440-22-4	NA	mg/kg					0.4 U						0.4 U	
SW6010D	Sodium	7440-23-5	NA	mg/kg					170 J						180 J	
SW6010D	Thallium	7440-28-0	NA	mg/kg					2 UJ						2 U	
SW6010D	Vanadium	7440-62-2	NA	mg/kg					36						36	
SW6010D	Zinc	7440-66-6	NA	mg/kg					65						66	
SW7471B	Mercury	7439-97-6	NA	mg/kg					0.061						0.031 J	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg	0.07	U							0.0897	U		
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg	0.07	U							0.0897	U		
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg	0.07	U							0.0897	U		
SW8151	Dalapon	75-99-0	NA	mg/kg	0.07	U							0.0897	U		
SW8151	Dicamba	1918-00-9	NA	mg/kg	0.07	U							0.0897	U		
SW8151	Dichloroprop	120-36-5	NA	mg/kg	0.07	U							0.0897	U		
SW8151	Dinoseb	88-85-7	NA	mg/kg	0.07	U							0.0897	U		
SW8151	MCPA	94-74-6	NA	mg/kg	6.5	U							8.33	U		
SW8151	Mecoprop	93-65-2	NA	mg/kg	6.5	U							8.33	U		
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg	0.07	U							0.0897	U		
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg					0.062	U					0.062	U
SW9014	Cyanide	57-12-5	T	mg/kg					0.58	U					0.57	U

					Location ID		MW-12		MW-12		MW-12		MW-12		MW-12	
					Sample ID		MW-12-1.5-2.0-D		MW-12-1.5-2.0-D		MW-12-13.0-15.0		MW-12-13.0-15.0		MW-12-13.0-15.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K2296-02		L1679663-02		23K2294-04		23K2296-04		L1679663-04	
					SDG		23K2294		23K2294		23K2294		23K2294		23K2294	
					Sample Date		11/15/2023		11/15/2023		11/15/2023		11/15/2023		11/15/2023	
					Sample Type Code		FD		FD		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8081B	Alachlor	15972-60-8	NA	mg/kg							0.024	U				
8081B	Aldrin	309-00-2	NA	mg/kg							0.006	U				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg							0.006	U				
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg							0.006	U				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg							0.006	U				
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg							0.0096	U				
8081B	Chlordane	57-74-9	NA	mg/kg							0.024	U				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg							0.006	U				
8081B	Dieldrin	60-57-1	NA	mg/kg							0.0048	U				
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg							0.0096	U				
8081B	Endrin	72-20-8	NA	mg/kg							0.0096	U				
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg							0.0096	U				
8081B	Endrin Ketone	53494-70-5	NA	mg/kg							0.0096	U				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg							0.0024	U				
8081B	Heptachlor	76-44-8	NA	mg/kg							0.006	U				
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg							0.006	U				
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg							0.0072	U				
8081B	Methoxychlor	72-43-5	NA	mg/kg							0.06	U				
8081B	P,P'-DDD	72-54-8	NA	mg/kg							0.0048	U				
8081B	P,P'-DDE	72-55-9	NA	mg/kg							0.0048	U				
8081B	P,P'-DDT	50-29-3	NA	mg/kg							0.0048	UJ				
8081B	Toxaphene	8001-35-2	NA	mg/kg							0.12	U				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg							0.096	U				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg							0.096	U				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg							0.096	U				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg							0.096	U				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg							0.096	U				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg							0.096	U				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg							0.096	U				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg							0.096	U				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg							0.096	U				
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg							0.0017	U				
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg							0.00086	U				
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg							0.0086	U				
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg							0.0017	U				
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg							0.0017	U				
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg							0.0035	U				
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg							0.0017	U				
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg							0.0017	U				
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg							0.0017	UJ				
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg							0.00086	U				
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg							0.0017	U				
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg							0.0017	U				
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg							0.0017	U				
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg							0.0017	U				
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg							0.0017	U				
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.086	U				
8260D	2-Hexanone	591-78-6	NA	mg/kg							0.017	U				
8260D	Acetone	67-64-1	NA	mg/kg							0.086	U				
8260D	Benzene	71-43-2	NA	mg/kg							0.0017	U				

					Location ID		MW-12		MW-12		MW-12		MW-12		MW-12	
					Sample ID		MW-12-1.5-2.0-D		MW-12-1.5-2.0-D		MW-12-13.0-15.0		MW-12-13.0-15.0		MW-12-13.0-15.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K2296-02		L1679663-02		23K2294-04		23K2296-04		L1679663-04	
					SDG		23K2294		23K2294		23K2294		23K2294		23K2294	
					Sample Date		11/15/2023		11/15/2023		11/15/2023		11/15/2023		11/15/2023	
					Sample Type Code		FD		FD		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg							0.0017	U				
8260D	Bromodichloromethane	75-27-4	NA	mg/kg							0.0017	U				
8260D	Bromoform	75-25-2	NA	mg/kg							0.0017	U				
8260D	Bromomethane	74-83-9	NA	mg/kg							0.0086	UJ				
8260D	Carbon Disulfide	75-15-0	NA	mg/kg							0.0086	U				
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg							0.0017	U				
8260D	Chlorobenzene	108-90-7	NA	mg/kg							0.0017	U				
8260D	Chloroethane	75-00-3	NA	mg/kg							0.017	U				
8260D	Chloroform	67-66-3	NA	mg/kg							0.0035	U				
8260D	Chloromethane	74-87-3	NA	mg/kg							0.0086	U				
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg							0.0016	J				
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg							0.00086	U				
8260D	Cyclohexane	110-82-7	NA	mg/kg							0.0086	UJ				
8260D	Dibromochloromethane	124-48-1	NA	mg/kg							0.00086	U				
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg							0.017	UJ				
8260D	Ethylbenzene	100-41-4	NA	mg/kg							0.0017	U				
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg							0.0017	U				
8260D	Methyl Acetate	79-20-9	NA	mg/kg							0.0017	U				
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg							0.035	U				
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg							0.017	U				
8260D	Methylcyclohexane	108-87-2	NA	mg/kg							0.0035	U				
8260D	Methylene Chloride	75-09-2	NA	mg/kg							0.017	U				
8260D	Styrene	100-42-5	NA	mg/kg							0.0017	U				
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg							0.0035	UJ				
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg							0.0017	UJ				
8260D	Toluene	108-88-3	NA	mg/kg							0.0017	U				
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg							0.0017	U				
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg							0.00086	U				
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg							0.0017	U				
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg							0.0086	U				
8260D	Vinyl Chloride	75-01-4	NA	mg/kg							0.0086	U				
8260D	Xylenes	1330-20-7	NA	mg/kg							0.0017	U				
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg							0.81	U				
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg							0.81	U				
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg							0.81	U				
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg							0.81	U				
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg							0.81	U				
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg							1.6	U				
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg							0.81	U				
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg							0.81	U				
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg							0.81	U				
8270E	2-Chlorophenol	95-57-8	NA	mg/kg							0.81	U				
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg							0.41	U				
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg							0.81	U				
8270E	2-Nitroaniline	88-74-4	NA	mg/kg							0.81	U				
8270E	2-Nitrophenol	88-75-5	NA	mg/kg							0.81	U				
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg							0.81	U				
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg							0.41	U				
8270E	3-Nitroaniline	99-09-2	NA	mg/kg							0.81	U				
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg							0.81	U				

					Location ID		MW-12		MW-12		MW-12		MW-12		MW-12	
					Sample ID		MW-12-1.5-2.0-D		MW-12-1.5-2.0-D		MW-12-13.0-15.0		MW-12-13.0-15.0		MW-12-13.0-15.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K2296-02		L1679663-02		23K2294-04		23K2296-04		L1679663-04	
					SDG		23K2294		23K2294		23K2294		23K2294		23K2294	
					Sample Date		11/15/2023		11/15/2023		11/15/2023		11/15/2023		11/15/2023	
					Sample Type Code		FD		FD		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg							0.81	U				
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg							1.6	U				
8270E	4-Chloroaniline	106-47-8	NA	mg/kg							1.6	U				
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg							0.81	U				
8270E	4-Nitroaniline	100-01-6	NA	mg/kg							0.81	U				
8270E	4-Nitrophenol	100-02-7	NA	mg/kg							1.6	U				
8270E	Acenaphthene	83-32-9	NA	mg/kg							0.41	U				
8270E	Acenaphthylene	208-96-8	NA	mg/kg							0.41	U				
8270E	Acetophenone	98-86-2	NA	mg/kg							0.81	U				
8270E	Anthracene	120-12-7	NA	mg/kg							0.41	U				
8270E	Atrazine	1912-24-9	NA	mg/kg							1.6	UJ				
8270E	Benzaldehyde	100-52-7	NA	mg/kg							0.81	UJ				
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg							0.41	U				
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg							0.41	U				
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg							0.41	U				
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg							0.41	U				
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg							0.41	U				
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg							0.81	U				
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg							1.6	U				
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg							0.81	U				
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg							0.81	U				
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg							0.81	U				
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg							0.81	U				
8270E	Caprolactam	105-60-2	NA	mg/kg							0.81	UJ				
8270E	Carbazole	86-74-8	NA	mg/kg							0.41	U				
8270E	Chrysene	218-01-9	NA	mg/kg							0.41	U				
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg							0.41	U				
8270E	Dibenzofuran	132-64-9	NA	mg/kg							0.81	U				
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg							0.81	U				
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg							0.81	U				
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg							0.81	U				
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg							0.81	UJ				
8270E	Fluoranthene	206-44-0	NA	mg/kg							0.41	U				
8270E	Fluorene	86-73-7	NA	mg/kg							0.41	U				
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg							0.81	U				
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg							0.81	U				
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg							0.81	U				
8270E	Hexachloroethane	67-72-1	NA	mg/kg							0.81	U				
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg							0.41	U				
8270E	Isophorone	78-59-1	NA	mg/kg							0.81	U				
8270E	Naphthalene	91-20-3	NA	mg/kg							0.41	U				
8270E	Nitrobenzene	98-95-3	NA	mg/kg							0.81	U				
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg							0.81	U				
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg							0.81	U				
8270E	Pentachlorophenol	87-86-5	NA	mg/kg							0.81	U				
8270E	Phenanthrene	85-01-8	NA	mg/kg							0.41	U				
8270E	Phenol	108-95-2	NA	mg/kg							0.81	U				
8270E	Pyrene	129-00-0	NA	mg/kg							0.41	U				
A2540G	Solids, Percent	SOLID	NA	%			77.6				83.4				78	
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.79	U							0.78	U

		Location ID		MW-12		MW-12		MW-12		MW-12		MW-12	
		Sample ID		MW-12-1.5-2.0-D		MW-12-1.5-2.0-D		MW-12-13.0-15.0		MW-12-13.0-15.0		MW-12-13.0-15.0	
		Matrix		SO		SO		SO		SO		SO	
		Lab Sample ID		23K2296-02		L1679663-02		23K2294-04		23K2296-04		L1679663-04	
		SDG		23K2294		23K2294		23K2294		23K2294		23K2294	
		Sample Date		11/15/2023		11/15/2023		11/15/2023		11/15/2023		11/15/2023	
		Sample Type Code		FD		FD		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit									
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg	0.79	U				0.78	U		
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg	0.79	U				0.78	U		
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg	0.79	U				0.78	U		
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg	2	U				2	U		
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg	2	U				2	U		
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg	9.8	U				9.8	U		
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg	9.8	U				9.8	U		
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg	2	U				2	U		
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg	0.79	U				0.78	U		
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg	0.79	U				0.78	U		
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg	0.79	U				0.78	U		
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg	0.2	U				0.2	U		
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg	0.2	U				0.2	U		
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg	0.2	U				0.2	U		
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg	0.2	U				0.2	U		
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg	0.39	U				0.39	U		
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg	0.39	U				0.39	U		
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg	0.39	U				0.39	U		
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg	0.39	U				0.39	U		
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg	0.79	U				0.78	U		
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg	0.036	J				0.2	U		
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg	0.073	J				0.2	U		
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg	0.11	J				0.2	U		
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg	0.11	J				0.2	U		
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg	0.57					0.2	U		
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg	0.28					0.2	U		
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg	0.13	J				0.043	J		
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg	0.2	U				0.2	U		
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg	0.2	U				0.2	U		
SM 2540G	Total Solids	TSO	NA	%			78.8					80.9	
SW6010D	Aluminum	7429-90-5	NA	mg/kg				12000					
SW6010D	Antimony	7440-36-0	NA	mg/kg				1.9	U				
SW6010D	Arsenic	7440-38-2	NA	mg/kg				2.9	J				
SW6010D	Barium	7440-39-3	NA	mg/kg				86					
SW6010D	Beryllium	7440-41-7	NA	mg/kg				0.58					
SW6010D	Cadmium	7440-43-9	NA	mg/kg				0.39					
SW6010D	Calcium	7440-70-2	NA	mg/kg				56000					
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg				16					
SW6010D	Cobalt	7440-48-4	NA	mg/kg				7.5					
SW6010D	Copper	7440-50-8	NA	mg/kg				18					

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-12 MW-12-1.5-2.0-D SO 23K2296-02 23K2294 11/15/2023 FD		MW-12 MW-12-1.5-2.0-D SO L1679663-02 23K2294 11/15/2023 FD		MW-12 MW-12-13.0-15.0 SO 23K2294-04 23K2294 11/15/2023 N		MW-12 MW-12-13.0-15.0 SO 23K2296-04 23K2294 11/15/2023 N		MW-12 MW-12-13.0-15.0 SO L1679663-04 23K2294 11/15/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg							17000					
SW6010D	Lead	7439-92-1	NA	mg/kg							12					
SW6010D	Magnesium	7439-95-4	NA	mg/kg							23000					
SW6010D	Manganese	7439-96-5	NA	mg/kg							480					
SW6010D	Nickel	7440-02-0	NA	mg/kg							18					
SW6010D	Potassium	7440-09-7	NA	mg/kg							2300					
SW6010D	Selenium	7782-49-2	NA	mg/kg							3.8	U				
SW6010D	Silver	7440-22-4	NA	mg/kg							0.38	U				
SW6010D	Sodium	7440-23-5	NA	mg/kg							220					
SW6010D	Thallium	7440-28-0	NA	mg/kg							1.9	U				
SW6010D	Vanadium	7440-62-2	NA	mg/kg							20					
SW6010D	Zinc	7440-66-6	NA	mg/kg							91					
SW7471B	Mercury	7439-97-6	NA	mg/kg							0.03	U				
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg				0.0889	U						0.0866	U
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg				0.0889	U						0.0866	U
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg				0.0889	U						0.0866	U
SW8151	Dalapon	75-99-0	NA	mg/kg				0.0889	U						0.0866	U
SW8151	Dicamba	1918-00-9	NA	mg/kg				0.0889	U						0.0866	U
SW8151	Dichloroprop	120-36-5	NA	mg/kg				0.0889	U						0.0866	U
SW8151	Dinoseb	88-85-7	NA	mg/kg				0.0889	U						0.0866	U
SW8151	MCPA	94-74-6	NA	mg/kg				8.25	U						8.04	U
SW8151	Mecoprop	93-65-2	NA	mg/kg				8.25	U						8.04	U
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg				0.0889	U						0.0866	U
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.059	U				
SW9014	Cyanide	57-12-5	T	mg/kg							0.54	U				

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-12 MW-12-8.0-10.0 SO 23K2294-03 23K2294 11/15/2023 N	MW-12 MW-12-8.0-10.0 SO 23K2296-03 23K2294 11/15/2023 N	MW-12 MW-12-8.0-10.0 SO L1679663-03 23K2294 11/15/2023 N	MW-13 MW-13-1.3-1.8 SO 23K1136-03 23K1136 11/7/2023 N	MW-13 MW-13-1.3-1.8 SO 23K1144-03 23K1136 11/7/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
8081B	Alachlor	15972-60-8	NA	mg/kg	0.025	U			0.025	U
8081B	Aldrin	309-00-2	NA	mg/kg	0.0063	U			0.0064	U
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0063	U			0.0064	U
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0063	U			0.0064	U
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0063	U			0.0064	U
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.01	U			0.01	U
8081B	Chlordane	57-74-9	NA	mg/kg	0.025	U			0.025	U
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0063	U			0.0064	U
8081B	Dieldrin	60-57-1	NA	mg/kg	0.005	U			0.0051	U
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.01	U			0.01	U
8081B	Endrin	72-20-8	NA	mg/kg	0.01	U			0.01	U
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.01	U			0.01	U
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.01	U			0.01	U
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0025	U			0.0025	U
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0063	U			0.0064	U
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0063	U			0.0064	U
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0075	U			0.0076	U
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.063	U			0.064	U
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.005	U			0.0051	U
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.005	U			0.0051	U
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.005	UJ			0.0051	U
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.13	U			0.13	U
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.1	U			0.1	U
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.1	U			0.1	U
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.1	U			0.1	U
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.1	U			0.1	U
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.1	U			0.1	U
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.1	U			0.1	U
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.1	U			0.1	U
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.1	U			0.1	U
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.1	U			0.1	U
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.0011	U			0.0013	U
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.011	U			0.013	U
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.0042	U			0.0051	U
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0021	UJ			0.0026	UJ
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.0011	U			0.0013	U
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0021	U			0.0026	U
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.11	U			0.13	U
8260D	2-Hexanone	591-78-6	NA	mg/kg	0.021	U			0.026	U
8260D	Acetone	67-64-1	NA	mg/kg	0.11	U			0.014	J
8260D	Benzene	71-43-2	NA	mg/kg	0.00072	J			0.0026	U

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-12 MW-12-8.0-10.0 SO 23K2294-03 23K2294 11/15/2023 N		MW-12 MW-12-8.0-10.0 SO 23K2296-03 23K2294 11/15/2023 N		MW-12 MW-12-8.0-10.0 SO L1679663-03 23K2294 11/15/2023 N		MW-13 MW-13-1.3-1.8 SO 23K1136-03 23K1136 11/7/2023 N		MW-13 MW-13-1.3-1.8 SO 23K1144-03 23K1136 11/7/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Bromodichloromethane	75-27-4	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Bromoform	75-25-2	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Bromomethane	74-83-9	NA	mg/kg	0.011	UJ							0.013	UJ		
8260D	Carbon Disulfide	75-15-0	NA	mg/kg	0.011	U							0.013	U		
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Chlorobenzene	108-90-7	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Chloroethane	75-00-3	NA	mg/kg	0.021	U							0.026	UJ		
8260D	Chloroform	67-66-3	NA	mg/kg	0.0042	U							0.0051	U		
8260D	Chloromethane	74-87-3	NA	mg/kg	0.011	U							0.013	U		
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.0011	U							0.0013	U		
8260D	Cyclohexane	110-82-7	NA	mg/kg	0.011	UJ							0.013	UJ		
8260D	Dibromochloromethane	124-48-1	NA	mg/kg	0.0011	U							0.0013	U		
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.021	UJ							0.026	U		
8260D	Ethylbenzene	100-41-4	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Methyl Acetate	79-20-9	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.042	U							0.051	U		
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.021	U							0.026	U		
8260D	Methylcyclohexane	108-87-2	NA	mg/kg	0.001	J							0.0051	U		
8260D	Methylene Chloride	75-09-2	NA	mg/kg	0.021	U							0.026	U		
8260D	Styrene	100-42-5	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.0042	UJ							0.0051	U		
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.0021	UJ							0.0026	U		
8260D	Toluene	108-88-3	NA	mg/kg	0.0014	J							0.0026	U		
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.0011	U							0.0013	U		
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.0021	U							0.0026	U		
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.011	U							0.013	U		
8260D	Vinyl Chloride	75-01-4	NA	mg/kg	0.011	U							0.013	U		
8260D	Xylenes	1330-20-7	NA	mg/kg	0.0021	U							0.0026	U		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.44	U							2.6	U		
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.44	U							2.6	U		
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.44	U							2.6	U		
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.44	U							2.6	U		
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.44	U							2.6	U		
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.85	U							5.1	U		
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.44	U							2.6	U		
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.44	U							2.6	U		
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.44	U							2.6	U		
8270E	2-Chlorophenol	95-57-8	NA	mg/kg	0.44	U							2.6	U		
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.22	U							1.3	U		
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.44	U							2.6	U		
8270E	2-Nitroaniline	88-74-4	NA	mg/kg	0.44	U							2.6	UJ		
8270E	2-Nitrophenol	88-75-5	NA	mg/kg	0.44	U							2.6	U		
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.44	U							2.6	U		
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.22	U							1.3	U		
8270E	3-Nitroaniline	99-09-2	NA	mg/kg	0.44	U							2.6	U		
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.44	U							2.6	U		

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code			MW-12 MW-12-8.0-10.0 SO 23K2294-03 23K2294 11/15/2023 N		MW-12 MW-12-8.0-10.0 SO 23K2296-03 23K2294 11/15/2023 N		MW-12 MW-12-8.0-10.0 SO L1679663-03 23K2294 11/15/2023 N		MW-13 MW-13-1.3-1.8 SO 23K1136-03 23K1136 11/7/2023 N		MW-13 MW-13-1.3-1.8 SO 23K1144-03 23K1136 11/7/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.44	U					2.6	U		
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.85	U					5.1	U		
8270E	4-Chloroaniline	106-47-8	NA	mg/kg	0.85	U					5.1	U		
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.44	U					2.6	U		
8270E	4-Nitroaniline	100-01-6	NA	mg/kg	0.44	U					2.6	U		
8270E	4-Nitrophenol	100-02-7	NA	mg/kg	0.85	U					5.1	UJ		
8270E	Acenaphthene	83-32-9	NA	mg/kg	0.22	U					1.3	U		
8270E	Acenaphthylene	208-96-8	NA	mg/kg	0.22	U					1.3	U		
8270E	Acetophenone	98-86-2	NA	mg/kg	0.44	U					2.6	U		
8270E	Anthracene	120-12-7	NA	mg/kg	0.22	U					1.3	U		
8270E	Atrazine	1912-24-9	NA	mg/kg	0.87	UJ					5.2	UJ		
8270E	Benzaldehyde	100-52-7	NA	mg/kg	0.44	UJ					2.6	UJ		
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.22	U					1.3	U		
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.22	U					1.3	U		
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.22	U					1.3	U		
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.22	U					1.3	U		
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.22	U					1.3	U		
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.44	U					2.6	U		
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg	0.87	U					5.2	U		
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.44	U					2.6	U		
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.44	U					2.6	U		
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.44	U					2.6	UJ		
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.44	U					2.6	U		
8270E	Caprolactam	105-60-2	NA	mg/kg	0.44	UJ					2.6	UJ		
8270E	Carbazole	86-74-8	NA	mg/kg	0.22	U					1.3	U		
8270E	Chrysene	218-01-9	NA	mg/kg	0.22	U					1.3	U		
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.22	U					1.3	U		
8270E	Dibenzofuran	132-64-9	NA	mg/kg	0.44	U					2.6	U		
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg	0.44	U					2.6	U		
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.44	U					2.6	U		
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.44	U					2.6	U		
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.44	UJ					2.6	U		
8270E	Fluoranthene	206-44-0	NA	mg/kg	0.22	U					1.3	U		
8270E	Fluorene	86-73-7	NA	mg/kg	0.22	U					1.3	U		
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg	0.44	U					2.6	U		
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.44	U					2.6	U		
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.44	U					2.6	UJ		
8270E	Hexachloroethane	67-72-1	NA	mg/kg	0.44	U					2.6	U		
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.22	U					1.3	U		
8270E	Isophorone	78-59-1	NA	mg/kg	0.44	U					2.6	U		
8270E	Naphthalene	91-20-3	NA	mg/kg	0.22	U					1.3	U		
8270E	Nitrobenzene	98-95-3	NA	mg/kg	0.44	U					2.6	U		
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.44	U					2.6	U		
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.44	U					2.6	U		
8270E	Pentachlorophenol	87-86-5	NA	mg/kg	0.44	U					2.6	U		
8270E	Phenanthrene	85-01-8	NA	mg/kg	0.22	U					1.3	U		
8270E	Phenol	108-95-2	NA	mg/kg	0.44	U					2.6	U		
8270E	Pyrene	129-00-0	NA	mg/kg	0.22	U					1.3	U		
A2540G	Solids, Percent	SOLID	NA	%	77.4		79.2				77.7		77.7	
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.78	U					0.8	UJ

		Location ID Sample ID Lab Sample ID SDG Sample Date Sample Type Code			MW-12 MW-12-8.0-10.0 SO 23K2294-03 23K2294 11/15/2023 N		MW-12 MW-12-8.0-10.0 SO 23K2296-03 23K2294 11/15/2023 N		MW-12 MW-12-8.0-10.0 SO L1679663-03 23K2294 11/15/2023 N		MW-13 MW-13-1.3-1.8 SO 23K1136-03 23K1136 11/7/2023 N		MW-13 MW-13-1.3-1.8 SO 23K1144-03 23K1136 11/7/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.78	U					0.8	UJ
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.78	U					0.8	UJ
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.78	U					0.48	J
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg			2	U					2	UJ
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg			2	U					2	UJ
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg			9.8	U					9.9	UJ
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg			9.8	U					9.9	UJ
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg			2	U					2	UJ
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.78	U					0.8	UJ
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.78	U					0.8	UJ
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.78	U					0.8	UJ
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg			0.2	U					0.2	UJ
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.2	U					0.2	UJ
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg			0.2	U					0.2	UJ
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.2	U					0.2	UJ
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.39	U					0.4	UJ
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.39	U					0.4	UJ
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.39	U					0.4	UJ
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.39	U					0.4	UJ
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.78	U					0.16	J
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.039	J					0.034	J
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg			0.2	U					0.2	UJ
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.2	U					0.2	UJ
SM 2540G	Total Solids	TSO	NA	%					80.6					
SW6010D	Aluminum	7429-90-5	NA	mg/kg	15000						29000			
SW6010D	Antimony	7440-36-0	NA	mg/kg	2.1	U					2.1	U		
SW6010D	Arsenic	7440-38-2	NA	mg/kg	6						3	J		
SW6010D	Barium	7440-39-3	NA	mg/kg	81						160			
SW6010D	Beryllium	7440-41-7	NA	mg/kg	0.69						1.2			
SW6010D	Cadmium	7440-43-9	NA	mg/kg	0.41	U					0.42	U		
SW6010D	Calcium	7440-70-2	NA	mg/kg	75000						4800			
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg	20						31			
SW6010D	Cobalt	7440-48-4	NA	mg/kg	11						12			
SW6010D	Copper	7440-50-8	NA	mg/kg	27						26			

					Location ID	MW-12	MW-12	MW-12	MW-13	MW-13
					Sample ID	MW-12-8.0-10.0	MW-12-8.0-10.0	MW-12-8.0-10.0	MW-13-1.3-1.8	MW-13-1.3-1.8
					Matrix	SO	SO	SO	SO	SO
					Lab Sample ID	23K2294-03	23K2296-03	L1679663-03	23K1136-03	23K1144-03
					SDG	23K2294	23K2294	23K2294	23K1136	23K1136
					Sample Date	11/15/2023	11/15/2023	11/15/2023	11/7/2023	11/7/2023
					Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
SW6010D	Iron	7439-89-6	NA	mg/kg	33000				39000	
SW6010D	Lead	7439-92-1	NA	mg/kg	7.1				9.5	
SW6010D	Magnesium	7439-95-4	NA	mg/kg	12000				8500	
SW6010D	Manganese	7439-96-5	NA	mg/kg	870				560	
SW6010D	Nickel	7440-02-0	NA	mg/kg	24				35	
SW6010D	Potassium	7440-09-7	NA	mg/kg	2400				2500	
SW6010D	Selenium	7782-49-2	NA	mg/kg	4.1 U				4.2 U	
SW6010D	Silver	7440-22-4	NA	mg/kg	0.41 U				2.6	
SW6010D	Sodium	7440-23-5	NA	mg/kg	240				270	
SW6010D	Thallium	7440-28-0	NA	mg/kg	2.1 U				2.1 U	
SW6010D	Vanadium	7440-62-2	NA	mg/kg	27				37	
SW6010D	Zinc	7440-66-6	NA	mg/kg	46				73	
SW7471B	Mercury	7439-97-6	NA	mg/kg	0.032 U				0.027 J	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg				0.0869 U		
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg				0.0869 U		
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg				0.0869 U		
SW8151	Dalapon	75-99-0	NA	mg/kg				0.0869 U		
SW8151	Dicamba	1918-00-9	NA	mg/kg				0.0869 U		
SW8151	Dichloroprop	120-36-5	NA	mg/kg				0.0869 U		
SW8151	Dinoseb	88-85-7	NA	mg/kg				0.0869 U		
SW8151	MCPA	94-74-6	NA	mg/kg				8.07 U		
SW8151	Mecoprop	93-65-2	NA	mg/kg				8.07 U		
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg				0.0869 U		
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.064 UJ				0.064 U	
SW9014	Cyanide	57-12-5	T	mg/kg	0.63 U				0.58 U	

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-13 MW-13-1.3-1.8 SO L1676441-03 23K1136 11/7/2023 N	MW-13 MW-13-11.0-13.0 SO 23K1571-02 23K1571 11/9/2023 N	MW-13 MW-13-11.0-13.0 SO 23K1575-02 23K1571 11/9/2023 N	MW-13 MW-13-11.0-13.0 SO L1677613-02 23K1571 11/9/2023 N	MW-13 MW-13-13.0-15.3 SO 23K1571-03 23K1571 11/9/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8081B	Alachlor	15972-60-8	NA	mg/kg		0.025	U		0.023
8081B	Aldrin	309-00-2	NA	mg/kg		0.0063	U		0.0058
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg		0.0063	U		0.0058
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg		0.0063	U		0.0058
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg		0.0063	U		0.0058
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg		0.01	U		0.0093
8081B	Chlordane	57-74-9	NA	mg/kg		0.025	U		0.023
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg		0.0063	U		0.0058
8081B	Dieldrin	60-57-1	NA	mg/kg		0.0051	U		0.0046
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg		0.01	U		0.0093
8081B	Endrin	72-20-8	NA	mg/kg		0.01	U		0.0093
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg		0.01	U		0.0093
8081B	Endrin Ketone	53494-70-5	NA	mg/kg		0.01	U		0.0093
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg		0.0025	U		0.0023
8081B	Heptachlor	76-44-8	NA	mg/kg		0.0063	U		0.0058
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg		0.0063	U		0.0058
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg		0.0076	U		0.007
8081B	Methoxychlor	72-43-5	NA	mg/kg		0.063	U		0.058
8081B	P,P'-DDD	72-54-8	NA	mg/kg		0.0051	U		0.0046
8081B	P,P'-DDE	72-55-9	NA	mg/kg		0.0051	U		0.0046
8081B	P,P'-DDT	50-29-3	NA	mg/kg		0.0051	U		0.0046
8081B	Toxaphene	8001-35-2	NA	mg/kg		0.13	U		0.12
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg		0.1	U		0.093
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg		0.1	U		0.093
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg		0.1	U		0.093
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg		0.1	U		0.093
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg		0.1	U		0.093
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg		0.1	U		0.093
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg		0.1	U		0.093
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg		0.1	U		0.093
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg		0.1	U		0.093
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg		0.0014	U		0.0017
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg		0.00072	U		0.00084
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg		0.0072	U		0.0084
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg		0.0014	U		0.0017
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg		0.0014	U		0.0017
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg		0.0029	U		0.0034
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg		0.0014	U		0.0017
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg		0.0014	U		0.0017
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg		0.0014	UJ		0.0017
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg		0.00072	U		0.00084
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg		0.0014	U		0.0017
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg		0.0014	U		0.0017
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg		0.0014	U		0.0017
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg		0.0014	U		0.0017
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg		0.0014	U		0.0017
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg		0.072	U		0.084
8260D	2-Hexanone	591-78-6	NA	mg/kg		0.014	U		0.017
8260D	Acetone	67-64-1	NA	mg/kg		0.0082	J		0.084
8260D	Benzene	71-43-2	NA	mg/kg		0.0014	U		0.0017

					Location ID		MW-13		MW-13		MW-13		MW-13		MW-13	
					Sample ID		MW-13-1.3-1.8		MW-13-11.0-13.0		MW-13-11.0-13.0		MW-13-11.0-13.0		MW-13-13.0-15.3	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		L1676441-03		23K1571-02		23K1571-02		23K1571-02		23K1571-03	
					SDG		23K1136		23K1571		23K1571		23K1571		23K1571	
					Sample Date		11/7/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg					0.0014	U					0.0017	U
8260D	Bromodichloromethane	75-27-4	NA	mg/kg					0.0014	U					0.0017	U
8260D	Bromoform	75-25-2	NA	mg/kg					0.0014	U					0.0017	U
8260D	Bromomethane	74-83-9	NA	mg/kg					0.0072	UJ					0.0084	UJ
8260D	Carbon Disulfide	75-15-0	NA	mg/kg					0.0072	U					0.0084	U
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg					0.0014	U					0.0017	U
8260D	Chlorobenzene	108-90-7	NA	mg/kg					0.0014	U					0.0017	U
8260D	Chloroethane	75-00-3	NA	mg/kg					0.014	UJ					0.017	UJ
8260D	Chloroform	67-66-3	NA	mg/kg					0.0029	U					0.0034	U
8260D	Chloromethane	74-87-3	NA	mg/kg					0.0072	U					0.0084	U
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg					0.0014	U					0.0017	U
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg					0.00072	U					0.00084	U
8260D	Cyclohexane	110-82-7	NA	mg/kg					0.0072	UJ					0.0084	UJ
8260D	Dibromochloromethane	124-48-1	NA	mg/kg					0.00072	U					0.00084	U
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg					0.014	U					0.017	U
8260D	Ethylbenzene	100-41-4	NA	mg/kg					0.0014	U					0.0017	U
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					0.0014	U					0.0017	U
8260D	Methyl Acetate	79-20-9	NA	mg/kg					0.0014	U					0.0017	U
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					0.029	U					0.034	U
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					0.014	U					0.017	U
8260D	Methylcyclohexane	108-87-2	NA	mg/kg					0.0029	U					0.00071	J
8260D	Methylene Chloride	75-09-2	NA	mg/kg					0.014	U					0.017	U
8260D	Styrene	100-42-5	NA	mg/kg					0.0014	U					0.0017	U
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					0.0029	UJ					0.0034	UJ
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					0.0014	U					0.0017	U
8260D	Toluene	108-88-3	NA	mg/kg					0.0014	U					0.00069	J
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					0.0014	U					0.0017	U
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					0.00072	U					0.00084	U
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					0.0014	U					0.0017	U
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg					0.0072	U					0.0084	U
8260D	Vinyl Chloride	75-01-4	NA	mg/kg					0.0072	U					0.0084	U
8260D	Xylenes	1330-20-7	NA	mg/kg					0.0014	U					0.0017	U
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg					0.86	U					0.4	U
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg					0.86	U					0.4	U
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg					0.86	U					0.4	U
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg					0.86	U					0.4	U
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg					0.86	U					0.4	U
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg					1.7	U					0.77	U
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg					0.86	U					0.4	U
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg					0.86	U					0.4	U
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg					0.86	U					0.4	U
8270E	2-Chlorophenol	95-57-8	NA	mg/kg					0.86	U					0.4	U
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg					0.43	U					0.2	U
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg					0.86	U					0.4	U
8270E	2-Nitroaniline	88-74-4	NA	mg/kg					0.86	U					0.4	U
8270E	2-Nitrophenol	88-75-5	NA	mg/kg					0.86	U					0.4	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg					0.86	U					0.4	U
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg					0.43	U					0.2	U
8270E	3-Nitroaniline	99-09-2	NA	mg/kg					0.86	U					0.4	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg					0.86	U					0.4	U

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					MW-13 MW-13-1.3-1.8 SO L1676441-03 23K1136 11/7/2023 N	MW-13 MW-13-11.0-13.0 SO 23K1571-02 23K1571 11/9/2023 N	MW-13 MW-13-11.0-13.0 SO 23K1575-02 23K1571 11/9/2023 N	MW-13 MW-13-11.0-13.0 SO L1677613-02 23K1571 11/9/2023 N	MW-13 MW-13-13.0-15.3 SO 23K1571-03 23K1571 11/9/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg		0.86 U			0.4 U
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg		1.7 U			0.77 U
8270E	4-Chloroaniline	106-47-8	NA	mg/kg		1.7 U			0.77 U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg		0.86 U			0.4 U
8270E	4-Nitroaniline	100-01-6	NA	mg/kg		0.86 U			0.4 U
8270E	4-Nitrophenol	100-02-7	NA	mg/kg		1.7 U			0.77 U
8270E	Acenaphthene	83-32-9	NA	mg/kg		0.43 U			0.2 U
8270E	Acenaphthylene	208-96-8	NA	mg/kg		0.43 U			0.2 U
8270E	Acetophenone	98-86-2	NA	mg/kg		0.86 U			0.4 U
8270E	Anthracene	120-12-7	NA	mg/kg		0.43 U			0.2 U
8270E	Atrazine	1912-24-9	NA	mg/kg		1.7 UJ			0.78 UJ
8270E	Benzaldehyde	100-52-7	NA	mg/kg		0.86 UJ			0.4 UJ
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg		0.43 U			0.2 U
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg		0.43 U			0.2 U
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg		0.43 U			0.2 U
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg		0.43 U			0.2 U
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg		0.43 U			0.2 U
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg		0.86 U			0.4 U
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg		1.7 U			0.78 U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg		0.86 U			0.4 U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg		0.86 U			0.4 U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg		0.86 U			0.4 U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg		0.86 U			0.4 U
8270E	Caprolactam	105-60-2	NA	mg/kg		0.86 UJ			0.4 UJ
8270E	Carbazole	86-74-8	NA	mg/kg		0.43 U			0.2 U
8270E	Chrysene	218-01-9	NA	mg/kg		0.43 U			0.2 U
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg		0.43 U			0.2 U
8270E	Dibenzofuran	132-64-9	NA	mg/kg		0.86 U			0.4 U
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg		0.86 U			0.4 U
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg		0.86 U			0.4 U
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg		0.86 U			0.4 U
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg		0.86 U			0.4 U
8270E	Fluoranthene	206-44-0	NA	mg/kg		0.43 U			0.2 U
8270E	Fluorene	86-73-7	NA	mg/kg		0.43 U			0.2 U
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg		0.86 U			0.4 U
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg		0.86 U			0.4 U
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg		0.86 U			0.4 U
8270E	Hexachloroethane	67-72-1	NA	mg/kg		0.86 UJ			0.4 UJ
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg		0.43 U			0.2 U
8270E	Isophorone	78-59-1	NA	mg/kg		0.86 U			0.4 U
8270E	Naphthalene	91-20-3	NA	mg/kg		0.43 U			0.2 U
8270E	Nitrobenzene	98-95-3	NA	mg/kg		0.86 U			0.4 U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg		0.86 U			0.4 U
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg		0.86 U			0.4 U
8270E	Pentachlorophenol	87-86-5	NA	mg/kg		0.86 U			0.4 U
8270E	Phenanthrene	85-01-8	NA	mg/kg		0.43 U			0.2 U
8270E	Phenol	108-95-2	NA	mg/kg		0.86 U			0.4 U
8270E	Pyrene	129-00-0	NA	mg/kg		0.43 U			0.2 U
A2540G	Solids, Percent	SOLID	NA	%		77.4	74.2		86
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.8 U		

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code			MW-13 MW-13-1.3-1.8 SO L1676441-03 23K1136 11/7/2023 N		MW-13 MW-13-11.0-13.0 SO 23K1571-02 23K1571 11/9/2023 N		MW-13 MW-13-11.0-13.0 SO 23K1575-02 23K1571 11/9/2023 N		MW-13 MW-13-11.0-13.0 SO L1677613-02 23K1571 11/9/2023 N		MW-13 MW-13-13.0-15.3 SO 23K1571-03 23K1571 11/9/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg					0.8	U				
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg					0.8	UJ				
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg					0.8	U				
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg					2	U				
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg					2	U				
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg					10	U				
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg					10	U				
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg					2	U				
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg					0.8	U				
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg					0.8	U				
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg					0.8	U				
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg					0.2	U				
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg					0.2	U				
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg					0.2	U				
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg					0.2	U				
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NA	ug/kg					0.4	U				
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg					0.4	U				
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg					0.4	U				
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg					0.4	UJ				
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg					0.2	U				
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg					0.25	J				
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg					0.2	U				
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg					0.2	U				
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg					0.2	UJ				
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg					0.2	U				
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg					0.2	U				
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg					0.2	U				
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg					0.2	U				
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg					0.2	U				
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg					0.2	U				
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg					0.2	U				
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg					0.2	U				
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg					0.2	U				
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg					0.2	U				
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg					0.2	U				
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg					0.031	J				
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg					0.2	U				
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg					0.2	U				
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg					0.2	U				
SM 2540G	Total Solids	TSO	NA	%	77.7						76.3			
SW6010D	Aluminum	7429-90-5	NA	mg/kg			12000						6100	
SW6010D	Antimony	7440-36-0	NA	mg/kg				2.1	U				1.9	U
SW6010D	Arsenic	7440-38-2	NA	mg/kg				3.3	J				2.6	J
SW6010D	Barium	7440-39-3	NA	mg/kg				92					52	
SW6010D	Beryllium	7440-41-7	NA	mg/kg				0.6					0.31	
SW6010D	Cadmium	7440-43-9	NA	mg/kg				0.23	J				0.38	
SW6010D	Calcium	7440-70-2	NA	mg/kg				52000					81000	
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg				17					8.8	
SW6010D	Cobalt	7440-48-4	NA	mg/kg				9					5.7	
SW6010D	Copper	7440-50-8	NA	mg/kg				20					14	

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-13 MW-13-1.3-1.8 SO L1676441-03 23K1136 11/7/2023 N	MW-13 MW-13-11.0-13.0 SO 23K1571-02 23K1571 11/9/2023 N	MW-13 MW-13-11.0-13.0 SO 23K1575-02 23K1571 11/9/2023 N	MW-13 MW-13-11.0-13.0 SO L1677613-02 23K1571 11/9/2023 N	MW-13 MW-13-13.0-15.3 SO 23K1571-03 23K1571 11/9/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
SW6010D	Iron	7439-89-6	NA	mg/kg			24000			13000
SW6010D	Lead	7439-92-1	NA	mg/kg			9.5			16
SW6010D	Magnesium	7439-95-4	NA	mg/kg			17000			35000
SW6010D	Manganese	7439-96-5	NA	mg/kg			560			630
SW6010D	Nickel	7440-02-0	NA	mg/kg			20			9.6
SW6010D	Potassium	7440-09-7	NA	mg/kg			2300			1000
SW6010D	Selenium	7782-49-2	NA	mg/kg			4.1 U			3.7 U
SW6010D	Silver	7440-22-4	NA	mg/kg			0.41 U			0.37 U
SW6010D	Sodium	7440-23-5	NA	mg/kg			160 J			130 J
SW6010D	Thallium	7440-28-0	NA	mg/kg			2.1 U			1.9 U
SW6010D	Vanadium	7440-62-2	NA	mg/kg			22			13
SW6010D	Zinc	7440-66-6	NA	mg/kg			68			86
SW7471B	Mercury	7439-97-6	NA	mg/kg			0.028 U			0.019 J
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg	0.0901	U			0.07 U	
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg	0.0901	U			0.07 U	
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg	0.0901	U			0.07 U	
SW8151	Dalapon	75-99-0	NA	mg/kg	0.0901	U			0.07 U	
SW8151	Dicamba	1918-00-9	NA	mg/kg	0.0901	U			0.07 U	
SW8151	Dichloroprop	120-36-5	NA	mg/kg	0.0901	U			0.07 U	
SW8151	Dinoseb	88-85-7	NA	mg/kg	0.0901	U			0.07 U	
SW8151	MCPA	94-74-6	NA	mg/kg	8.37	U			6.5 U	
SW8151	Mecoprop	93-65-2	NA	mg/kg	8.37	U			6.5 U	
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg	0.0901	U			0.07 U	
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg			0.064 U			0.058 U
SW9014	Cyanide	57-12-5	T	mg/kg			0.52 U			0.45 U

					Location ID		MW-13		MW-13		MW-13		MW-13		MW-13	
					Sample ID		MW-13-13.0-15.3		MW-13-13.0-15.3		MW-13-8.0-10.0		MW-13-8.0-10.0		MW-13-8.0-10.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K1575-03		L1677613-03		23K1571-01		23K1575-01		L1677613-01	
					SDG		23K1571		23K1571		23K1571		23K1571		23K1571	
					Sample Date		11/9/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8081B	Alachlor	15972-60-8	NA	mg/kg							0.027	U				
8081B	Aldrin	309-00-2	NA	mg/kg							0.0066	U				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg							0.0066	U				
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg							0.0066	U				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg							0.0066	U				
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg							0.011	U				
8081B	Chlordane	57-74-9	NA	mg/kg							0.027	U				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg							0.0066	U				
8081B	Dieldrin	60-57-1	NA	mg/kg							0.0053	U				
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg							0.011	U				
8081B	Endrin	72-20-8	NA	mg/kg							0.011	U				
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg							0.011	U				
8081B	Endrin Ketone	53494-70-5	NA	mg/kg							0.011	U				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg							0.0027	U				
8081B	Heptachlor	76-44-8	NA	mg/kg							0.0066	U				
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg							0.0066	U				
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg							0.008	U				
8081B	Methoxychlor	72-43-5	NA	mg/kg							0.066	U				
8081B	P,P'-DDD	72-54-8	NA	mg/kg							0.0053	U				
8081B	P,P'-DDE	72-55-9	NA	mg/kg							0.0053	U				
8081B	P,P'-DDT	50-29-3	NA	mg/kg							0.0053	U				
8081B	Toxaphene	8001-35-2	NA	mg/kg							0.13	U				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg							0.11	U				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg							0.11	U				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg							0.11	U				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg							0.11	U				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg							0.11	U				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg							0.11	U				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg							0.11	U				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg							0.11	U				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg							0.11	U				
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg							0.002	U				
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg							0.001	U				
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg							0.01	U				
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg							0.002	U				
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg							0.002	U				
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg							0.004	U				
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg							0.002	U				
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg							0.002	U				
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg							0.002	UJ				
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg							0.001	U				
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg							0.002	U				
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg							0.002	U				
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg							0.002	U				
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg							0.002	U				
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg							0.002	U				
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.1	U				
8260D	2-Hexanone	591-78-6	NA	mg/kg							0.02	U				
8260D	Acetone	67-64-1	NA	mg/kg							0.1	U				
8260D	Benzene	71-43-2	NA	mg/kg							0.00081	J				

					Location ID		MW-13		MW-13		MW-13		MW-13		MW-13	
					Sample ID		MW-13-13.0-15.3		MW-13-13.0-15.3		MW-13-8.0-10.0		MW-13-8.0-10.0		MW-13-8.0-10.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K1575-03		L1677613-03		23K1571-01		23K1575-01		L1677613-01	
					SDG		23K1571		23K1571		23K1571		23K1571		23K1571	
					Sample Date		11/9/2023		11/9/2023		11/9/2023		11/9/2023		11/9/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg							0.002	U				
8260D	Bromodichloromethane	75-27-4	NA	mg/kg							0.002	U				
8260D	Bromoform	75-25-2	NA	mg/kg							0.002	U				
8260D	Bromomethane	74-83-9	NA	mg/kg							0.01	UJ				
8260D	Carbon Disulfide	75-15-0	NA	mg/kg							0.01	U				
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg							0.002	U				
8260D	Chlorobenzene	108-90-7	NA	mg/kg							0.002	U				
8260D	Chloroethane	75-00-3	NA	mg/kg							0.02	UJ				
8260D	Chloroform	67-66-3	NA	mg/kg							0.004	U				
8260D	Chloromethane	74-87-3	NA	mg/kg							0.01	U				
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg							0.002	U				
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg							0.001	U				
8260D	Cyclohexane	110-82-7	NA	mg/kg							0.01	UJ				
8260D	Dibromochloromethane	124-48-1	NA	mg/kg							0.001	U				
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg							0.02	U				
8260D	Ethylbenzene	100-41-4	NA	mg/kg							0.002	U				
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg							0.002	U				
8260D	Methyl Acetate	79-20-9	NA	mg/kg							0.002	U				
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg							0.04	U				
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg							0.02	U				
8260D	Methylcyclohexane	108-87-2	NA	mg/kg							0.00099	J				
8260D	Methylene Chloride	75-09-2	NA	mg/kg							0.02	U				
8260D	Styrene	100-42-5	NA	mg/kg							0.002	U				
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg							0.004	UJ				
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg							0.002	U				
8260D	Toluene	108-88-3	NA	mg/kg							0.0014	J				
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg							0.002	U				
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg							0.001	U				
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg							0.002	U				
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg							0.01	U				
8260D	Vinyl Chloride	75-01-4	NA	mg/kg							0.01	U				
8260D	Xylenes	1330-20-7	NA	mg/kg							0.002	U				
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg							0.45	U				
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg							0.45	U				
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg							0.45	U				
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg							0.45	U				
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg							0.45	U				
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg							0.87	U				
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg							0.45	U				
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg							0.45	U				
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg							0.45	U				
8270E	2-Chlorophenol	95-57-8	NA	mg/kg							0.45	U				
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg							0.22	U				
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg							0.45	U				
8270E	2-Nitroaniline	88-74-4	NA	mg/kg							0.45	U				
8270E	2-Nitrophenol	88-75-5	NA	mg/kg							0.45	U				
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg							0.45	U				
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg							0.22	U				
8270E	3-Nitroaniline	99-09-2	NA	mg/kg							0.45	U				
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg							0.45	U				

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					MW-13 MW-13-13.0-15.3 SO 23K1575-03 23K1571 11/9/2023 N		MW-13 MW-13-13.0-15.3 SO L1677613-03 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO 23K1571-01 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO 23K1575-01 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO L1677613-01 23K1571 11/9/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg					0.45	U				
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg					0.87	U				
8270E	4-Chloroaniline	106-47-8	NA	mg/kg					0.87	U				
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg					0.45	U				
8270E	4-Nitroaniline	100-01-6	NA	mg/kg					0.45	U				
8270E	4-Nitrophenol	100-02-7	NA	mg/kg					0.87	U				
8270E	Acenaphthene	83-32-9	NA	mg/kg					0.22	U				
8270E	Acenaphthylene	208-96-8	NA	mg/kg					0.22	U				
8270E	Acetophenone	98-86-2	NA	mg/kg					0.45	U				
8270E	Anthracene	120-12-7	NA	mg/kg					0.22	U				
8270E	Atrazine	1912-24-9	NA	mg/kg					0.89	UJ				
8270E	Benzaldehyde	100-52-7	NA	mg/kg					0.45	UJ				
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg					0.22	U				
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg					0.22	U				
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg					0.22	U				
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg					0.22	U				
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg					0.22	U				
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg					0.45	U				
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg					0.89	U				
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg					0.45	U				
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg					0.45	U				
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg					0.45	U				
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg					0.45	U				
8270E	Caprolactam	105-60-2	NA	mg/kg					0.45	UJ				
8270E	Carbazole	86-74-8	NA	mg/kg					0.22	U				
8270E	Chrysene	218-01-9	NA	mg/kg					0.22	U				
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg					0.22	U				
8270E	Dibenzofuran	132-64-9	NA	mg/kg					0.45	U				
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg					0.45	U				
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg					0.45	U				
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg					0.45	U				
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg					0.45	U				
8270E	Fluoranthene	206-44-0	NA	mg/kg					0.22	U				
8270E	Fluorene	86-73-7	NA	mg/kg					0.22	U				
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg					0.45	U				
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg					0.45	U				
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg					0.45	U				
8270E	Hexachloroethane	67-72-1	NA	mg/kg					0.45	UJ				
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg					0.22	U				
8270E	Isophorone	78-59-1	NA	mg/kg					0.45	U				
8270E	Naphthalene	91-20-3	NA	mg/kg					0.22	U				
8270E	Nitrobenzene	98-95-3	NA	mg/kg					0.45	U				
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg					0.45	U				
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg					0.45	U				
8270E	Pentachlorophenol	87-86-5	NA	mg/kg					0.45	U				
8270E	Phenanthrene	85-01-8	NA	mg/kg					0.22	U				
8270E	Phenol	108-95-2	NA	mg/kg					0.45	U				
8270E	Pyrene	129-00-0	NA	mg/kg					0.22	U				
A2540G	Solids, Percent	SOLID	NA	%	86.4				75.4			79.5		
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg	0.79	U						0.79	U	

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code			MW-13 MW-13-13.0-15.3 SO 23K1575-03 23K1571 11/9/2023 N		MW-13 MW-13-13.0-15.3 SO L1677613-03 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO 23K1571-01 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO 23K1575-01 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO L1677613-01 23K1571 11/9/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg	0.79	U					0.79	U		
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg	0.79	UJ					0.79	UJ		
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg	0.79	U					0.79	U		
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg	2	U					2	U		
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg	2	U					2	U		
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg	9.9	U					9.9	U		
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg	9.9	U					9.9	U		
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg	2	U					2	U		
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg	0.79	U					0.79	U		
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg	0.79	U					0.79	U		
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg	0.79	U					0.79	U		
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg	0.2	U					0.2	U		
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg	0.2	U					0.2	U		
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg	0.2	U					0.2	U		
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg	0.2	U					0.2	U		
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg	0.4	U					0.4	U		
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg	0.4	U					0.4	U		
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg	0.4	U					0.4	U		
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg	0.4	UJ					0.4	UJ		
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg	0.23	J					0.79	U		
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg	0.2	UJ					0.2	UJ		
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg	0.016	J					0.2	U		
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg	0.23						0.2	U		
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg	0.029	J					0.4	U		
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg	0.2	U					0.2	U		
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg	0.2	U					0.2	U		
SM 2540G	Total Solids	TSO	NA	%			89.6						75.4	
SW6010D	Aluminum	7429-90-5	NA	mg/kg					12000					
SW6010D	Antimony	7440-36-0	NA	mg/kg					2.1	U				
SW6010D	Arsenic	7440-38-2	NA	mg/kg					9.9					
SW6010D	Barium	7440-39-3	NA	mg/kg					120					
SW6010D	Beryllium	7440-41-7	NA	mg/kg					0.63					
SW6010D	Cadmium	7440-43-9	NA	mg/kg					0.42	U				
SW6010D	Calcium	7440-70-2	NA	mg/kg					57000					
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg					18					
SW6010D	Cobalt	7440-48-4	NA	mg/kg					9.4					
SW6010D	Copper	7440-50-8	NA	mg/kg					18					

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					MW-13 MW-13-13.0-15.3 SO 23K1575-03 23K1571 11/9/2023 N		MW-13 MW-13-13.0-15.3 SO L1677613-03 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO 23K1571-01 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO 23K1575-01 23K1571 11/9/2023 N		MW-13 MW-13-8.0-10.0 SO L1677613-01 23K1571 11/9/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
SW6010D	Iron	7439-89-6	NA	mg/kg					30000					
SW6010D	Lead	7439-92-1	NA	mg/kg					6					
SW6010D	Magnesium	7439-95-4	NA	mg/kg					13000					
SW6010D	Manganese	7439-96-5	NA	mg/kg					590					
SW6010D	Nickel	7440-02-0	NA	mg/kg					22					
SW6010D	Potassium	7440-09-7	NA	mg/kg					2300					
SW6010D	Selenium	7782-49-2	NA	mg/kg					4.2 U					
SW6010D	Silver	7440-22-4	NA	mg/kg					0.42 U					
SW6010D	Sodium	7440-23-5	NA	mg/kg					180 J					
SW6010D	Thallium	7440-28-0	NA	mg/kg					2.1 U					
SW6010D	Vanadium	7440-62-2	NA	mg/kg					25					
SW6010D	Zinc	7440-66-6	NA	mg/kg					46					
SW7471B	Mercury	7439-97-6	NA	mg/kg					0.03 U					
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg			0.07 U						0.07 U	
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg			0.07 U						0.07 U	
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg			0.07 U						0.07 U	
SW8151	Dalapon	75-99-0	NA	mg/kg			0.07 U						0.07 U	
SW8151	Dicamba	1918-00-9	NA	mg/kg			0.07 U						0.07 U	
SW8151	Dichloroprop	120-36-5	NA	mg/kg			0.07 U						0.07 U	
SW8151	Dinoseb	88-85-7	NA	mg/kg			0.07 U						0.07 U	
SW8151	MCPA	94-74-6	NA	mg/kg			6.5 U						6.5 U	
SW8151	Mecoprop	93-65-2	NA	mg/kg			6.5 U						6.5 U	
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg			0.07 U						0.07 U	
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg					0.066 U					
SW9014	Cyanide	57-12-5	T	mg/kg					0.5 U					

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	PZ-01 PZ-01-1.5-2.0 SO 23K0546-01 23K0546 11/2/2023 N	PZ-01 PZ-01-1.5-2.0 SO 23K0547-01 23K0546 11/2/2023 N	PZ-01 PZ-01-1.5-2.0 SO L1674623-01 23K0546 11/2/2023 N	PZ-01 PZ-01-11.0-13.0 SO 23K0684-02 23K0684 11/3/2023 N	PZ-01 PZ-01-11.0-13.0 SO 23K0716-02 23K0684 11/3/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8081B	Alachlor	15972-60-8	NA	mg/kg	0.025	U		0.022	U
8081B	Aldrin	309-00-2	NA	mg/kg	0.0062	U		0.0055	U
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0062	U		0.0055	U
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0062	U		0.0055	U
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0062	U		0.0055	U
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.0099	U		0.0088	U
8081B	Chlordane	57-74-9	NA	mg/kg	0.025	U		0.022	U
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0062	U		0.0055	U
8081B	Dieldrin	60-57-1	NA	mg/kg	0.005	U		0.0044	U
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.0099	U		0.0088	U
8081B	Endrin	72-20-8	NA	mg/kg	0.0099	U		0.0088	U
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.0099	U		0.0088	U
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.0099	U		0.0088	U
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0025	U		0.0022	U
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0062	U		0.0055	U
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0062	U		0.0055	U
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0074	U		0.0066	U
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.062	U		0.055	U
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.005	U		0.0044	U
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.005	U		0.0044	U
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.005	U		0.0044	U
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.12	U		0.11	U
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.1	U		0.088	U
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.1	U		0.088	U
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.1	U		0.088	U
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.1	U		0.088	U
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.1	U		0.088	U
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.1	U		0.088	U
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.1	U		0.088	U
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.1	U		0.088	U
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.1	U		0.088	U
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0018	U		0.87	U
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.00091	U		0.44	U
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.0091	U		0.87	U
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0018	U		0.87	U
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0018	U		0.87	U
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.0037	U		0.87	U
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0018	U		4.4	U
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0018	U		0.87	U
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0018	UJ		4.4	UJ
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.00091	U		0.44	U
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0018	U		0.87	U
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0018	U		0.87	U
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0018	U		0.87	U
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0018	U		0.87	U
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0018	U		0.87	U
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.091	U		44	U
8260D	2-Hexanone	591-78-6	NA	mg/kg	0.018	U		8.7	UJ
8260D	Acetone	67-64-1	NA	mg/kg	0.0088	J		44	UJ
8260D	Benzene	71-43-2	NA	mg/kg	0.0018	U		0.87	U

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-01 PZ-01-1.5-2.0 SO 23K0546-01 23K0546 11/2/2023 N		PZ-01 PZ-01-1.5-2.0 SO 23K0547-01 23K0546 11/2/2023 N		PZ-01 PZ-01-1.5-2.0 SO L1674623-01 23K0546 11/2/2023 N		PZ-01 PZ-01-11.0-13.0 SO 23K0684-02 23K0684 11/3/2023 N		PZ-01 PZ-01-11.0-13.0 SO 23K0716-02 23K0684 11/3/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg	0.0018	U							0.87	U		
8260D	Bromodichloromethane	75-27-4	NA	mg/kg	0.0018	U							0.87	U		
8260D	Bromoform	75-25-2	NA	mg/kg	0.0018	U							0.87	U		
8260D	Bromomethane	74-83-9	NA	mg/kg	0.0091	UJ							1.7	UJ		
8260D	Carbon Disulfide	75-15-0	NA	mg/kg	0.0091	U							4.4	U		
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0018	U							0.87	U		
8260D	Chlorobenzene	108-90-7	NA	mg/kg	0.0018	U							0.87	U		
8260D	Chloroethane	75-00-3	NA	mg/kg	0.018	UJ							1.7	U		
8260D	Chloroform	67-66-3	NA	mg/kg	0.0037	U							1.7	U		
8260D	Chloromethane	74-87-3	NA	mg/kg	0.0091	U							1.7	UJ		
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0073								0.59	J		
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.00091	U							0.44	U		
8260D	Cyclohexane	110-82-7	NA	mg/kg	0.0091	U							1.7	U		
8260D	Dibromochloromethane	124-48-1	NA	mg/kg	0.00091	U							0.44	U		
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.018	U							1.7	U		
8260D	Ethylbenzene	100-41-4	NA	mg/kg	0.0018	U							0.87	U		
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0018	U							0.87	U		
8260D	Methyl Acetate	79-20-9	NA	mg/kg	0.0018	U							8.7	U		
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.037	U							17	U		
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.018	U							8.7	UJ		
8260D	Methylcyclohexane	108-87-2	NA	mg/kg	0.0037	U							0.87	U		
8260D	Methylene Chloride	75-09-2	NA	mg/kg	0.018	U							4.4	U		
8260D	Styrene	100-42-5	NA	mg/kg	0.0018	U							0.87	U		
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.0037	U							0.87	U		
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.28								24			
8260D	Toluene	108-88-3	NA	mg/kg	0.0018	U							0.87	U		
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0018	U							0.87	U		
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.00091	U							0.44	U		
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.025								3.2			
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.0091	UJ							1.7	U		
8260D	Vinyl Chloride	75-01-4	NA	mg/kg	0.0091	U							1.7	U		
8260D	Xylenes	1330-20-7	NA	mg/kg	0.0018	U							0.87	U		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.43	U							0.38	U		
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.43	U							0.38	U		
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.43	U							0.38	U		
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.43	U							0.38	U		
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.43	U							0.38	U		
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.83	U							0.73	U		
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.43	U							0.38	U		
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.43	U							0.38	U		
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.43	U							0.38	U		
8270E	2-Chlorophenol	95-57-8	NA	mg/kg	0.43	U							0.38	U		
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.21	U							0.19	U		
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.43	U							0.38	U		
8270E	2-Nitroaniline	88-74-4	NA	mg/kg	0.43	U							0.38	U		
8270E	2-Nitrophenol	88-75-5	NA	mg/kg	0.43	U							0.38	U		
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.43	U							0.38	U		
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.21	U							0.19	U		
8270E	3-Nitroaniline	99-09-2	NA	mg/kg	0.43	U							0.38	U		
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.43	U							0.38	U		

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					PZ-01 PZ-01-1.5-2.0 SO 23K0546-01 23K0546 11/2/2023 N	PZ-01 PZ-01-1.5-2.0 SO 23K0547-01 23K0546 11/2/2023 N	PZ-01 PZ-01-1.5-2.0 SO L1674623-01 23K0546 11/2/2023 N	PZ-01 PZ-01-11.0-13.0 SO 23K0684-02 23K0684 11/3/2023 N	PZ-01 PZ-01-11.0-13.0 SO 23K0716-02 23K0684 11/3/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.43	U		0.38	U	
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.83	U		0.73	U	
8270E	4-Chloroaniline	106-47-8	NA	mg/kg	0.83	U		0.73	U	
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.43	U		0.38	U	
8270E	4-Nitroaniline	100-01-6	NA	mg/kg	0.43	U		0.38	U	
8270E	4-Nitrophenol	100-02-7	NA	mg/kg	0.83	U		0.73	U	
8270E	Acenaphthene	83-32-9	NA	mg/kg	0.21	U		0.19	U	
8270E	Acenaphthylene	208-96-8	NA	mg/kg	0.21	U		0.19	U	
8270E	Acetophenone	98-86-2	NA	mg/kg	0.43	U		0.38	U	
8270E	Anthracene	120-12-7	NA	mg/kg	0.21	U		0.19	U	
8270E	Atrazine	1912-24-9	NA	mg/kg	0.84	UJ		0.74	U	
8270E	Benzaldehyde	100-52-7	NA	mg/kg	0.43	UJ		0.38	UJ	
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.089	J		0.19	U	
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.08	J		0.19	U	
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.12	J		0.19	U	
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.21	U		0.19	U	
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.21	U		0.19	U	
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.43	U		0.38	U	
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg	0.84	U		0.74	U	
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.43	U		0.38	U	
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.43	U		0.38	U	
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.43	U		0.38	U	
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.43	U		0.38	U	
8270E	Caprolactam	105-60-2	NA	mg/kg	0.43	UJ		0.38	UJ	
8270E	Carbazole	86-74-8	NA	mg/kg	0.21	U		0.19	U	
8270E	Chrysene	218-01-9	NA	mg/kg	0.088	J		0.19	U	
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.21	U		0.19	U	
8270E	Dibenzofuran	132-64-9	NA	mg/kg	0.43	U		0.38	U	
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg	0.43	U		0.38	U	
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.43	U		0.38	U	
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.43	U		0.38	U	
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.43	U		0.38	U	
8270E	Fluoranthene	206-44-0	NA	mg/kg	0.16	J		0.19	U	
8270E	Fluorene	86-73-7	NA	mg/kg	0.21	U		0.19	U	
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg	0.43	U		0.38	U	
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.43	U		0.38	U	
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.43	UJ		0.38	UJ	
8270E	Hexachloroethane	67-72-1	NA	mg/kg	0.43	U		0.38	U	
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.21	U		0.19	UJ	
8270E	Isophorone	78-59-1	NA	mg/kg	0.43	U		0.38	U	
8270E	Naphthalene	91-20-3	NA	mg/kg	0.21	U		0.19	U	
8270E	Nitrobenzene	98-95-3	NA	mg/kg	0.43	U		0.38	U	
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.43	U		0.38	U	
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.43	U		0.38	UJ	
8270E	Pentachlorophenol	87-86-5	NA	mg/kg	0.43	U		0.38	U	
8270E	Phenanthrene	85-01-8	NA	mg/kg	0.13	J		0.19	U	
8270E	Phenol	108-95-2	NA	mg/kg	0.43	U		0.38	U	
8270E	Pyrene	129-00-0	NA	mg/kg	0.12	J		0.19	U	
A2540G	Solids, Percent	SOLID	NA	%	80			90.6		
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/ka		0.79	U		0.79	U

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code			PZ-01 PZ-01-1.5-2.0 SO 23K0546-01 23K0546 11/2/2023 N		PZ-01 PZ-01-1.5-2.0 SO 23K0547-01 23K0546 11/2/2023 N		PZ-01 PZ-01-1.5-2.0 SO L1674623-01 23K0546 11/2/2023 N		PZ-01 PZ-01-11.0-13.0 SO 23K0684-02 23K0684 11/3/2023 N		PZ-01 PZ-01-11.0-13.0 SO 23K0716-02 23K0684 11/3/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.79	U					0.79	U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.79	U					0.79	U
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.51	J					0.79	U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg			2	U					2	U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg			2	U					2	U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg			9.8	U					9.9	U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg			9.8	U					9.9	U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg			2	U					2	U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.79	U					0.79	U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.79	U					0.79	U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.79	U					0.79	U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg			0.2	U					0.2	U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.2	U					0.2	U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg			0.2	U					0.2	U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.2	U					0.2	U
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.39	U					0.4	U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.79	U					0.79	U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.031	J					0.2	U
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorononanesulfonic acid (PFNS)	68259-12-1	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.29						0.2	U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.079	J					0.2	U
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.058	J					0.4	U
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.2	U					0.2	U
SM 2540G	Total Solids	TSO	NA	%					81					
SW6010D	Aluminum	7429-90-5	NA	mg/kg	19000						8100			
SW6010D	Antimony	7440-36-0	NA	mg/kg	2	U					1.8	U		
SW6010D	Arsenic	7440-38-2	NA	mg/kg	5.4						4.7			
SW6010D	Barium	7440-39-3	NA	mg/kg	120						68			
SW6010D	Beryllium	7440-41-7	NA	mg/kg	1.2						0.4			
SW6010D	Cadmium	7440-43-9	NA	mg/kg	0.39	U					0.55			
SW6010D	Calcium	7440-70-2	NA	mg/kg	2900						110000			
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg	30						11			
SW6010D	Cobalt	7440-48-4	NA	mg/kg	12						5.7			
SW6010D	Copper	7440-50-8	NA	mg/kg	22						14			

					Location ID	PZ-01	PZ-01	PZ-01	PZ-01	PZ-01
					Sample ID	PZ-01-1.5-2.0	PZ-01-1.5-2.0	PZ-01-1.5-2.0	PZ-01-11.0-13.0	PZ-01-11.0-13.0
					Matrix	SO	SO	SO	SO	SO
					Lab Sample ID	23K0546-01	23K0547-01	L1674623-01	23K0684-02	23K0716-02
					SDG	23K0546	23K0546	23K0546	23K0684	23K0684
					Sample Date	11/2/2023	11/2/2023	11/2/2023	11/3/2023	11/3/2023
					Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
SW6010D	Iron	7439-89-6	NA	mg/kg	38000				12000	
SW6010D	Lead	7439-92-1	NA	mg/kg	12				16	
SW6010D	Magnesium	7439-95-4	NA	mg/kg	6500				44000	
SW6010D	Manganese	7439-96-5	NA	mg/kg	450				580	
SW6010D	Nickel	7440-02-0	NA	mg/kg	28				12	
SW6010D	Potassium	7440-09-7	NA	mg/kg	2300				1400	
SW6010D	Selenium	7782-49-2	NA	mg/kg	3.9 U				3.6 U	
SW6010D	Silver	7440-22-4	NA	mg/kg	0.39 U				0.99	
SW6010D	Sodium	7440-23-5	NA	mg/kg	290				220	
SW6010D	Thallium	7440-28-0	NA	mg/kg	2 U				1.8 U	
SW6010D	Vanadium	7440-62-2	NA	mg/kg	31				16	
SW6010D	Zinc	7440-66-6	NA	mg/kg	61				120	
SW7471B	Mercury	7439-97-6	NA	mg/kg	0.065				0.024 U	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg				0.07 U		
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg				0.07 U		
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg				0.07 U		
SW8151	Dalapon	75-99-0	NA	mg/kg				0.07 U		
SW8151	Dicamba	1918-00-9	NA	mg/kg				0.07 U		
SW8151	Dichloroprop	120-36-5	NA	mg/kg				0.07 U		
SW8151	Dinoseb	88-85-7	NA	mg/kg				0.07 U		
SW8151	MCPA	94-74-6	NA	mg/kg				6.5 U		
SW8151	Mecoprop	93-65-2	NA	mg/kg				6.5 U		
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg				0.07 U		
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.063 U				0.055 U	
SW9014	Cyanide	57-12-5	T	mg/kg	0.45 J				0.51 U	

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	PZ-01 PZ-01-11.0-13.0 SO L1674663-02 23K0684 11/3/2023 N	PZ-01 PZ-01-13.0-15.0 SO 23K0684-03 23K0684 11/3/2023 N	PZ-01 PZ-01-13.0-15.0 SO 23K0716-03 23K0684 11/3/2023 N	PZ-01 PZ-01-13.0-15.0 SO L1674663-03 23K0684 11/3/2023 N	PZ-01 PZ-01-8.0-10.0 SO 23K0684-01 23K0684 11/3/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8081B	Alachlor	15972-60-8	NA	mg/kg		0.021	U		0.023
8081B	Aldrin	309-00-2	NA	mg/kg		0.0054	U		0.0056
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg		0.0054	U		0.0056
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg		0.0054	U		0.0056
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg		0.0054	U		0.0056
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg		0.0086	U		0.009
8081B	Chlordane	57-74-9	NA	mg/kg		0.021	U		0.023
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg		0.0054	U		0.0056
8081B	Dieldrin	60-57-1	NA	mg/kg		0.0043	U		0.0045
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg		0.0086	U		0.009
8081B	Endrin	72-20-8	NA	mg/kg		0.0086	U		0.009
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg		0.0086	U		0.009
8081B	Endrin Ketone	53494-70-5	NA	mg/kg		0.0086	U		0.009
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg		0.0021	U		0.0023
8081B	Heptachlor	76-44-8	NA	mg/kg		0.0054	U		0.0056
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg		0.0054	U		0.0056
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg		0.0064	U		0.0068
8081B	Methoxychlor	72-43-5	NA	mg/kg		0.054	U		0.056
8081B	P,P'-DDD	72-54-8	NA	mg/kg		0.0043	U		0.0045
8081B	P,P'-DDE	72-55-9	NA	mg/kg		0.0043	U		0.0045
8081B	P,P'-DDT	50-29-3	NA	mg/kg		0.0043	U		0.0045
8081B	Toxaphene	8001-35-2	NA	mg/kg		0.11	U		0.11
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg		0.086	U		0.092
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg		0.086	U		0.092
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg		0.086	U		0.092
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg		0.086	U		0.092
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg		0.086	U		0.092
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg		0.086	U		0.092
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg		0.086	U		0.092
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg		0.086	U		0.092
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg		0.086	U		0.092
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg		0.48	U		0.97
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg		0.24	U		0.48
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg		0.48	U		0.97
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg		0.48	U		0.97
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg		0.48	U		0.97
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg		0.48	U		0.97
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg		2.4	U		4.8
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg		0.48	U		0.97
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg		2.4	U		4.8
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg		0.24	U		0.48
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg		0.48	U		0.97
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg		0.48	U		0.97
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg		0.48	U		0.97
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg		0.48	U		0.97
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg		0.48	U		0.97
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg		24	U		48
8260D	2-Hexanone	591-78-6	NA	mg/kg		4.8	U		9.7
8260D	Acetone	67-64-1	NA	mg/kg		24	U		48
8260D	Benzene	71-43-2	NA	mg/kg		0.48	U		0.97

					Location ID		PZ-01		PZ-01		PZ-01		PZ-01		PZ-01	
					Sample ID		PZ-01-11.0-13.0		PZ-01-13.0-15.0		PZ-01-13.0-15.0		PZ-01-13.0-15.0		PZ-01-13.0-15.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		L1674663-02		23K0684-03		23K0716-03		23K0684		L1674663-03	
					SDG		23K0684		23K0684		23K0684		23K0684		23K0684	
					Sample Date		11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/3/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg					0.48	U					0.97	U
8260D	Bromodichloromethane	75-27-4	NA	mg/kg					0.48	U					0.97	U
8260D	Bromoform	75-25-2	NA	mg/kg					0.48	U					0.97	U
8260D	Bromomethane	74-83-9	NA	mg/kg					0.95	UJ					1.9	UJ
8260D	Carbon Disulfide	75-15-0	NA	mg/kg					2.4	U					4.8	U
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg					0.48	U					0.97	U
8260D	Chlorobenzene	108-90-7	NA	mg/kg					0.48	U					0.97	U
8260D	Chloroethane	75-00-3	NA	mg/kg					0.95	U					1.9	U
8260D	Chloroform	67-66-3	NA	mg/kg					0.95	U					1.9	U
8260D	Chloromethane	74-87-3	NA	mg/kg					0.95	U					1.9	UJ
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg					0.69						1.5	
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg					0.24	U					0.48	U
8260D	Cyclohexane	110-82-7	NA	mg/kg					0.95	U					1.9	U
8260D	Dibromochloromethane	124-48-1	NA	mg/kg					0.24	U					0.48	U
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg					0.95	U					1.9	U
8260D	Ethylbenzene	100-41-4	NA	mg/kg					0.48	U					0.97	U
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					0.48	U					0.97	U
8260D	Methyl Acetate	79-20-9	NA	mg/kg					4.8	U					9.7	U
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					9.5	U					19	U
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					4.8	U					9.7	UJ
8260D	Methylcyclohexane	108-87-2	NA	mg/kg					0.48	U					0.97	U
8260D	Methylene Chloride	75-09-2	NA	mg/kg					2.4	U					4.8	U
8260D	Styrene	100-42-5	NA	mg/kg					0.48	U					0.97	U
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					0.48	U					0.97	U
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					16						44	
8260D	Toluene	108-88-3	NA	mg/kg					0.48	U					0.97	U
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					0.48	U					0.97	U
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					0.24	U					0.48	U
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					3.1						5.2	
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg					0.95	U					1.9	U
8260D	Vinyl Chloride	75-01-4	NA	mg/kg					0.95	U					1.9	U
8260D	Xylenes	1330-20-7	NA	mg/kg					0.48	U					0.97	U
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg					0.37	U					0.39	U
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg					0.37	U					0.39	U
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg					0.37	U					0.39	U
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg					0.37	U					0.39	U
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg					0.37	U					0.39	U
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg					0.72	U					0.76	U
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg					0.37	U					0.39	U
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg					0.37	U					0.39	U
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg					0.37	U					0.39	U
8270E	2-Chlorophenol	95-57-8	NA	mg/kg					0.37	U					0.39	U
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg					0.18	U					0.2	U
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg					0.37	U					0.39	U
8270E	2-Nitroaniline	88-74-4	NA	mg/kg					0.37	U					0.39	U
8270E	2-Nitrophenol	88-75-5	NA	mg/kg					0.37	U					0.39	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg					0.37	U					0.39	U
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg					0.18	U					0.2	U
8270E	3-Nitroaniline	99-09-2	NA	mg/kg					0.37	U					0.39	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg					0.37	U					0.39	U

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-01 PZ-01-11.0-13.0 SO L1674663-02 23K0684 11/3/2023 N		PZ-01 PZ-01-13.0-15.0 SO 23K0684-03 23K0684 11/3/2023 N		PZ-01 PZ-01-13.0-15.0 SO 23K0716-03 23K0684 11/3/2023 N		PZ-01 PZ-01-13.0-15.0 SO L1674663-03 23K0684 11/3/2023 N		PZ-01 PZ-01-8.0-10.0 SO 23K0684-01 23K0684 11/3/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg					0.37	U					0.39	U
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg					0.72	U					0.76	U
8270E	4-Chloroaniline	106-47-8	NA	mg/kg					0.72	U					0.76	U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg					0.37	U					0.39	U
8270E	4-Nitroaniline	100-01-6	NA	mg/kg					0.37	U					0.39	U
8270E	4-Nitrophenol	100-02-7	NA	mg/kg					0.72	U					0.76	U
8270E	Acenaphthene	83-32-9	NA	mg/kg					0.18	U					0.2	U
8270E	Acenaphthylene	208-96-8	NA	mg/kg					0.18	U					0.2	U
8270E	Acetophenone	98-86-2	NA	mg/kg					0.37	U					0.39	U
8270E	Anthracene	120-12-7	NA	mg/kg					0.18	U					0.2	U
8270E	Atrazine	1912-24-9	NA	mg/kg					0.73	U					0.77	U
8270E	Benzaldehyde	100-52-7	NA	mg/kg					0.37	UJ					0.39	UJ
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg					0.18	U					0.2	U
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg					0.18	U					0.2	U
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg					0.18	U					0.2	U
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg					0.18	U					0.2	U
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg					0.18	U					0.2	U
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg					0.37	U					0.39	U
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg					0.73	U					0.77	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg					0.37	U					0.39	U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg					0.37	U					0.39	U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg					0.37	U					0.39	U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg					0.37	U					0.39	U
8270E	Caprolactam	105-60-2	NA	mg/kg					0.37	UJ					0.39	UJ
8270E	Carbazole	86-74-8	NA	mg/kg					0.18	U					0.2	U
8270E	Chrysene	218-01-9	NA	mg/kg					0.18	U					0.2	U
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg					0.18	U					0.2	U
8270E	Dibenzofuran	132-64-9	NA	mg/kg					0.37	U					0.39	U
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg					0.37	U					0.39	U
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg					0.37	U					0.39	U
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg					0.37	U					0.39	U
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg					0.37	U					0.39	U
8270E	Fluoranthene	206-44-0	NA	mg/kg					0.18	U					0.2	U
8270E	Fluorene	86-73-7	NA	mg/kg					0.18	U					0.2	U
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg					0.37	U					0.39	U
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg					0.37	U					0.39	U
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg					0.37	UJ					0.39	UJ
8270E	Hexachloroethane	67-72-1	NA	mg/kg					0.37	U					0.39	U
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg					0.18	UJ					0.2	UJ
8270E	Isophorone	78-59-1	NA	mg/kg					0.37	U					0.39	U
8270E	Naphthalene	91-20-3	NA	mg/kg					0.18	U					0.2	U
8270E	Nitrobenzene	98-95-3	NA	mg/kg					0.37	U					0.39	U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg					0.37	U					0.39	U
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg					0.37	UJ					0.39	UJ
8270E	Pentachlorophenol	87-86-5	NA	mg/kg					0.37	U					0.39	U
8270E	Phenanthrene	85-01-8	NA	mg/kg					0.18	U					0.2	U
8270E	Phenol	108-95-2	NA	mg/kg					0.37	U					0.39	U
8270E	Pyrene	129-00-0	NA	mg/kg					0.18	U					0.2	U
A2540G	Solids, Percent	SOLID	NA	%					92.3						86.3	
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg								0.77	U			

				Location ID	PZ-01	PZ-01	PZ-01	PZ-01	PZ-01
				Sample ID	PZ-01-11.0-13.0	PZ-01-13.0-15.0	PZ-01-13.0-15.0	PZ-01-13.0-15.0	PZ-01-13.0-15.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	L1674663-02	23K0684-03	23K0716-03	L1674663-03	23K0684-01
				SDG	23K0684	23K0684	23K0684	23K0684	23K0684
				Sample Date	11/3/2023	11/3/2023	11/3/2023	11/3/2023	11/3/2023
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.77	U	
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.77	U	
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.77	U	
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg			1.9	U	
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg			1.9	U	
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg			9.7	U	
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg			9.7	U	
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg			1.9	U	
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.77	U	
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.77	U	
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.77	U	
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg			0.19	U	
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.19	U	
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg			0.19	U	
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.19	U	
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.39	U	
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.39	U	
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.39	U	
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.39	U	
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.19	U	
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.77	U	
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.19	U	
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.19	U	
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg			0.19	U	
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.19	U	
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.19	U	
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.19	U	
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.19	U	
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.19	U	
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg			0.19	U	
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.19	U	
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.19	U	
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.19	U	
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.19	U	
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.19	U	
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.39	U	
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.19	U	
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg			0.19	U	
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.19	U	
SM 2540G	Total Solids	TSO	NA	%	89.6			92	
SW6010D	Aluminum	7429-90-5	NA	mg/kg		4300			8200
SW6010D	Antimony	7440-36-0	NA	mg/kg		1.7	U		1.9
SW6010D	Arsenic	7440-38-2	NA	mg/kg		4.3			4.2
SW6010D	Barium	7440-39-3	NA	mg/kg		59			59
SW6010D	Beryllium	7440-41-7	NA	mg/kg		0.22			0.4
SW6010D	Cadmium	7440-43-9	NA	mg/kg		0.5			0.25
SW6010D	Calcium	7440-70-2	NA	mg/kg		140000			68000
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg		6.8			9.8
SW6010D	Cobalt	7440-48-4	NA	mg/kg		3.1			5.3
SW6010D	Copper	7440-50-8	NA	mg/kg		40			10

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-01 PZ-01-11.0-13.0 SO L1674663-02 23K0684 11/3/2023 N		PZ-01 PZ-01-13.0-15.0 SO 23K0684-03 23K0684 11/3/2023 N		PZ-01 PZ-01-13.0-15.0 SO 23K0716-03 23K0684 11/3/2023 N		PZ-01 PZ-01-13.0-15.0 SO L1674663-03 23K0684 11/3/2023 N		PZ-01 PZ-01-8.0-10.0 SO 23K0684-01 23K0684 11/3/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg				7100							12000	
SW6010D	Lead	7439-92-1	NA	mg/kg				19							14	J
SW6010D	Magnesium	7439-95-4	NA	mg/kg				62000							25000	
SW6010D	Manganese	7439-96-5	NA	mg/kg				540							560	
SW6010D	Nickel	7440-02-0	NA	mg/kg				6.9							12	
SW6010D	Potassium	7440-09-7	NA	mg/kg				1000							1500	
SW6010D	Selenium	7782-49-2	NA	mg/kg				3.5	U						3.7	UJ
SW6010D	Silver	7440-22-4	NA	mg/kg				0.65							0.92	
SW6010D	Sodium	7440-23-5	NA	mg/kg				180							200	
SW6010D	Thallium	7440-28-0	NA	mg/kg				1.7	U						1.9	U
SW6010D	Vanadium	7440-62-2	NA	mg/kg				9.7							15	
SW6010D	Zinc	7440-66-6	NA	mg/kg				110							79	
SW7471B	Mercury	7439-97-6	NA	mg/kg				0.024	U						0.026	U
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg		0.07	U						0.07	U		
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg		0.07	U						0.07	U		
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg		0.07	U						0.07	U		
SW8151	Dalapon	75-99-0	NA	mg/kg		0.07	U						0.07	U		
SW8151	Dicamba	1918-00-9	NA	mg/kg		0.07	U						0.07	U		
SW8151	Dichloroprop	120-36-5	NA	mg/kg		0.07	U						0.07	U		
SW8151	Dinoseb	88-85-7	NA	mg/kg		0.07	U						0.07	U		
SW8151	MCPA	94-74-6	NA	mg/kg		6.5	U						6.5	U		
SW8151	Mecoprop	93-65-2	NA	mg/kg		6.5	U						6.5	U		
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg		0.07	U						0.07	U		
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg				0.054	U						0.058	U
SW9014	Cyanide	57-12-5	T	mg/kg				0.47	U						0.57	U

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-01 PZ-01-8.0-10.0 SO 23K0716-01 23K0684 11/3/2023 N		PZ-01 PZ-01-8.0-10.0 SO L1674663-01 23K0684 11/3/2023 N		PZ-02 PZ-02-1.7-2.2 SO 23K1769-01 23K1769 11/10/2023 N		PZ-02 PZ-02-1.7-2.2 SO 23K1787-01 23K1769 11/10/2023 N		PZ-02 PZ-02-1.7-2.2 SO L1678203-01 23K1769 11/10/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8081B	Alachlor	15972-60-8	NA	mg/kg							0.026	U				
8081B	Aldrin	309-00-2	NA	mg/kg							0.0064	U				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg							0.0064	UJ				
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg							0.0064	U				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg							0.0064	U				
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg							0.01	U				
8081B	Chlordane	57-74-9	NA	mg/kg							0.026	U				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg							0.0064	U				
8081B	Dieldrin	60-57-1	NA	mg/kg							0.0051	U				
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg							0.01	U				
8081B	Endrin	72-20-8	NA	mg/kg							0.01	U				
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg							0.01	U				
8081B	Endrin Ketone	53494-70-5	NA	mg/kg							0.01	U				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg							0.0026	U				
8081B	Heptachlor	76-44-8	NA	mg/kg							0.0064	U				
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg							0.0064	U				
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg							0.0077	U				
8081B	Methoxychlor	72-43-5	NA	mg/kg							0.064	U				
8081B	P,P'-DDD	72-54-8	NA	mg/kg							0.0051	U				
8081B	P,P'-DDE	72-55-9	NA	mg/kg							0.0051	U				
8081B	P,P'-DDT	50-29-3	NA	mg/kg							0.0051	U				
8081B	Toxaphene	8001-35-2	NA	mg/kg							0.13	U				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg							0.1	U				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg							0.1	U				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg							0.1	U				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg							0.1	U				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg							0.1	U				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg							0.1	U				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg							0.1	U				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg							0.1	U				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg							0.1	U				
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg							0.002	U				
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg							0.00099	U				
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg							0.0099	U				
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg							0.002	U				
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg							0.002	U				
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg							0.0039	U				
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg							0.002	U				
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg							0.002	U				
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg							0.002	UJ				
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg							0.00099	U				
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg							0.002	U				
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg							0.002	U				
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg							0.002	U				
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg							0.002	U				
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg							0.002	U				
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.099	U				
8260D	2-Hexanone	591-78-6	NA	mg/kg							0.02	U				
8260D	Acetone	67-64-1	NA	mg/kg							0.01	J				
8260D	Benzene	71-43-2	NA	mg/kg							0.0011	J				

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-01 PZ-01-8.0-10.0 SO 23K0716-01 23K0684 11/3/2023 N		PZ-01 PZ-01-8.0-10.0 SO L1674663-01 23K0684 11/3/2023 N		PZ-02 PZ-02-1.7-2.2 SO 23K1769-01 23K1769 11/10/2023 N		PZ-02 PZ-02-1.7-2.2 SO 23K1787-01 23K1769 11/10/2023 N		PZ-02 PZ-02-1.7-2.2 SO L1678203-01 23K1769 11/10/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg							0.002	U				
8260D	Bromodichloromethane	75-27-4	NA	mg/kg							0.002	U				
8260D	Bromoform	75-25-2	NA	mg/kg							0.002	U				
8260D	Bromomethane	74-83-9	NA	mg/kg							0.0099	UJ				
8260D	Carbon Disulfide	75-15-0	NA	mg/kg							0.0099	U				
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg							0.002	U				
8260D	Chlorobenzene	108-90-7	NA	mg/kg							0.002	U				
8260D	Chloroethane	75-00-3	NA	mg/kg							0.02	UJ				
8260D	Chloroform	67-66-3	NA	mg/kg							0.0039	U				
8260D	Chloromethane	74-87-3	NA	mg/kg							0.0099	U				
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg							0.002	U				
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg							0.00099	U				
8260D	Cyclohexane	110-82-7	NA	mg/kg							0.0099	U				
8260D	Dibromochloromethane	124-48-1	NA	mg/kg							0.00099	U				
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg							0.02	U				
8260D	Ethylbenzene	100-41-4	NA	mg/kg							0.002	U				
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg							0.002	U				
8260D	Methyl Acetate	79-20-9	NA	mg/kg							0.002	U				
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg							0.039	U				
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg							0.02	U				
8260D	Methylcyclohexane	108-87-2	NA	mg/kg							0.0039	U				
8260D	Methylene Chloride	75-09-2	NA	mg/kg							0.02	U				
8260D	Styrene	100-42-5	NA	mg/kg							0.002	U				
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg							0.0039	U				
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg							0.002	U				
8260D	Toluene	108-88-3	NA	mg/kg							0.00077	J				
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg							0.002	U				
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg							0.00099	U				
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg							0.002	U				
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg							0.0099	UJ				
8260D	Vinyl Chloride	75-01-4	NA	mg/kg							0.0099	U				
8260D	Xylenes	1330-20-7	NA	mg/kg							0.002	U				
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg							0.43	U				
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg							0.43	U				
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg							0.43	U				
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg							0.43	U				
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg							0.43	U				
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg							0.83	U				
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg							0.43	U				
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg							0.43	U				
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg							0.43	U				
8270E	2-Chlorophenol	95-57-8	NA	mg/kg							0.43	U				
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg							0.21	U				
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg							0.43	U				
8270E	2-Nitroaniline	88-74-4	NA	mg/kg							0.43	U				
8270E	2-Nitrophenol	88-75-5	NA	mg/kg							0.43	U				
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg							0.43	U				
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg							0.21	U				
8270E	3-Nitroaniline	99-09-2	NA	mg/kg							0.43	U				
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg							0.43	U				

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					PZ-01 PZ-01-8.0-10.0 SO 23K0716-01 23K0684 11/3/2023 N		PZ-01 PZ-01-8.0-10.0 SO L1674663-01 23K0684 11/3/2023 N		PZ-02 PZ-02-1.7-2.2 SO 23K1769-01 23K1769 11/10/2023 N		PZ-02 PZ-02-1.7-2.2 SO 23K1787-01 23K1769 11/10/2023 N		PZ-02 PZ-02-1.7-2.2 SO L1678203-01 23K1769 11/10/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg					0.43	U				
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg					0.83	U				
8270E	4-Chloroaniline	106-47-8	NA	mg/kg					0.83	U				
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg					0.43	U				
8270E	4-Nitroaniline	100-01-6	NA	mg/kg					0.43	U				
8270E	4-Nitrophenol	100-02-7	NA	mg/kg					0.83	U				
8270E	Acenaphthene	83-32-9	NA	mg/kg					0.21	U				
8270E	Acenaphthylene	208-96-8	NA	mg/kg					0.21	U				
8270E	Acetophenone	98-86-2	NA	mg/kg					0.43	U				
8270E	Anthracene	120-12-7	NA	mg/kg					0.21	U				
8270E	Atrazine	1912-24-9	NA	mg/kg					0.84	U				
8270E	Benzaldehyde	100-52-7	NA	mg/kg					0.43	UJ				
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg					0.21	U				
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg					0.21	U				
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg					0.21	U				
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg					0.21	U				
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg					0.21	U				
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg					0.43	U				
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg					0.84	U				
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg					0.43	U				
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg					0.43	U				
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg					0.43	U				
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg					0.11	J				
8270E	Caprolactam	105-60-2	NA	mg/kg					0.43	UJ				
8270E	Carbazole	86-74-8	NA	mg/kg					0.21	U				
8270E	Chrysene	218-01-9	NA	mg/kg					0.21	U				
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg					0.21	U				
8270E	Dibenzofuran	132-64-9	NA	mg/kg					0.43	U				
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg					0.43	U				
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg					0.43	U				
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg					0.43	U				
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg					0.43	U				
8270E	Fluoranthene	206-44-0	NA	mg/kg					0.21	U				
8270E	Fluorene	86-73-7	NA	mg/kg					0.21	U				
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg					0.43	U				
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg					0.43	U				
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg					0.43	U				
8270E	Hexachloroethane	67-72-1	NA	mg/kg					0.43	U				
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg					0.21	U				
8270E	Isophorone	78-59-1	NA	mg/kg					0.43	U				
8270E	Naphthalene	91-20-3	NA	mg/kg					0.21	U				
8270E	Nitrobenzene	98-95-3	NA	mg/kg					0.43	U				
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg					0.43	U				
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg					0.43	U				
8270E	Pentachlorophenol	87-86-5	NA	mg/kg					0.43	U				
8270E	Phenanthrene	85-01-8	NA	mg/kg					0.21	U				
8270E	Phenol	108-95-2	NA	mg/kg					0.43	U				
8270E	Pyrene	129-00-0	NA	mg/kg					0.21	U				
A2540G	Solids, Percent	SOLID	NA	%					78.4					
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg	0.79	U					0.79	U		

				Location ID	PZ-01	PZ-01	PZ-02	PZ-02	PZ-02
				Sample ID	PZ-01-8.0-10.0	PZ-01-8.0-10.0	PZ-02-1.7-2.2	PZ-02-1.7-2.2	PZ-02-1.7-2.2
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	23K0716-01	L1674663-01	23K1769-01	23K1769-01	L1678203-01
				SDG	23K0684	23K0684	23K1769	23K1769	23K1769
				Sample Date	11/3/2023	11/3/2023	11/10/2023	11/10/2023	11/10/2023
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg	0.79 U			0.79 U	
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg	0.79 U			0.79 U	
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg	0.79 U			0.79 U	
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg	2 U			2 U	
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg	2 U			2 U	
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg	9.8 U			9.9 U	
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg	9.8 U			9.9 U	
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg	2 U			2 U	
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg	0.79 U			0.79 U	
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg	0.79 U			0.79 U	
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg	0.79 U			0.79 U	
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg	0.2 U			0.2 U	
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg	0.2 U			0.2 U	
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg	0.2 U			0.2 U	
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg	0.2 U			0.2 U	
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NA	ug/kg	0.39 U			0.4 U	
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg	0.39 U			0.4 U	
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg	0.39 U			0.4 U	
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg	0.39 U			0.4 UJ	
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg	0.79 U			0.79 U	
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg	0.2 U			0.2 UJ	
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg	0.39 U			0.4 U	
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg	0.2 U			0.2 U	
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg	0.2 U			0.2 U	
SM 2540G	Total Solids	TSO	NA	%		83			77.9
SW6010D	Aluminum	7429-90-5	NA	mg/kg			14000		
SW6010D	Antimony	7440-36-0	NA	mg/kg			2 U		
SW6010D	Arsenic	7440-38-2	NA	mg/kg			4.8		
SW6010D	Barium	7440-39-3	NA	mg/kg			84		
SW6010D	Beryllium	7440-41-7	NA	mg/kg			0.65		
SW6010D	Cadmium	7440-43-9	NA	mg/kg			0.4 U		
SW6010D	Calcium	7440-70-2	NA	mg/kg			53000		
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg			18		
SW6010D	Cobalt	7440-48-4	NA	mg/kg			11		
SW6010D	Copper	7440-50-8	NA	mg/kg			21		

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-01 PZ-01-8.0-10.0 SO 23K0716-01 23K0684 11/3/2023 N		PZ-01 PZ-01-8.0-10.0 SO L1674663-01 23K0684 11/3/2023 N		PZ-02 PZ-02-1.7-2.2 SO 23K1769-01 23K1769 11/10/2023 N		PZ-02 PZ-02-1.7-2.2 SO 23K1787-01 23K1769 11/10/2023 N		PZ-02 PZ-02-1.7-2.2 SO L1678203-01 23K1769 11/10/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg							32000					
SW6010D	Lead	7439-92-1	NA	mg/kg							5.3					
SW6010D	Magnesium	7439-95-4	NA	mg/kg							9500					
SW6010D	Manganese	7439-96-5	NA	mg/kg							630					
SW6010D	Nickel	7440-02-0	NA	mg/kg							22					
SW6010D	Potassium	7440-09-7	NA	mg/kg							1800					
SW6010D	Selenium	7782-49-2	NA	mg/kg							4 U					
SW6010D	Silver	7440-22-4	NA	mg/kg							0.4 U					
SW6010D	Sodium	7440-23-5	NA	mg/kg							110 J					
SW6010D	Thallium	7440-28-0	NA	mg/kg							2 U					
SW6010D	Vanadium	7440-62-2	NA	mg/kg							26					
SW6010D	Zinc	7440-66-6	NA	mg/kg							44					
SW7471B	Mercury	7439-97-6	NA	mg/kg							0.033 U					
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg				0.07 U							0.07 U	
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg				0.07 U							0.07 U	
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg				0.07 U							0.07 U	
SW8151	Dalapon	75-99-0	NA	mg/kg				0.07 U							0.07 U	
SW8151	Dicamba	1918-00-9	NA	mg/kg				0.07 U							0.07 U	
SW8151	Dichloroprop	120-36-5	NA	mg/kg				0.07 U							0.07 U	
SW8151	Dinoseb	88-85-7	NA	mg/kg				0.07 U							0.07 U	
SW8151	MCPA	94-74-6	NA	mg/kg				6.5 U							6.5 U	
SW8151	Mecoprop	93-65-2	NA	mg/kg				6.5 U							6.5 U	
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg				0.07 U							0.07 U	
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.064 U					
SW9014	Cyanide	57-12-5	T	mg/kg							1.4					

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	PZ-02 PZ-02-11.0-13.0 SO 23K2025-02 23K2025 11/13/2023 N	PZ-02 PZ-02-11.0-13.0 SO 23K2025-02 23K2025 11/13/2023 N	PZ-02 PZ-02-11.0-13.0 SO L1678853-02 23K2025 11/13/2023 N	PZ-02 PZ-02-13.0-15.0 SO 23K2025-03 23K2025 11/13/2023 N	PZ-02 PZ-02-13.0-15.0 SO 23K2025-03 23K2025 11/13/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8081B	Alachlor	15972-60-8	NA	mg/kg	0.027	U			0.022
8081B	Aldrin	309-00-2	NA	mg/kg	0.0069	U			0.0055
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0069	U			0.0055
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0069	U			0.0055
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0069	U			0.0055
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.011	U			0.0087
8081B	Chlordane	57-74-9	NA	mg/kg	0.027	U			0.022
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0069	U			0.0055
8081B	Dieldrin	60-57-1	NA	mg/kg	0.0055	U			0.0044
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.011	U			0.0087
8081B	Endrin	72-20-8	NA	mg/kg	0.011	U			0.0087
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.011	U			0.0087
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.011	U			0.0087
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0027	U			0.0022
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0069	U			0.0055
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0069	U			0.0055
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0082	U			0.0066
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.069	U			0.055
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.0055	U			0.0044
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.0055	U			0.0044
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.0055	U			0.0044
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.14	U			0.11
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.11	U			0.087
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.11	U			0.087
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.11	U			0.087
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.11	U			0.087
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.11	U			0.087
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.11	U			0.087
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.11	U			0.087
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.11	U			0.087
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.11	U			0.087
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0025	U			0.0015
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.0012	U			0.00073
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.012	U			0.0073
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0025	U			0.0015
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0025	U			0.0015
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.005	U			0.0029
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0025	U			0.0015
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0025	U			0.0015
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0025	UJ			0.0015
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.0012	U			0.00073
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0025	U			0.0015
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0025	U			0.0015
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0025	U			0.0015
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0025	U			0.0015
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0025	U			0.0015
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.12	U			0.073
8260D	2-Hexanone	591-78-6	NA	mg/kg	0.025	U			0.015
8260D	Acetone	67-64-1	NA	mg/kg	0.012	J			0.073
8260D	Benzene	71-43-2	NA	mg/kg	0.0025	U			0.00044

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Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Bromodichloromethane	75-27-4	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Bromoform	75-25-2	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Bromomethane	74-83-9	NA	mg/kg	0.012	UJ							0.0073	UJ		
8260D	Carbon Disulfide	75-15-0	NA	mg/kg	0.012	U							0.0073	U		
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Chlorobenzene	108-90-7	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Chloroethane	75-00-3	NA	mg/kg	0.025	U							0.015	U		
8260D	Chloroform	67-66-3	NA	mg/kg	0.005	U							0.0029	U		
8260D	Chloromethane	74-87-3	NA	mg/kg	0.012	U							0.0073	U		
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.0012	U							0.00073	U		
8260D	Cyclohexane	110-82-7	NA	mg/kg	0.012	UJ							0.0073	UJ		
8260D	Dibromochloromethane	124-48-1	NA	mg/kg	0.0012	U							0.00073	U		
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.025	UJ							0.015	UJ		
8260D	Ethylbenzene	100-41-4	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Methyl Acetate	79-20-9	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.05	U							0.029	U		
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.025	U							0.015	U		
8260D	Methylcyclohexane	108-87-2	NA	mg/kg	0.005	U							0.0011	U		
8260D	Methylene Chloride	75-09-2	NA	mg/kg	0.025	U							0.015	U		
8260D	Styrene	100-42-5	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.005	U							0.0029	U		
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Toluene	108-88-3	NA	mg/kg	0.0025	U							0.00096	U		
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.0012	U							0.00073	U		
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.0025	U							0.0015	U		
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.012	U							0.0073	U		
8260D	Vinyl Chloride	75-01-4	NA	mg/kg	0.012	U							0.0073	U		
8260D	Xylenes	1330-20-7	NA	mg/kg	0.0025	U							0.0015	U		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.46	U							0.37	U		
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.46	U							0.37	U		
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.46	U							0.37	U		
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.46	U							0.37	U		
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.46	U							0.37	U		
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.89	U							0.71	U		
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.46	U							0.37	U		
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.46	U							0.37	U		
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.46	U							0.37	U		
8270E	2-Chlorophenol	95-57-8	NA	mg/kg	0.46	U							0.37	U		
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.23	U							0.18	U		
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.46	U							0.37	U		
8270E	2-Nitroaniline	88-74-4	NA	mg/kg	0.46	U							0.37	U		
8270E	2-Nitrophenol	88-75-5	NA	mg/kg	0.46	U							0.37	U		
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.46	U							0.37	U		
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.23	U							0.18	U		
8270E	3-Nitroaniline	99-09-2	NA	mg/kg	0.46	U							0.37	U		
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.46	U							0.37	U		

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Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.46	U						0.37	U	
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.89	U						0.71	U	
8270E	4-Chloroaniline	106-47-8	NA	mg/kg	0.89	U						0.71	U	
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.46	U						0.37	U	
8270E	4-Nitroaniline	100-01-6	NA	mg/kg	0.46	U						0.37	U	
8270E	4-Nitrophenol	100-02-7	NA	mg/kg	0.89	U						0.71	U	
8270E	Acenaphthene	83-32-9	NA	mg/kg	0.23	U						0.18	U	
8270E	Acenaphthylene	208-96-8	NA	mg/kg	0.23	U						0.18	U	
8270E	Acetophenone	98-86-2	NA	mg/kg	0.46	U						0.37	U	
8270E	Anthracene	120-12-7	NA	mg/kg	0.23	U						0.18	U	
8270E	Atrazine	1912-24-9	NA	mg/kg	0.9	U						0.73	U	
8270E	Benzaldehyde	100-52-7	NA	mg/kg	0.46	UJ						0.37	UJ	
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.23	U						0.18	U	
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.23	U						0.18	U	
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.23	U						0.18	U	
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.23	U						0.18	U	
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.23	U						0.18	U	
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.46	U						0.37	U	
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg	0.9	U						0.73	U	
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.46	U						0.37	U	
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.46	U						0.37	U	
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.46	U						0.37	U	
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.46	U						0.37	U	
8270E	Caprolactam	105-60-2	NA	mg/kg	0.46	UJ						0.37	UJ	
8270E	Carbazole	86-74-8	NA	mg/kg	0.23	U						0.18	U	
8270E	Chrysene	218-01-9	NA	mg/kg	0.23	U						0.18	U	
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.23	U						0.18	U	
8270E	Dibenzofuran	132-64-9	NA	mg/kg	0.46	U						0.37	U	
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg	0.46	U						0.37	U	
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.46	U						0.37	U	
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.46	U						0.37	U	
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.46	U						0.37	U	
8270E	Fluoranthene	206-44-0	NA	mg/kg	0.23	U						0.18	U	
8270E	Fluorene	86-73-7	NA	mg/kg	0.23	U						0.18	U	
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg	0.46	U						0.37	U	
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.46	U						0.37	U	
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.46	U						0.37	U	
8270E	Hexachloroethane	67-72-1	NA	mg/kg	0.46	U						0.37	U	
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.23	U						0.18	U	
8270E	Isophorone	78-59-1	NA	mg/kg	0.46	U						0.37	U	
8270E	Naphthalene	91-20-3	NA	mg/kg	0.23	U						0.18	U	
8270E	Nitrobenzene	98-95-3	NA	mg/kg	0.46	U						0.37	U	
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.46	U						0.37	U	
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.46	U						0.37	U	
8270E	Pentachlorophenol	87-86-5	NA	mg/kg	0.46	U						0.37	U	
8270E	Phenanthrene	85-01-8	NA	mg/kg	0.23	U						0.18	U	
8270E	Phenol	108-95-2	NA	mg/kg	0.46	U						0.37	U	
8270E	Pyrene	129-00-0	NA	mg/kg	0.23	U						0.18	U	
A2540G	Solids, Percent	SOLID	NA	%	72.8		72.8				90.6		88	
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.8	U					0.77	U

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Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.8	U					0.77	U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.8	U					0.77	U
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.8	U					0.77	U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg			2	U					1.9	U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg			2	U					1.9	U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg			10	U					9.7	U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg			10	U					9.7	U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg			2	U					1.9	U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.8	U					0.77	U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.8	U					0.77	U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.8	U					0.77	U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg			0.2	U					0.19	U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.2	U					0.19	U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg			0.2	U					0.19	U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.2	U					0.19	U
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.4	U					0.39	U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.4	U					0.39	U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.4	U					0.39	U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.4	U					0.39	U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.19	J					0.77	U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.052	J					0.19	U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.046	J					0.038	J
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg			0.2	U					0.19	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.2	U					0.19	U
SM 2540G	Total Solids	TSO	NA	%					72.7					
SW6010D	Aluminum	7429-90-5	NA	mg/kg	16000						4000			
SW6010D	Antimony	7440-36-0	NA	mg/kg	2.2	U					1.8	U		
SW6010D	Arsenic	7440-38-2	NA	mg/kg	3.8	J					1.6	J		
SW6010D	Barium	7440-39-3	NA	mg/kg	94						48			
SW6010D	Beryllium	7440-41-7	NA	mg/kg	0.74						0.21			
SW6010D	Cadmium	7440-43-9	NA	mg/kg	0.44	U					0.45			
SW6010D	Calcium	7440-70-2	NA	mg/kg	63000						90000			
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg	22						5.8			
SW6010D	Cobalt	7440-48-4	NA	mg/kg	10						3			
SW6010D	Copper	7440-50-8	NA	mg/kg	24						10			

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Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg	37000								7400			
SW6010D	Lead	7439-92-1	NA	mg/kg	9.5								19			
SW6010D	Magnesium	7439-95-4	NA	mg/kg	16000								33000			
SW6010D	Manganese	7439-96-5	NA	mg/kg	550								450			
SW6010D	Nickel	7440-02-0	NA	mg/kg	25								6.6			
SW6010D	Potassium	7440-09-7	NA	mg/kg	3100								940			
SW6010D	Selenium	7782-49-2	NA	mg/kg	4.4	U							3.6	U		
SW6010D	Silver	7440-22-4	NA	mg/kg	0.44	U							0.36	U		
SW6010D	Sodium	7440-23-5	NA	mg/kg	230								130	J		
SW6010D	Thallium	7440-28-0	NA	mg/kg	2.2	U							1.8	U		
SW6010D	Vanadium	7440-62-2	NA	mg/kg	29								8.2			
SW6010D	Zinc	7440-66-6	NA	mg/kg	65								100			
SW7471B	Mercury	7439-97-6	NA	mg/kg	0.035	U							0.028	U		
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg						0.07	U					
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg						0.07	U					
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg						0.07	U					
SW8151	Dalapon	75-99-0	NA	mg/kg						0.07	U					
SW8151	Dicamba	1918-00-9	NA	mg/kg						0.07	U					
SW8151	Dichloroprop	120-36-5	NA	mg/kg						0.07	U					
SW8151	Dinoseb	88-85-7	NA	mg/kg						0.07	U					
SW8151	MCPA	94-74-6	NA	mg/kg						6.5	U					
SW8151	Mecoprop	93-65-2	NA	mg/kg						6.5	U					
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg						0.07	U					
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.069	U							0.055	U		
SW9014	Cyanide	57-12-5	T	mg/kg	0.67	U							0.53	U		

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	PZ-02 PZ-02-13.0-15.0 SO L1678853-03 23K2025 11/13/2023 N	PZ-02 PZ-02-8.0-10.0 SO 23K2025-01 23K2025 11/13/2023 N	PZ-02 PZ-02-8.0-10.0 SO 23K2035-01 23K2025 11/13/2023 N	PZ-02 PZ-02-8.0-10.0 SO L1678853-01 23K2025 11/13/2023 N	PZ-03 PZ-03-10.0-11.0 SO 23K2477-03 23K2477 11/16/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8081B	Alachlor	15972-60-8	NA	mg/kg		0.026	U		0.026
8081B	Aldrin	309-00-2	NA	mg/kg		0.0065	U		0.0065
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg		0.0065	U		0.0065
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg		0.0065	U		0.0065
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg		0.0065	U		0.0065
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg		0.01	U		0.01
8081B	Chlordane	57-74-9	NA	mg/kg		0.026	U		0.026
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg		0.0065	U		0.0065
8081B	Dieldrin	60-57-1	NA	mg/kg		0.0052	U		0.0052
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg		0.01	U		0.01
8081B	Endrin	72-20-8	NA	mg/kg		0.01	U		0.01
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg		0.01	U		0.01
8081B	Endrin Ketone	53494-70-5	NA	mg/kg		0.01	U		0.01
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg		0.0026	U		0.0026
8081B	Heptachlor	76-44-8	NA	mg/kg		0.0065	U		0.0065
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg		0.0065	U		0.0065
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg		0.0078	U		0.0078
8081B	Methoxychlor	72-43-5	NA	mg/kg		0.065	U		0.065
8081B	P,P'-DDD	72-54-8	NA	mg/kg		0.0052	U		0.0052
8081B	P,P'-DDE	72-55-9	NA	mg/kg		0.0052	U		0.0052
8081B	P,P'-DDT	50-29-3	NA	mg/kg		0.0052	U		0.0052
8081B	Toxaphene	8001-35-2	NA	mg/kg		0.13	U		0.13
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg		0.1	U		0.1
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg		0.1	U		0.1
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg		0.1	U		0.1
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg		0.1	U		0.1
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg		0.1	U		0.1
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg		0.1	U		0.1
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg		0.1	U		0.1
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg		0.1	U		0.1
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg		0.1	U		0.1
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg		0.0021	U		0.0021
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg		0.001	U		0.001
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg		0.01	U		0.01
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg		0.0021	U		0.0021
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg		0.0021	U		0.0021
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg		0.0042	U		0.0042
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg		0.0021	U		0.0021
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg		0.0021	U		0.0021
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg		0.0021	UJ		0.0021
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg		0.001	U		0.001
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg		0.0021	U		0.0021
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg		0.0021	U		0.0021
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg		0.0021	U		0.0021
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg		0.0021	U		0.0021
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg		0.0021	U		0.0021
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg		0.1	U		0.1
8260D	2-Hexanone	591-78-6	NA	mg/kg		0.021	U		0.021
8260D	Acetone	67-64-1	NA	mg/kg		0.1	U		0.01
8260D	Benzene	71-43-2	NA	mg/kg		0.00069	J		0.00098

					Location ID		PZ-02		PZ-02		PZ-02		PZ-02		PZ-03	
					Sample ID		PZ-02-13.0-15.0		PZ-02-8.0-10.0		PZ-02-8.0-10.0		PZ-02-8.0-10.0		PZ-03-10.0-11.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		L1678853-03		23K2025-01		23K2025-01		23K2025-01		23K2477-03	
					SDG		23K2025		23K2025		23K2025		23K2025		23K2477	
					Sample Date		11/13/2023		11/13/2023		11/13/2023		11/13/2023		11/16/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg					0.0021	U					0.0021	U
8260D	Bromodichloromethane	75-27-4	NA	mg/kg					0.0021	U					0.0021	U
8260D	Bromoform	75-25-2	NA	mg/kg					0.0021	U					0.0021	U
8260D	Bromomethane	74-83-9	NA	mg/kg					0.01	UJ					0.01	UJ
8260D	Carbon Disulfide	75-15-0	NA	mg/kg					0.01	U					0.01	U
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg					0.0021	U					0.0021	U
8260D	Chlorobenzene	108-90-7	NA	mg/kg					0.0021	U					0.0021	U
8260D	Chloroethane	75-00-3	NA	mg/kg					0.021	U					0.021	UJ
8260D	Chloroform	67-66-3	NA	mg/kg					0.0042	U					0.0042	U
8260D	Chloromethane	74-87-3	NA	mg/kg					0.01	U					0.01	UJ
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg					0.0021	U					0.06	
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg					0.001	U					0.001	U
8260D	Cyclohexane	110-82-7	NA	mg/kg					0.01	UJ					0.01	U
8260D	Dibromochloromethane	124-48-1	NA	mg/kg					0.001	U					0.001	U
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg					0.021	UJ					0.021	U
8260D	Ethylbenzene	100-41-4	NA	mg/kg					0.0021	U					0.0021	U
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					0.0021	U					0.0021	U
8260D	Methyl Acetate	79-20-9	NA	mg/kg					0.0021	U					0.0021	U
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					0.042	U					0.042	U
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					0.021	U					0.021	U
8260D	Methylcyclohexane	108-87-2	NA	mg/kg					0.0042	U					0.0013	J
8260D	Methylene Chloride	75-09-2	NA	mg/kg					0.021	U					0.021	U
8260D	Styrene	100-42-5	NA	mg/kg					0.0021	U					0.0021	U
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					0.0042	U					0.0042	U
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					0.007						0.22	
8260D	Toluene	108-88-3	NA	mg/kg					0.0021	U					0.00073	J
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					0.0021	U					0.00081	J
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					0.001	U					0.001	U
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					0.0021	U					0.071	
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg					0.01	U					0.01	UJ
8260D	Vinyl Chloride	75-01-4	NA	mg/kg					0.01	U					0.0018	J
8260D	Xylenes	1330-20-7	NA	mg/kg					0.0021	U					0.0021	U
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg					0.44	U					0.44	U
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg					0.44	U					0.44	UJ
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg					0.44	U					0.44	UJ
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg					0.44	U					0.44	UJ
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg					0.44	U					0.44	UJ
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg					0.85	U					0.85	UJ
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg					0.44	U					0.44	U
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg					0.44	U					0.44	U
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg					0.44	U					0.44	U
8270E	2-Chlorophenol	95-57-8	NA	mg/kg					0.44	U					0.44	UJ
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg					0.22	U					0.22	U
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg					0.44	U					0.44	UJ
8270E	2-Nitroaniline	88-74-4	NA	mg/kg					0.44	U					0.44	U
8270E	2-Nitrophenol	88-75-5	NA	mg/kg					0.44	U					0.44	UJ
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg					0.44	U					0.44	UJ
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg					0.22	U					0.22	U
8270E	3-Nitroaniline	99-09-2	NA	mg/kg					0.44	U					0.44	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg					0.44	U					0.44	UJ

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-02 PZ-02-13.0-15.0 SO L1678853-03 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO 23K2025-01 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO 23K2035-01 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO L1678853-01 23K2025 11/13/2023 N		PZ-03 PZ-03-10.0-11.0 SO 23K2477-03 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg				0.44	U						0.44	U
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg				0.85	U						0.85	UJ
8270E	4-Chloroaniline	106-47-8	NA	mg/kg				0.85	U						0.85	U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg				0.44	U						0.44	U
8270E	4-Nitroaniline	100-01-6	NA	mg/kg				0.44	U						0.44	U
8270E	4-Nitrophenol	100-02-7	NA	mg/kg				0.85	U						0.85	UJ
8270E	Acenaphthene	83-32-9	NA	mg/kg				0.22	U						0.22	U
8270E	Acenaphthylene	208-96-8	NA	mg/kg				0.22	U						0.22	U
8270E	Acetophenone	98-86-2	NA	mg/kg				0.44	U						0.44	U
8270E	Anthracene	120-12-7	NA	mg/kg				0.22	U						0.22	U
8270E	Atrazine	1912-24-9	NA	mg/kg				0.86	U						0.87	UJ
8270E	Benzaldehyde	100-52-7	NA	mg/kg				0.44	UJ						0.44	UJ
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg				0.22	U						0.22	U
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg				0.22	U						0.22	U
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg				0.22	U						0.22	U
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg				0.22	U						0.22	U
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg				0.22	U						0.22	U
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg				0.44	U						0.44	U
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg				0.86	U						0.87	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg				0.44	U						0.44	U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg				0.44	U						0.44	U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg				0.44	U						0.44	U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg				0.44	U						0.44	U
8270E	Caprolactam	105-60-2	NA	mg/kg				0.44	UJ						0.44	UJ
8270E	Carbazole	86-74-8	NA	mg/kg				0.22	U						0.22	U
8270E	Chrysene	218-01-9	NA	mg/kg				0.22	U						0.22	U
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg				0.22	U						0.22	U
8270E	Dibenzofuran	132-64-9	NA	mg/kg				0.44	U						0.44	U
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg				0.44	U						0.44	U
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg				0.44	U						0.44	U
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg				0.44	U						0.44	U
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg				0.44	U						0.44	UJ
8270E	Fluoranthene	206-44-0	NA	mg/kg				0.22	U						0.22	U
8270E	Fluorene	86-73-7	NA	mg/kg				0.22	U						0.22	U
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg				0.44	U						0.44	U
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg				0.44	U						0.44	U
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg				0.44	U						0.44	U
8270E	Hexachloroethane	67-72-1	NA	mg/kg				0.44	U						0.44	U
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg				0.22	U						0.22	U
8270E	Isophorone	78-59-1	NA	mg/kg				0.44	U						0.44	U
8270E	Naphthalene	91-20-3	NA	mg/kg				0.22	U						0.22	U
8270E	Nitrobenzene	98-95-3	NA	mg/kg				0.44	U						0.44	U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg				0.44	U						0.44	U
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg				0.44	U						0.44	U
8270E	Pentachlorophenol	87-86-5	NA	mg/kg				0.44	U						0.44	UJ
8270E	Phenanthrene	85-01-8	NA	mg/kg				0.22	U						0.22	U
8270E	Phenol	108-95-2	NA	mg/kg				0.44	U						0.44	UJ
8270E	Pyrene	129-00-0	NA	mg/kg				0.22	U						0.22	U
A2540G	Solids, Percent	SOLID	NA	%				76.9				77.6			77.4	
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg								0.8	U		0.78	U

		Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code			PZ-02 PZ-02-13.0-15.0 SO L1678853-03 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO 23K2025-01 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO 23K2035-01 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO L1678853-01 23K2025 11/13/2023 N		PZ-03 PZ-03-10.0-11.0 SO 23K2477-03 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg					0.8	U			0.78	U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg					0.8	UJ			0.78	U
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg					0.8	U			0.78	U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg					2	U			1.9	U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg					2	U			1.9	U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg					9.9	U			9.7	U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg					9.9	U			9.7	U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg					2	U			1.9	U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg					0.8	U			0.78	U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg					0.8	U			0.78	U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg					0.8	U			0.78	U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg					0.2	U			0.19	U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg					0.2	U			0.19	U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg					0.2	U			0.19	U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg					0.2	U			0.19	U
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg					0.4	U			0.39	U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg					0.4	U			0.39	U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg					0.4	U			0.39	U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg					0.4	U			0.39	U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg					0.17	J			0.78	U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg					0.4	U			0.39	U
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg					0.2	U			0.19	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg					0.2	U			0.19	U
SM 2540G	Total Solids	TSO	NA	%	89						78.6			
SW6010D	Aluminum	7429-90-5	NA	mg/kg			15000						11000	
SW6010D	Antimony	7440-36-0	NA	mg/kg			2.1	U					2.1	U
SW6010D	Arsenic	7440-38-2	NA	mg/kg			6						5	
SW6010D	Barium	7440-39-3	NA	mg/kg			100						100	
SW6010D	Beryllium	7440-41-7	NA	mg/kg			0.7						0.52	
SW6010D	Cadmium	7440-43-9	NA	mg/kg			0.41	U					0.41	U
SW6010D	Calcium	7440-70-2	NA	mg/kg			49000						49000	
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg			21						16	
SW6010D	Cobalt	7440-48-4	NA	mg/kg			12						12	
SW6010D	Copper	7440-50-8	NA	mg/kg			22						12	

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-02 PZ-02-13.0-15.0 SO L1678853-03 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO 23K2025-01 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO 23K2035-01 23K2025 11/13/2023 N		PZ-02 PZ-02-8.0-10.0 SO L1678853-01 23K2025 11/13/2023 N		PZ-03 PZ-03-10.0-11.0 SO 23K2477-03 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg					34000						20000	
SW6010D	Lead	7439-92-1	NA	mg/kg					8						5.5	
SW6010D	Magnesium	7439-95-4	NA	mg/kg					12000						11000	
SW6010D	Manganese	7439-96-5	NA	mg/kg					770						680	
SW6010D	Nickel	7440-02-0	NA	mg/kg					29						21	
SW6010D	Potassium	7440-09-7	NA	mg/kg					2400						2000	
SW6010D	Selenium	7782-49-2	NA	mg/kg					4.1 U						4.1 U	
SW6010D	Silver	7440-22-4	NA	mg/kg					0.41 U						0.41 U	
SW6010D	Sodium	7440-23-5	NA	mg/kg					150 J						150 J	
SW6010D	Thallium	7440-28-0	NA	mg/kg					2.1 U						2.1 U	
SW6010D	Vanadium	7440-62-2	NA	mg/kg					27						20	
SW6010D	Zinc	7440-66-6	NA	mg/kg					53						44	
SW7471B	Mercury	7439-97-6	NA	mg/kg					0.033 U						0.015 J	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg	0.07	U							0.07 U			
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg	0.07	U							0.07 U			
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg	0.07	U							0.07 U			
SW8151	Dalapon	75-99-0	NA	mg/kg	0.07	U							0.07 U			
SW8151	Dicamba	1918-00-9	NA	mg/kg	0.07	U							0.07 U			
SW8151	Dichloroprop	120-36-5	NA	mg/kg	0.07	U							0.07 U			
SW8151	Dinoseb	88-85-7	NA	mg/kg	0.07	U							0.07 U			
SW8151	MCPA	94-74-6	NA	mg/kg	6.5	U							6.5 U			
SW8151	Mecoprop	93-65-2	NA	mg/kg	6.5	U							6.5 U			
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg	0.07	U							0.07 U			
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg					0.62						0.064 U	
SW9014	Cyanide	57-12-5	T	mg/kg					1.4						0.51 U	

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	PZ-03 PZ-03-10.0-11.0 SO L1679668-03 23K2477 11/16/2023 N	PZ-03 PZ-03-12.5-14.5 SO 23K2477-04 23K2477 11/16/2023 N	PZ-03 PZ-03-12.5-14.5 SO 23K2479-04 23K2477 11/16/2023 N	PZ-03 PZ-03-12.5-14.5 SO L1679668-04 23K2477 11/16/2023 N	PZ-03 PZ-03-2.5-3.0 SO 23K2477-01 23K2477 11/16/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8081B	Alachlor	15972-60-8	NA	mg/kg		0.026	U		0.025
8081B	Aldrin	309-00-2	NA	mg/kg		0.0065	U		0.0063
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg		0.0065	U		0.0063
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg		0.0065	U		0.0063
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg		0.0065	U		0.0063
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg		0.01	U		0.01
8081B	Chlordane	57-74-9	NA	mg/kg		0.026	U		0.025
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg		0.0065	U		0.0063
8081B	Dieldrin	60-57-1	NA	mg/kg		0.0052	U		0.005
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg		0.01	U		0.01
8081B	Endrin	72-20-8	NA	mg/kg		0.01	U		0.01
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg		0.01	U		0.01
8081B	Endrin Ketone	53494-70-5	NA	mg/kg		0.01	U		0.01
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg		0.0026	U		0.0025
8081B	Heptachlor	76-44-8	NA	mg/kg		0.0065	U		0.0063
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg		0.0065	U		0.0063
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg		0.0078	U		0.0075
8081B	Methoxychlor	72-43-5	NA	mg/kg		0.065	U		0.063
8081B	P,P'-DDD	72-54-8	NA	mg/kg		0.0052	U		0.005
8081B	P,P'-DDE	72-55-9	NA	mg/kg		0.0052	U		0.005
8081B	P,P'-DDT	50-29-3	NA	mg/kg		0.0052	U		0.005
8081B	Toxaphene	8001-35-2	NA	mg/kg		0.13	U		0.13
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg		0.1	U		0.1
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg		0.1	U		0.1
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg		0.1	U		0.1
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg		0.1	U		0.1
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg		0.1	U		0.1
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg		0.1	U		0.1
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg		0.1	U		0.1
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg		0.1	U		0.1
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg		0.1	U		0.1
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg		0.0017	U		0.0029
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg		0.00083	U		0.0014
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg		0.0083	U		0.014
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg		0.0017	U		0.0029
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg		0.0017	U		0.0029
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg		0.0033	U		0.0057
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg		0.0017	U		0.0029
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg		0.0017	U		0.0029
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg		0.0017	U		0.0029
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg		0.00083	U		0.0014
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg		0.0017	U		0.0029
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg		0.0017	U		0.0029
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg		0.003	U		0.0029
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg		0.0017	U		0.0029
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg		0.0017	U		0.0029
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg		0.083	U		0.14
8260D	2-Hexanone	591-78-6	NA	mg/kg		0.017	U		0.029
8260D	Acetone	67-64-1	NA	mg/kg		0.014	J		0.02
8260D	Benzene	71-43-2	NA	mg/kg		0.00093	J		0.0029

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Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg					0.0017	U					0.0029	U
8260D	Bromodichloromethane	75-27-4	NA	mg/kg					0.0017	U					0.0029	U
8260D	Bromoform	75-25-2	NA	mg/kg					0.0017	U					0.0029	U
8260D	Bromomethane	74-83-9	NA	mg/kg					0.0083	UJ					0.014	UJ
8260D	Carbon Disulfide	75-15-0	NA	mg/kg					0.0083	U					0.014	U
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg					0.0017	U					0.0029	U
8260D	Chlorobenzene	108-90-7	NA	mg/kg					0.0017	U					0.0029	U
8260D	Chloroethane	75-00-3	NA	mg/kg					0.017	UJ					0.029	UJ
8260D	Chloroform	67-66-3	NA	mg/kg					0.0033	U					0.0057	U
8260D	Chloromethane	74-87-3	NA	mg/kg					0.0083	UJ					0.014	UJ
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg					0.1						0.0029	U
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg					0.00083	U					0.0014	U
8260D	Cyclohexane	110-82-7	NA	mg/kg					0.0083	U					0.014	U
8260D	Dibromochloromethane	124-48-1	NA	mg/kg					0.00083	U					0.0014	U
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg					0.017	U					0.029	U
8260D	Ethylbenzene	100-41-4	NA	mg/kg					0.0017	U					0.0029	U
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg					0.0017	U					0.0029	U
8260D	Methyl Acetate	79-20-9	NA	mg/kg					0.0017	U					0.0029	U
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg					0.033	U					0.057	U
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg					0.017	U					0.029	U
8260D	Methylcyclohexane	108-87-2	NA	mg/kg					0.0015	J					0.0057	U
8260D	Methylene Chloride	75-09-2	NA	mg/kg					0.017	U					0.029	U
8260D	Styrene	100-42-5	NA	mg/kg					0.0017	U					0.0029	U
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg					0.0033	U					0.0057	U
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg					0.022						0.0029	U
8260D	Toluene	108-88-3	NA	mg/kg					0.0013	J					0.0029	U
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg					0.00082	J					0.0029	U
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg					0.00083	U					0.0014	U
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg					0.038						0.0029	U
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg					0.0083	UJ					0.014	UJ
8260D	Vinyl Chloride	75-01-4	NA	mg/kg					0.0026	J					0.014	U
8260D	Xylenes	1330-20-7	NA	mg/kg					0.0017	U					0.0029	U
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg					0.45	UJ					0.43	U
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg					0.45	UJ					0.43	U
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg					0.45	UJ					0.43	U
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg					0.87	UJ					0.83	U
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg					0.45	UJ					0.43	U
8270E	2-Chlorophenol	95-57-8	NA	mg/kg					0.45	UJ					0.43	U
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg					0.22	UJ					0.21	U
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg					0.45	UJ					0.43	U
8270E	2-Nitroaniline	88-74-4	NA	mg/kg					0.45	UJ					0.43	U
8270E	2-Nitrophenol	88-75-5	NA	mg/kg					0.45	UJ					0.43	U
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg					0.45	UJ					0.43	U
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg					0.22	UJ					0.21	U
8270E	3-Nitroaniline	99-09-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg					0.45	UJ					0.43	U

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Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg					0.45	UJ					0.43	U
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg					0.87	UJ					0.83	U
8270E	4-Chloroaniline	106-47-8	NA	mg/kg					0.87	UJ					0.83	U
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg					0.45	UJ					0.43	U
8270E	4-Nitroaniline	100-01-6	NA	mg/kg					0.45	UJ					0.43	U
8270E	4-Nitrophenol	100-02-7	NA	mg/kg					0.87	UJ					0.83	U
8270E	Acenaphthene	83-32-9	NA	mg/kg					0.22	UJ					0.21	U
8270E	Acenaphthylene	208-96-8	NA	mg/kg					0.22	UJ					0.21	U
8270E	Acetophenone	98-86-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	Anthracene	120-12-7	NA	mg/kg					0.22	UJ					0.21	U
8270E	Atrazine	1912-24-9	NA	mg/kg					0.88	UJ					0.84	UJ
8270E	Benzaldehyde	100-52-7	NA	mg/kg					0.45	UJ					0.43	UJ
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg					0.22	UJ					0.21	U
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg					0.22	UJ					0.21	U
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg					0.22	UJ					0.21	U
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg					0.22	UJ					0.21	U
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg					0.22	UJ					0.21	U
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg					0.45	UJ					0.43	U
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg					0.88	UJ					0.84	U
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg					0.45	UJ					0.43	U
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg					0.45	UJ					0.43	U
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg					0.45	UJ					0.43	U
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg					0.45	UJ					0.43	U
8270E	Caprolactam	105-60-2	NA	mg/kg					0.45	UJ					0.43	UJ
8270E	Carbazole	86-74-8	NA	mg/kg					0.22	UJ					0.21	U
8270E	Chrysene	218-01-9	NA	mg/kg					0.22	UJ					0.21	U
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg					0.22	UJ					0.21	U
8270E	Dibenzofuran	132-64-9	NA	mg/kg					0.45	UJ					0.43	U
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg					0.45	UJ					0.43	U
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg					0.45	UJ					0.43	UJ
8270E	Fluoranthene	206-44-0	NA	mg/kg					0.22	UJ					0.21	U
8270E	Fluorene	86-73-7	NA	mg/kg					0.22	UJ					0.21	U
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg					0.45	UJ					0.43	U
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg					0.45	UJ					0.43	U
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg					0.45	UJ					0.43	U
8270E	Hexachloroethane	67-72-1	NA	mg/kg					0.45	UJ					0.43	U
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg					0.22	UJ					0.21	U
8270E	Isophorone	78-59-1	NA	mg/kg					0.45	UJ					0.43	U
8270E	Naphthalene	91-20-3	NA	mg/kg					0.22	UJ					0.21	U
8270E	Nitrobenzene	98-95-3	NA	mg/kg					0.45	UJ					0.43	U
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg					0.45	UJ					0.43	U
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg					0.45	UJ					0.43	U
8270E	Pentachlorophenol	87-86-5	NA	mg/kg					0.45	UJ					0.43	U
8270E	Phenanthrene	85-01-8	NA	mg/kg					0.22	UJ					0.21	U
8270E	Phenol	108-95-2	NA	mg/kg					0.45	UJ					0.43	U
8270E	Pyrene	129-00-0	NA	mg/kg					0.22	UJ					0.21	U
A2540G	Solids, Percent	SOLID	NA	%					76.3						79.6	
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg								0.79	U			

				Location ID	PZ-03	PZ-03	PZ-03	PZ-03	PZ-03
				Sample ID	PZ-03-10.0-11.0	PZ-03-12.5-14.5	PZ-03-12.5-14.5	PZ-03-12.5-14.5	PZ-03-2.5-3.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	L1679668-03	23K2477-04	23K2479-04	L1679668-04	23K2477-01
				SDG	23K2477	23K2477	23K2477	23K2477	23K2477
				Sample Date	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.79	UJ	
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.79	U	
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.79	U	
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg			2	U	
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg			2	U	
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg			9.9	U	
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg			9.9	U	
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg			2	U	
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.79	U	
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.79	U	
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.79	U	
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg			0.2	U	
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.2	U	
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg			0.2	U	
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.2	U	
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NA	ug/kg			0.4	U	
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.4	U	
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.4	U	
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.4	U	
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.2	U	
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.79	U	
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.2	U	
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.2	U	
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg			0.2	U	
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.2	U	
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.2	U	
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.2	U	
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.2	U	
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.2	U	
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg			0.2	U	
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.2	U	
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.2	U	
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.2	U	
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.2	U	
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.2	U	
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.043	J	
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.2	U	
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg			0.2	U	
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.2	U	
SM 2540G	Total Solids	TSO	NA	%	79.4			79.1	
SW6010D	Aluminum	7429-90-5	NA	mg/kg		15000			26000
SW6010D	Antimony	7440-36-0	NA	mg/kg		2.1	U		2.1
SW6010D	Arsenic	7440-38-2	NA	mg/kg		2.6	J		4.9
SW6010D	Barium	7440-39-3	NA	mg/kg		88			100
SW6010D	Beryllium	7440-41-7	NA	mg/kg		0.71			0.9
SW6010D	Cadmium	7440-43-9	NA	mg/kg		0.31	J		0.22
SW6010D	Calcium	7440-70-2	NA	mg/kg		56000			2200
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg		20			30
SW6010D	Cobalt	7440-48-4	NA	mg/kg		10			22
SW6010D	Copper	7440-50-8	NA	mg/kg		21			21

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					PZ-03 PZ-03-10.0-11.0 SO L1679668-03 23K2477 11/16/2023 N		PZ-03 PZ-03-12.5-14.5 SO 23K2477-04 23K2477 11/16/2023 N		PZ-03 PZ-03-12.5-14.5 SO 23K2479-04 23K2477 11/16/2023 N		PZ-03 PZ-03-12.5-14.5 SO L1679668-04 23K2477 11/16/2023 N		PZ-03 PZ-03-2.5-3.0 SO 23K2477-01 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
SW6010D	Iron	7439-89-6	NA	mg/kg			30000						46000	
SW6010D	Lead	7439-92-1	NA	mg/kg			10						10	
SW6010D	Magnesium	7439-95-4	NA	mg/kg			20000						5600	
SW6010D	Manganese	7439-96-5	NA	mg/kg			540						1100	
SW6010D	Nickel	7440-02-0	NA	mg/kg			24						24	
SW6010D	Potassium	7440-09-7	NA	mg/kg			3000						2300	
SW6010D	Selenium	7782-49-2	NA	mg/kg			4.2 U						4.1 U	
SW6010D	Silver	7440-22-4	NA	mg/kg			0.42 U						0.41 U	
SW6010D	Sodium	7440-23-5	NA	mg/kg			200 J						130 J	
SW6010D	Thallium	7440-28-0	NA	mg/kg			2.1 U						2.1 U	
SW6010D	Vanadium	7440-62-2	NA	mg/kg			26						36	
SW6010D	Zinc	7440-66-6	NA	mg/kg			96						69	
SW7471B	Mercury	7439-97-6	NA	mg/kg			0.025 J						0.026 J	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg	0.0881	U					0.0885	U		
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg	0.0881	U					0.0885	U		
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg	0.0881	U					0.0885	U		
SW8151	Dalapon	75-99-0	NA	mg/kg	0.0881	U					0.0885	U		
SW8151	Dicamba	1918-00-9	NA	mg/kg	0.0881	U					0.0885	U		
SW8151	Dichloroprop	120-36-5	NA	mg/kg	0.0881	U					0.0885	U		
SW8151	Dinoseb	88-85-7	NA	mg/kg	0.0881	U					0.0885	U		
SW8151	MCPA	94-74-6	NA	mg/kg	8.18	U					8.22	U		
SW8151	Mecoprop	93-65-2	NA	mg/kg	8.18	U					8.22	U		
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg	0.0881	U					0.0885	U		
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg			0.064 U						0.062 U	
SW9014	Cyanide	57-12-5	T	mg/kg			0.45 U						0.63 U	

					Location ID		PZ-03		PZ-03		PZ-03		PZ-03		PZ-03	
					Sample ID		PZ-03-2.5-3.0		PZ-03-2.5-3.0		PZ-03-8.0-10.0		PZ-03-8.0-10.0		PZ-03-8.0-10.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K2479-01		L1679668-01		23K2477-02		23K2477-02		L1679668-02	
					SDG		23K2477		23K2477		23K2477		23K2477		23K2477	
					Sample Date		11/16/2023		11/16/2023		11/16/2023		11/16/2023		11/16/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8081B	Alachlor	15972-60-8	NA	mg/kg							0.026	U				
8081B	Aldrin	309-00-2	NA	mg/kg							0.0066	U				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg							0.0066	U				
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg							0.0066	U				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg							0.0066	U				
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg							0.011	U				
8081B	Chlordane	57-74-9	NA	mg/kg							0.026	U				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg							0.0066	U				
8081B	Dieldrin	60-57-1	NA	mg/kg							0.0053	U				
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg							0.011	U				
8081B	Endrin	72-20-8	NA	mg/kg							0.011	U				
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg							0.011	U				
8081B	Endrin Ketone	53494-70-5	NA	mg/kg							0.011	U				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg							0.0026	U				
8081B	Heptachlor	76-44-8	NA	mg/kg							0.0066	U				
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg							0.0066	U				
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg							0.0079	U				
8081B	Methoxychlor	72-43-5	NA	mg/kg							0.066	U				
8081B	P,P'-DDD	72-54-8	NA	mg/kg							0.0053	U				
8081B	P,P'-DDE	72-55-9	NA	mg/kg							0.0053	U				
8081B	P,P'-DDT	50-29-3	NA	mg/kg							0.0053	U				
8081B	Toxaphene	8001-35-2	NA	mg/kg							0.13	U				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg							0.11	U				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg							0.11	U				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg							0.11	U				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg							0.11	U				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg							0.11	U				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg							0.11	U				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg							0.11	U				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg							0.11	U				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg							0.11	U				
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg							0.0022	U				
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg							0.0011	U				
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg							0.011	U				
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg							0.0022	U				
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg							0.0022	U				
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg							0.0044	U				
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg							0.0022	U				
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg							0.0022	U				
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg							0.0022	U				
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg							0.0011	U				
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg							0.0022	U				
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg							0.0022	U				
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg							0.0022	U				
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg							0.0022	U				
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg							0.0022	U				
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.11	U				
8260D	2-Hexanone	591-78-6	NA	mg/kg							0.022	U				
8260D	Acetone	67-64-1	NA	mg/kg							0.027	J				
8260D	Benzene	71-43-2	NA	mg/kg							0.001	J				

					Location ID		PZ-03		PZ-03		PZ-03		PZ-03		PZ-03	
					Sample ID		PZ-03-2.5-3.0		PZ-03-2.5-3.0		PZ-03-8.0-10.0		PZ-03-8.0-10.0		PZ-03-8.0-10.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K2479-01		L1679668-01		23K2477-02		23K2479-02		L1679668-02	
					SDG		23K2477		23K2477		23K2477		23K2477		23K2477	
					Sample Date		11/16/2023		11/16/2023		11/16/2023		11/16/2023		11/16/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg							0.0022	U				
8260D	Bromodichloromethane	75-27-4	NA	mg/kg							0.0022	U				
8260D	Bromoform	75-25-2	NA	mg/kg							0.0022	U				
8260D	Bromomethane	74-83-9	NA	mg/kg							0.011	UJ				
8260D	Carbon Disulfide	75-15-0	NA	mg/kg							0.011	U				
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg							0.0022	U				
8260D	Chlorobenzene	108-90-7	NA	mg/kg							0.0022	U				
8260D	Chloroethane	75-00-3	NA	mg/kg							0.022	UJ				
8260D	Chloroform	67-66-3	NA	mg/kg							0.0044	U				
8260D	Chloromethane	74-87-3	NA	mg/kg							0.011	UJ				
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg							0.048					
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg							0.0011	U				
8260D	Cyclohexane	110-82-7	NA	mg/kg							0.011	U				
8260D	Dibromochloromethane	124-48-1	NA	mg/kg							0.0011	U				
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg							0.022	U				
8260D	Ethylbenzene	100-41-4	NA	mg/kg							0.0022	U				
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg							0.0022	U				
8260D	Methyl Acetate	79-20-9	NA	mg/kg							0.0022	U				
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg							0.044	U				
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg							0.022	U				
8260D	Methylcyclohexane	108-87-2	NA	mg/kg							0.0023	J				
8260D	Methylene Chloride	75-09-2	NA	mg/kg							0.022	U				
8260D	Styrene	100-42-5	NA	mg/kg							0.0022	U				
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg							0.0044	U				
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg							0.15					
8260D	Toluene	108-88-3	NA	mg/kg							0.00099	J				
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg							0.0022	U				
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg							0.0011	U				
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg							0.059					
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg							0.011	UJ				
8260D	Vinyl Chloride	75-01-4	NA	mg/kg							0.0023	J				
8260D	Xylenes	1330-20-7	NA	mg/kg							0.0022	U				
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg							0.45	UJ				
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg							0.45	UJ				
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg							0.45	UJ				
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg							0.45	UJ				
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg							0.45	UJ				
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg							0.87	UJ				
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg							0.45	UJ				
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg							0.45	UJ				
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg							0.45	UJ				
8270E	2-Chlorophenol	95-57-8	NA	mg/kg							0.45	UJ				
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg							0.22	UJ				
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg							0.45	UJ				
8270E	2-Nitroaniline	88-74-4	NA	mg/kg							0.45	UJ				
8270E	2-Nitrophenol	88-75-5	NA	mg/kg							0.45	UJ				
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg							0.45	UJ				
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg							0.22	UJ				
8270E	3-Nitroaniline	99-09-2	NA	mg/kg							0.45	UJ				
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg							0.45	UJ				

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					PZ-03 PZ-03-2.5-3.0 SO 23K2479-01 23K2477 11/16/2023 N		PZ-03 PZ-03-2.5-3.0 SO L1679668-01 23K2477 11/16/2023 N		PZ-03 PZ-03-8.0-10.0 SO 23K2477-02 23K2477 11/16/2023 N		PZ-03 PZ-03-8.0-10.0 SO 23K2479-02 23K2477 11/16/2023 N		PZ-03 PZ-03-8.0-10.0 SO L1679668-02 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg					0.45	UJ				
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg					0.87	UJ				
8270E	4-Chloroaniline	106-47-8	NA	mg/kg					0.87	UJ				
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg					0.45	UJ				
8270E	4-Nitroaniline	100-01-6	NA	mg/kg					0.45	UJ				
8270E	4-Nitrophenol	100-02-7	NA	mg/kg					0.87	UJ				
8270E	Acenaphthene	83-32-9	NA	mg/kg					0.22	UJ				
8270E	Acenaphthylene	208-96-8	NA	mg/kg					0.22	UJ				
8270E	Acetophenone	98-86-2	NA	mg/kg					0.45	UJ				
8270E	Anthracene	120-12-7	NA	mg/kg					0.22	UJ				
8270E	Atrazine	1912-24-9	NA	mg/kg					0.88	UJ				
8270E	Benzaldehyde	100-52-7	NA	mg/kg					0.45	UJ				
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg					0.22	UJ				
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg					0.22	UJ				
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg					0.22	UJ				
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg					0.22	UJ				
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg					0.22	UJ				
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg					0.45	UJ				
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg					0.88	UJ				
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg					0.45	UJ				
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg					0.45	UJ				
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg					0.45	UJ				
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg					0.45	UJ				
8270E	Caprolactam	105-60-2	NA	mg/kg					0.45	UJ				
8270E	Carbazole	86-74-8	NA	mg/kg					0.22	UJ				
8270E	Chrysene	218-01-9	NA	mg/kg					0.22	UJ				
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg					0.22	UJ				
8270E	Dibenzofuran	132-64-9	NA	mg/kg					0.45	UJ				
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg					0.45	UJ				
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg					0.45	UJ				
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg					0.45	UJ				
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg					0.45	UJ				
8270E	Fluoranthene	206-44-0	NA	mg/kg					0.22	UJ				
8270E	Fluorene	86-73-7	NA	mg/kg					0.22	UJ				
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg					0.45	UJ				
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg					0.45	UJ				
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg					0.45	UJ				
8270E	Hexachloroethane	67-72-1	NA	mg/kg					0.45	UJ				
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg					0.22	UJ				
8270E	Isophorone	78-59-1	NA	mg/kg					0.45	UJ				
8270E	Naphthalene	91-20-3	NA	mg/kg					0.22	UJ				
8270E	Nitrobenzene	98-95-3	NA	mg/kg					0.45	UJ				
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg					0.45	UJ				
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg					0.45	UJ				
8270E	Pentachlorophenol	87-86-5	NA	mg/kg					0.45	UJ				
8270E	Phenanthrene	85-01-8	NA	mg/kg					0.22	UJ				
8270E	Phenol	108-95-2	NA	mg/kg					0.45	UJ				
8270E	Pyrene	129-00-0	NA	mg/kg					0.22	UJ				
A2540G	Solids, Percent	SOLID	NA	%					75.6					
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg	0.79	U					0.78	U		

				Location ID	PZ-03	PZ-03	PZ-03	PZ-03	PZ-03
				Sample ID	PZ-03-2.5-3.0	PZ-03-2.5-3.0	PZ-03-8.0-10.0	PZ-03-8.0-10.0	PZ-03-8.0-10.0
				Matrix	SO	SO	SO	SO	SO
				Lab Sample ID	23K2479-01	L1679668-01	23K2477-02	23K2479-02	L1679668-02
				SDG	23K2477	23K2477	23K2477	23K2477	23K2477
				Sample Date	11/16/2023	11/16/2023	11/16/2023	11/16/2023	11/16/2023
				Sample Type Code	N	N	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg	0.79	UJ		0.78	UJ
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg	0.79	U		0.78	UJ
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg	0.79	U		0.78	U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg	2	U		2	U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg	2	U		2	U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg	9.9	U		9.8	U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg	9.9	U		9.8	U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg	2	U		2	U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg	0.79	U		0.78	U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg	0.79	U		0.78	U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg	0.79	U		0.78	U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg	0.2	U		0.2	U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg	0.2	U		0.2	U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg	0.2	U		0.2	U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg	0.2	U		0.2	U
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg	0.4	U		0.39	U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg	0.4	U		0.39	U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg	0.4	U		0.39	U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg	0.4	U		0.39	U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg	0.79	U		0.78	U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg	0.033	J		0.04	J
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluorotridecanoic Acid (PFTrIA/PFTrDA)	72629-94-8	NA	ug/kg	0.2	U		0.2	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg	0.2	U		0.2	U
SM 2540G	Total Solids	TSO	NA	%		80.4			76.3
SW6010D	Aluminum	7429-90-5	NA	mg/kg			19000		
SW6010D	Antimony	7440-36-0	NA	mg/kg			2.1	U	
SW6010D	Arsenic	7440-38-2	NA	mg/kg			4.3	J	
SW6010D	Barium	7440-39-3	NA	mg/kg			110		
SW6010D	Beryllium	7440-41-7	NA	mg/kg			0.92		
SW6010D	Cadmium	7440-43-9	NA	mg/kg			0.43	U	
SW6010D	Calcium	7440-70-2	NA	mg/kg			48000		
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg			26		
SW6010D	Cobalt	7440-48-4	NA	mg/kg			14		
SW6010D	Copper	7440-50-8	NA	mg/kg			25		

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-03 PZ-03-2.5-3.0 SO 23K2479-01 23K2477 11/16/2023 N		PZ-03 PZ-03-2.5-3.0 SO L1679668-01 23K2477 11/16/2023 N		PZ-03 PZ-03-8.0-10.0 SO 23K2477-02 23K2477 11/16/2023 N		PZ-03 PZ-03-8.0-10.0 SO 23K2479-02 23K2477 11/16/2023 N		PZ-03 PZ-03-8.0-10.0 SO L1679668-02 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg							35000					
SW6010D	Lead	7439-92-1	NA	mg/kg							9.6					
SW6010D	Magnesium	7439-95-4	NA	mg/kg							15000					
SW6010D	Manganese	7439-96-5	NA	mg/kg							690					
SW6010D	Nickel	7440-02-0	NA	mg/kg							29					
SW6010D	Potassium	7440-09-7	NA	mg/kg							3600					
SW6010D	Selenium	7782-49-2	NA	mg/kg							4.3	U				
SW6010D	Silver	7440-22-4	NA	mg/kg							0.43	U				
SW6010D	Sodium	7440-23-5	NA	mg/kg							260					
SW6010D	Thallium	7440-28-0	NA	mg/kg							2.1	U				
SW6010D	Vanadium	7440-62-2	NA	mg/kg							32					
SW6010D	Zinc	7440-66-6	NA	mg/kg							66					
SW7471B	Mercury	7439-97-6	NA	mg/kg							0.03	J				
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg				0.087	U						0.0917	U
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg				0.087	U						0.0917	U
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg				0.087	U						0.0917	U
SW8151	Dalapon	75-99-0	NA	mg/kg				0.087	U						0.0917	U
SW8151	Dicamba	1918-00-9	NA	mg/kg				0.087	U						0.0917	U
SW8151	Dichloroprop	120-36-5	NA	mg/kg				0.087	U						0.0917	U
SW8151	Dinoseb	88-85-7	NA	mg/kg				0.087	U						0.0917	U
SW8151	MCPA	94-74-6	NA	mg/kg				8.08	U						8.52	U
SW8151	Mecoprop	93-65-2	NA	mg/kg				8.08	U						8.52	U
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg				0.087	U						0.0917	U
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.064	U				
SW9014	Cyanide	57-12-5	T	mg/kg							0.62	U				

				Location ID	SB-13		SB-13		SB-13		SB-13		SB-13	
				Sample ID	SB-13-1.0-1.5		SB-13-1.0-1.5		SB-13-1.0-1.5		SB-13-1.0-1.5-D		SB-13-1.0-1.5-D	
				Matrix	SO		SO		SO		SO		SO	
				Lab Sample ID	23K1136-01		23K1144-01		L1676441-01		23K1136-02		23K1144-02	
				SDG	23K1136		23K1136		23K1136		23K1136		23K1136	
				Sample Date	11/7/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023	
				Sample Type Code	N		N		N		FD		FD	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8081B	Alachlor	15972-60-8	NA	mg/kg	0.024	U					0.025	U		
8081B	Aldrin	309-00-2	NA	mg/kg	0.0061	U					0.0062	U		
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0061	U					0.0062	U		
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0061	U					0.0062	U		
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0061	U					0.0062	U		
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.0098	U					0.0099	U		
8081B	Chlordane	57-74-9	NA	mg/kg	0.024	U					0.025	U		
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0061	U					0.0062	U		
8081B	Dieldrin	60-57-1	NA	mg/kg	0.0049	U					0.0049	U		
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.0098	U					0.0099	U		
8081B	Endrin	72-20-8	NA	mg/kg	0.0098	U					0.0099	U		
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.0098	U					0.0099	U		
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.0098	U					0.0099	U		
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0024	U					0.0025	U		
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0061	U					0.0062	U		
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0061	U					0.0062	U		
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0073	U					0.0074	U		
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.061	U					0.062	U		
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.0049	U					0.0049	U		
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.0049	U					0.0049	U		
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.0049	U					0.0049	U		
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.12	U					0.12	U		
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.098	U					0.099	U		
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.098	U					0.099	U		
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.098	U					0.099	U		
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.098	U					0.099	U		
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.098	U					0.099	U		
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.098	U					0.099	U		
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.098	U					0.099	U		
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.098	U					0.099	U		
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.098	U					0.099	U		
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.0011	U					0.00098	U		
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.011	U					0.0098	U		
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.0043	U					0.0039	U		
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0021	UJ					0.002	UJ		
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.0011	U					0.00098	U		
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0021	U					0.002	U		
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.11	U					0.098	U		
8260D	2-Hexanone	591-78-6	NA	mg/kg	0.021	U					0.02	U		
8260D	Acetone	67-64-1	NA	mg/kg	0.012	J					0.012	J		
8260D	Benzene	71-43-2	NA	mg/kg	0.0021	U					0.002	U		

					Location ID		SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID		SB-13-1.0-1.5		SB-13-1.0-1.5		SB-13-1.0-1.5		SB-13-1.0-1.5-D		SB-13-1.0-1.5-D	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K1136-01		23K1144-01		L1676441-01		23K1136-02		23K1144-02	
					SDG		23K1136		23K1136		23K1136		23K1136		23K1136	
					Sample Date		11/7/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023	
					Sample Type Code		N		N		N		FD		FD	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg	0.0021	U							0.002	U		
8260D	Bromodichloromethane	75-27-4	NA	mg/kg	0.0021	U							0.002	U		
8260D	Bromoform	75-25-2	NA	mg/kg	0.0021	U							0.002	U		
8260D	Bromomethane	74-83-9	NA	mg/kg	0.011	UJ							0.0098	UJ		
8260D	Carbon Disulfide	75-15-0	NA	mg/kg	0.011	U							0.0098	U		
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0021	U							0.002	U		
8260D	Chlorobenzene	108-90-7	NA	mg/kg	0.0021	U							0.002	U		
8260D	Chloroethane	75-00-3	NA	mg/kg	0.021	UJ							0.02	UJ		
8260D	Chloroform	67-66-3	NA	mg/kg	0.0043	U							0.0039	U		
8260D	Chloromethane	74-87-3	NA	mg/kg	0.011	U							0.0098	U		
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0021	U							0.002	U		
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.0011	U							0.00098	U		
8260D	Cyclohexane	110-82-7	NA	mg/kg	0.011	UJ							0.0098	UJ		
8260D	Dibromochloromethane	124-48-1	NA	mg/kg	0.0011	U							0.00098	U		
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.021	U							0.02	U		
8260D	Ethylbenzene	100-41-4	NA	mg/kg	0.0021	U							0.002	U		
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0021	U							0.002	U		
8260D	Methyl Acetate	79-20-9	NA	mg/kg	0.0021	U							0.002	U		
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.043	U							0.039	U		
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.021	U							0.02	U		
8260D	Methylcyclohexane	108-87-2	NA	mg/kg	0.0043	U							0.0039	U		
8260D	Methylene Chloride	75-09-2	NA	mg/kg	0.021	U							0.02	U		
8260D	Styrene	100-42-5	NA	mg/kg	0.0021	U							0.002	U		
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.0043	U							0.0039	U		
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.0021	U							0.002	U		
8260D	Toluene	108-88-3	NA	mg/kg	0.0021	U							0.002	U		
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0021	U							0.002	U		
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.0011	U							0.00098	U		
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.0021	U							0.002	U		
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.011	U							0.0098	U		
8260D	Vinyl Chloride	75-01-4	NA	mg/kg	0.011	U							0.0098	U		
8260D	Xylenes	1330-20-7	NA	mg/kg	0.0021	U							0.002	U		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	2.5	U							2.5	U		
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	2.5	U							2.5	U		
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	2.5	U							2.5	U		
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg	2.5	U							2.5	U		
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg	2.5	U							2.5	U		
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg	4.9	UJ							4.9	U		
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	2.5	U							2.5	U		
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	2.5	U							2.5	U		
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg	2.5	U							2.5	U		
8270E	2-Chlorophenol	95-57-8	NA	mg/kg	2.5	U							2.5	U		
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg	1.3	U							1.3	U		
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	2.5	U							2.5	U		
8270E	2-Nitroaniline	88-74-4	NA	mg/kg	2.5	UJ							2.5	UJ		
8270E	2-Nitrophenol	88-75-5	NA	mg/kg	2.5	U							2.5	U		
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	2.5	U							2.5	U		
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	1.3	U							1.3	U		
8270E	3-Nitroaniline	99-09-2	NA	mg/kg	2.5	U							2.5	U		
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	2.5	U							2.5	U		

					Location ID		SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID		SB-13-1.0-1.5		SB-13-1.0-1.5		SB-13-1.0-1.5		SB-13-1.0-1.5-D		SB-13-1.0-1.5-D	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K1136-01		23K1144-01		L1676441-01		23K1136-02		23K1144-02	
					SDG		23K1136		23K1136		23K1136		23K1136		23K1136	
					Sample Date		11/7/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023	
					Sample Type Code		N		N		N		FD		FD	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	2.5 U						2.5 U					
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	4.9 U						4.9 U					
8270E	4-Chloroaniline	106-47-8	NA	mg/kg	4.9 U						4.9 U					
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	2.5 U						2.5 U					
8270E	4-Nitroaniline	100-01-6	NA	mg/kg	2.5 U						2.5 U					
8270E	4-Nitrophenol	100-02-7	NA	mg/kg	4.9 U						4.9 U					
8270E	Acenaphthene	83-32-9	NA	mg/kg	1.3 U						1.3 U					
8270E	Acenaphthylene	208-96-8	NA	mg/kg	1.3 U						1.3 U					
8270E	Acetophenone	98-86-2	NA	mg/kg	2.5 U						2.5 U					
8270E	Anthracene	120-12-7	NA	mg/kg	1.3 U						1.3 U					
8270E	Atrazine	1912-24-9	NA	mg/kg	5 U						5 U					
8270E	Benzaldehyde	100-52-7	NA	mg/kg	2.5 U						2.5 U					
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg	1.3 U						1.3 U					
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg	1.3 U						1.3 U					
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	1.3 U						1.3 U					
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	1.3 U						1.3 U					
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	1.3 U						1.3 U					
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	2.5 U						2.5 U					
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg	5 U						5 U					
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	2.5 U						2.5 U					
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	2.5 U						2.5 U					
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	2.5 U						2.5 U					
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	2.5 U						2.5 U					
8270E	Caprolactam	105-60-2	NA	mg/kg	2.5 U						2.5 U					
8270E	Carbazole	86-74-8	NA	mg/kg	1.3 U						1.3 U					
8270E	Chrysene	218-01-9	NA	mg/kg	1.3 U						1.3 U					
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	1.3 U						1.3 U					
8270E	Dibenzofuran	132-64-9	NA	mg/kg	2.5 U						2.5 U					
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg	2.5 U						2.5 U					
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg	2.5 U						2.5 U					
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	2.5 U						2.5 U					
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg	2.5 U						2.5 U					
8270E	Fluoranthene	206-44-0	NA	mg/kg	1.3 U						1.3 U					
8270E	Fluorene	86-73-7	NA	mg/kg	1.3 U						1.3 U					
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg	2.5 U						2.5 U					
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg	2.5 U						2.5 U					
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	2.5 U						2.5 U					
8270E	Hexachloroethane	67-72-1	NA	mg/kg	2.5 U						2.5 U					
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	1.3 U						1.3 U					
8270E	Isophorone	78-59-1	NA	mg/kg	2.5 U						2.5 U					
8270E	Naphthalene	91-20-3	NA	mg/kg	1.3 U						1.3 U					
8270E	Nitrobenzene	98-95-3	NA	mg/kg	2.5 U						2.5 U					
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	2.5 U						2.5 U					
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	2.5 U						2.5 U					
8270E	Pentachlorophenol	87-86-5	NA	mg/kg	2.5 U						2.5 U					
8270E	Phenanthrene	85-01-8	NA	mg/kg	1.3 U						1.3 U					
8270E	Phenol	108-95-2	NA	mg/kg	2.5 U						2.5 U					
8270E	Pyrene	129-00-0	NA	mg/kg	1.3 U						1.3 U					
A2540G	Solids, Percent	SOLID	NA	%	80.8				81.5				81.1		81.6	
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg					0.8 U							

		Location ID	SB-13	SB-13	SB-13	SB-13	SB-13
		Sample ID	SB-13-1.0-1.5	SB-13-1.0-1.5	SB-13-1.0-1.5	SB-13-1.0-1.5-D	SB-13-1.0-1.5-D
		Matrix	SO	SO	SO	SO	SO
		Lab Sample ID	23K1136-01	23K1144-01	L1676441-01	23K1136-02	23K1144-02
		SDG	23K1136	23K1136	23K1136	23K1136	23K1136
		Sample Date	11/7/2023	11/7/2023	11/7/2023	11/7/2023	11/7/2023
		Sample Type Code	N	N	N	FD	FD
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg		0.8 UJ	
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg		0.8 UJ	
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg		0.8 UJ	
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg		2 UJ	
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg		2 UJ	
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg		10 UJ	
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg		10 UJ	
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg		2 UJ	
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg		0.8 UJ	
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg		0.8 UJ	
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg		0.8 UJ	
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg		0.2 UJ	
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg		0.2 UJ	
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg		0.2 UJ	
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg		0.2 UJ	
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg		0.4 UJ	
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg		0.4 UJ	
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg		0.4 UJ	
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg		0.4 UJ	
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg		0.2 UJ	
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg		0.22 J	
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg		0.2 UJ	
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg		0.2 UJ	
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg		0.2 UJ	
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg		0.2 UJ	
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg		0.2 UJ	
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg		0.2 UJ	
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg		0.2 UJ	
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg		0.2 UJ	
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg		0.2 UJ	
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg		0.2 UJ	
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg		0.2 UJ	
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg		0.31 J-	
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg		0.2 UJ	
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg		0.2 UJ	
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg		0.039 J	
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg		0.2 UJ	
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg		0.2 UJ	
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg		0.2 UJ	
SM 2540G	Total Solids	TSO	NA	%		81.7	
SW6010D	Aluminum	7429-90-5	NA	mg/kg	26000		22000
SW6010D	Antimony	7440-36-0	NA	mg/kg	2 UJ		2 U
SW6010D	Arsenic	7440-38-2	NA	mg/kg	5		4.6
SW6010D	Barium	7440-39-3	NA	mg/kg	100		92
SW6010D	Beryllium	7440-41-7	NA	mg/kg	0.76		0.78
SW6010D	Cadmium	7440-43-9	NA	mg/kg	0.4 U		0.39 U
SW6010D	Calcium	7440-70-2	NA	mg/kg	2600		2900
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg	29		27
SW6010D	Cobalt	7440-48-4	NA	mg/kg	11 J		10
SW6010D	Copper	7440-50-8	NA	mg/kg	24		17

					Location ID	SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID	SB-13-1.0-1.5		SB-13-1.0-1.5		SB-13-1.0-1.5		SB-13-1.0-1.5-D		SB-13-1.0-1.5-D	
					Matrix	SO		SO		SO		SO		SO	
					Lab Sample ID	23K1136-01		23K1144-01		L1676441-01		23K1136-02		23K1144-02	
					SDG	23K1136		23K1136		23K1136		23K1136		23K1136	
					Sample Date	11/7/2023		11/7/2023		11/7/2023		11/7/2023		11/7/2023	
					Sample Type Code	N		N		N		FD		FD	
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit											
SW6010D	Iron	7439-89-6	NA	mg/kg	40000							37000			
SW6010D	Lead	7439-92-1	NA	mg/kg	11							15			
SW6010D	Magnesium	7439-95-4	NA	mg/kg	5700							5100			
SW6010D	Manganese	7439-96-5	NA	mg/kg	360							460			
SW6010D	Nickel	7440-02-0	NA	mg/kg	22							20			
SW6010D	Potassium	7440-09-7	NA	mg/kg	2300							2000			
SW6010D	Selenium	7782-49-2	NA	mg/kg	4 U							3.9 U			
SW6010D	Silver	7440-22-4	NA	mg/kg	2.9							2.9			
SW6010D	Sodium	7440-23-5	NA	mg/kg	240							230			
SW6010D	Thallium	7440-28-0	NA	mg/kg	2 UJ							2 U			
SW6010D	Vanadium	7440-62-2	NA	mg/kg	40							39			
SW6010D	Zinc	7440-66-6	NA	mg/kg	66							72			
SW7471B	Mercury	7439-97-6	NA	mg/kg	0.031							0.032			
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg						0.0857 U					
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg						0.0857 U					
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg						0.0857 U					
SW8151	Dalapon	75-99-0	NA	mg/kg						0.0857 U					
SW8151	Dicamba	1918-00-9	NA	mg/kg						0.0857 U					
SW8151	Dichloroprop	120-36-5	NA	mg/kg						0.0857 U					
SW8151	Dinoseb	88-85-7	NA	mg/kg						0.0857 U					
SW8151	MCPA	94-74-6	NA	mg/kg						7.96 U					
SW8151	Mecoprop	93-65-2	NA	mg/kg						7.96 U					
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg						0.0857 U					
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.062 U							0.061 U			
SW9014	Cyanide	57-12-5	T	ma/ka	0.57 U							0.53 U			

					Location ID		SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID		SB-13-1.0-1.5-D		SB-13-1.0-1.5-D		SB-13-11.0-12.6		SB-13-11.0-12.6		SB-13-11.0-12.6	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K1144-02RE1		L1676441-02		23K2477-06		23K2479-06RE1		L1679668-06	
					SDG		23K1136		23K1136		23K2477		23K2477		23K2477	
					Sample Date		11/7/2023		11/7/2023		11/16/2023		11/16/2023		11/16/2023	
					Sample Type Code		FD		FD		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8081B	Alachlor	15972-60-8	NA	mg/kg							0.027	U				
8081B	Aldrin	309-00-2	NA	mg/kg							0.0068	U				
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg							0.0068	U				
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg							0.0068	U				
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg							0.0068	U				
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg							0.011	U				
8081B	Chlordane	57-74-9	NA	mg/kg							0.027	U				
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg							0.0068	U				
8081B	Dieldrin	60-57-1	NA	mg/kg							0.0054	U				
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg							0.011	U				
8081B	Endrin	72-20-8	NA	mg/kg							0.011	U				
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg							0.011	U				
8081B	Endrin Ketone	53494-70-5	NA	mg/kg							0.011	U				
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg							0.0027	U				
8081B	Heptachlor	76-44-8	NA	mg/kg							0.0068	U				
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg							0.0068	U				
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg							0.0081	U				
8081B	Methoxychlor	72-43-5	NA	mg/kg							0.068	U				
8081B	P,P'-DDD	72-54-8	NA	mg/kg							0.0054	U				
8081B	P,P'-DDE	72-55-9	NA	mg/kg							0.0054	U				
8081B	P,P'-DDT	50-29-3	NA	mg/kg							0.0054	U				
8081B	Toxaphene	8001-35-2	NA	mg/kg							0.14	U				
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg							0.11	U				
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg							0.11	U				
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg							0.11	U				
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg							0.11	U				
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg							0.11	U				
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg							0.11	U				
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg							0.11	U				
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg							0.11	U				
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg							0.11	U				
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg							0.0022	U				
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg							0.0011	U				
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg							0.011	U				
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg							0.0022	U				
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg							0.0022	U				
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg							0.0045	U				
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg							0.0022	U				
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg							0.0022	U				
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg							0.0022	U				
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg							0.0011	U				
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg							0.0022	U				
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg							0.0022	U				
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg							0.0022	U				
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg							0.0022	U				
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg							0.0022	U				
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg							0.11	U				
8260D	2-Hexanone	591-78-6	NA	mg/kg							0.022	U				
8260D	Acetone	67-64-1	NA	mg/kg							0.01	J				
8260D	Benzene	71-43-2	NA	mg/kg							0.0022	U				

					Location ID		SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID		SB-13-1.0-1.5-D		SB-13-1.0-1.5-D		SB-13-11.0-12.6		SB-13-11.0-12.6		SB-13-11.0-12.6	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K1144-02RE1		L1676441-02		23K2477-06		23K2479-06RE1		L1679668-06	
					SDG		23K1136		23K1136		23K2477		23K2477		23K2477	
					Sample Date		11/7/2023		11/7/2023		11/16/2023		11/16/2023		11/16/2023	
					Sample Type Code		FD		FD		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg							0.0022	U				
8260D	Bromodichloromethane	75-27-4	NA	mg/kg							0.0022	U				
8260D	Bromoform	75-25-2	NA	mg/kg							0.0022	U				
8260D	Bromomethane	74-83-9	NA	mg/kg							0.011	UJ				
8260D	Carbon Disulfide	75-15-0	NA	mg/kg							0.011	U				
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg							0.0022	U				
8260D	Chlorobenzene	108-90-7	NA	mg/kg							0.0022	U				
8260D	Chloroethane	75-00-3	NA	mg/kg							0.022	UJ				
8260D	Chloroform	67-66-3	NA	mg/kg							0.0045	U				
8260D	Chloromethane	74-87-3	NA	mg/kg							0.011	UJ				
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg							0.0043					
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg							0.0011	U				
8260D	Cyclohexane	110-82-7	NA	mg/kg							0.011	U				
8260D	Dibromochloromethane	124-48-1	NA	mg/kg							0.0011	U				
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg							0.022	U				
8260D	Ethylbenzene	100-41-4	NA	mg/kg							0.0022	U				
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg							0.0022	U				
8260D	Methyl Acetate	79-20-9	NA	mg/kg							0.0022	U				
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg							0.045	U				
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg							0.022	U				
8260D	Methylcyclohexane	108-87-2	NA	mg/kg							0.0045	U				
8260D	Methylene Chloride	75-09-2	NA	mg/kg							0.022	U				
8260D	Styrene	100-42-5	NA	mg/kg							0.0022	U				
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg							0.0045	U				
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg							0.0022	U				
8260D	Toluene	108-88-3	NA	mg/kg							0.0022	U				
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg							0.0022	U				
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg							0.0011	U				
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg							0.0022	U				
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg							0.011	UJ				
8260D	Vinyl Chloride	75-01-4	NA	mg/kg							0.011	U				
8260D	Xylenes	1330-20-7	NA	mg/kg							0.0022	U				
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg							0.91	U				
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg							0.91	U				
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg							0.91	U				
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg							0.91	U				
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg							0.91	U				
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg							1.8	U				
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg							0.91	U				
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg							0.91	U				
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg							0.91	U				
8270E	2-Chlorophenol	95-57-8	NA	mg/kg							0.91	U				
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg							0.46	U				
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg							0.91	U				
8270E	2-Nitroaniline	88-74-4	NA	mg/kg							0.91	U				
8270E	2-Nitrophenol	88-75-5	NA	mg/kg							0.91	U				
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg							0.91	U				
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg							0.46	U				
8270E	3-Nitroaniline	99-09-2	NA	mg/kg							0.91	U				
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg							0.91	U				

					Location ID		SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID		SB-13-1.0-1.5-D		SB-13-1.0-1.5-D		SB-13-11.0-12.6		SB-13-11.0-12.6		SB-13-11.0-12.6	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K1144-02RE1		L1676441-02		23K2477-06		23K2479-06RE1		L1679668-06	
					SDG		23K1136		23K1136		23K2477		23K2477		23K2477	
					Sample Date		11/7/2023		11/7/2023		11/7/2023		11/16/2023		11/16/2023	
					Sample Type Code		FD		FD		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg							0.91	U				
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg							1.8	U				
8270E	4-Chloroaniline	106-47-8	NA	mg/kg							1.8	U				
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg							0.91	U				
8270E	4-Nitroaniline	100-01-6	NA	mg/kg							0.91	U				
8270E	4-Nitrophenol	100-02-7	NA	mg/kg							1.8	U				
8270E	Acenaphthene	83-32-9	NA	mg/kg							0.46	U				
8270E	Acenaphthylene	208-96-8	NA	mg/kg							0.46	U				
8270E	Acetophenone	98-86-2	NA	mg/kg							0.91	U				
8270E	Anthracene	120-12-7	NA	mg/kg							0.46	U				
8270E	Atrazine	1912-24-9	NA	mg/kg							1.8	UJ				
8270E	Benzaldehyde	100-52-7	NA	mg/kg							0.91	UJ				
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg							0.46	U				
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg							0.46	U				
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg							0.46	U				
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg							0.46	U				
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg							0.46	U				
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg							0.91	U				
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg							1.8	U				
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg							0.91	U				
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg							0.91	U				
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg							0.91	U				
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg							0.91	U				
8270E	Caprolactam	105-60-2	NA	mg/kg							0.91	UJ				
8270E	Carbazole	86-74-8	NA	mg/kg							0.46	U				
8270E	Chrysene	218-01-9	NA	mg/kg							0.46	U				
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg							0.46	U				
8270E	Dibenzofuran	132-64-9	NA	mg/kg							0.91	U				
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg							0.91	U				
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg							0.91	U				
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg							0.91	U				
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg							0.91	UJ				
8270E	Fluoranthene	206-44-0	NA	mg/kg							0.46	U				
8270E	Fluorene	86-73-7	NA	mg/kg							0.46	U				
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg							0.91	U				
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg							0.91	U				
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg							0.91	U				
8270E	Hexachloroethane	67-72-1	NA	mg/kg							0.91	U				
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg							0.46	U				
8270E	Isophorone	78-59-1	NA	mg/kg							0.91	U				
8270E	Naphthalene	91-20-3	NA	mg/kg							0.46	U				
8270E	Nitrobenzene	98-95-3	NA	mg/kg							0.91	U				
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg							0.91	U				
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg							0.91	U				
8270E	Pentachlorophenol	87-86-5	NA	mg/kg							0.91	U				
8270E	Phenanthrene	85-01-8	NA	mg/kg							0.46	U				
8270E	Phenol	108-95-2	NA	mg/kg							0.91	U				
8270E	Pyrene	129-00-0	NA	mg/kg							0.46	U				
A2540G	Solids, Percent	SOLID	NA	%							74					
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.79	UJ						0.79	U	

		Location ID	SB-13	SB-13	SB-13	SB-13	SB-13
		Sample ID	SB-13-1.0-1.5-D	SB-13-1.0-1.5-D	SB-13-11.0-12.6	SB-13-11.0-12.6	SB-13-11.0-12.6
		Matrix	SO	SO	SO	SO	SO
		Lab Sample ID	23K1144-02RE1	L1676441-02	23K2477-06	23K2479-06RE1	L1679668-06
		SDG	23K1136	23K1136	23K2477	23K2477	23K2477
		Sample Date	11/7/2023	11/7/2023	11/16/2023	11/16/2023	11/16/2023
		Sample Type Code	FD	FD	N	N	N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg	0.79	UJ	
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg	0.79	UJ	
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg	0.79	UJ	
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg	2	UJ	
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg	2	UJ	
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg	9.9	UJ	
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg	9.9	UJ	
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg	2	UJ	
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg	0.79	UJ	
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg	0.79	UJ	
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg	0.79	UJ	
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg	0.2	UJ	
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg	0.2	UJ	
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg	0.2	UJ	
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg	0.2	UJ	
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg	0.4	UJ	
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg	0.4	UJ	
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg	0.4	UJ	
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg	0.4	UJ	
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg	0.2	UJ	
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg	0.19	J	
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg	0.2	UJ	
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg	0.2	UJ	
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg	0.2	UJ	
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg	0.2	UJ	
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg	0.2	UJ	
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg	0.2	UJ	
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg	0.2	UJ	
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg	0.2	UJ	
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg	0.2	UJ	
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg	0.2	UJ	
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg	0.2	UJ	
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg	0.46	J-	
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg	0.07	J	
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg	0.2	UJ	
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg	0.037	J	
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg	0.2	UJ	
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg	0.2	UJ	
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg	0.2	UJ	
SM 2540G	Total Solids	TSO	NA	%			
SW6010D	Aluminum	7429-90-5	NA	mg/kg		15000	
SW6010D	Antimony	7440-36-0	NA	mg/kg		2.2	U
SW6010D	Arsenic	7440-38-2	NA	mg/kg		3.4	J
SW6010D	Barium	7440-39-3	NA	mg/kg		100	
SW6010D	Beryllium	7440-41-7	NA	mg/kg		0.7	
SW6010D	Cadmium	7440-43-9	NA	mg/kg		0.44	U
SW6010D	Calcium	7440-70-2	NA	mg/kg		53000	
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg		20	
SW6010D	Cobalt	7440-48-4	NA	mg/kg		10	
SW6010D	Copper	7440-50-8	NA	mg/kg		21	

					Location ID	SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID	SB-13-1.0-1.5-D		SB-13-1.0-1.5-D		SB-13-11.0-12.6		SB-13-11.0-12.6		SB-13-11.0-12.6	
					Matrix	SO		SO		SO		SO		SO	
					Lab Sample ID	23K1144-02RE1		L1676441-02		23K2477-06		23K2479-06RE1		L1679668-06	
					SDG	23K1136		23K1136		23K2477		23K2477		23K2477	
					Sample Date	11/7/2023		11/7/2023		11/16/2023		11/16/2023		11/16/2023	
					Sample Type Code	FD		FD		N		N		N	
Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit											
SW6010D	Iron	7439-89-6	NA	mg/kg						22000					
SW6010D	Lead	7439-92-1	NA	mg/kg						8.5					
SW6010D	Magnesium	7439-95-4	NA	mg/kg						17000					
SW6010D	Manganese	7439-96-5	NA	mg/kg						560					
SW6010D	Nickel	7440-02-0	NA	mg/kg						24					
SW6010D	Potassium	7440-09-7	NA	mg/kg						2900					
SW6010D	Selenium	7782-49-2	NA	mg/kg						4.4	U				
SW6010D	Silver	7440-22-4	NA	mg/kg						0.44	U				
SW6010D	Sodium	7440-23-5	NA	mg/kg						210	J				
SW6010D	Thallium	7440-28-0	NA	mg/kg						2.2	U				
SW6010D	Vanadium	7440-62-2	NA	mg/kg						27					
SW6010D	Zinc	7440-66-6	NA	mg/kg						66					
SW7471B	Mercury	7439-97-6	NA	mg/kg						0.034	U				
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg				0.0855	U					0.0939	U
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg				0.0855	U					0.0939	U
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg				0.0855	U					0.0939	U
SW8151	Dalapon	75-99-0	NA	mg/kg				0.0855	U					0.0939	U
SW8151	Dicamba	1918-00-9	NA	mg/kg				0.0855	U					0.0939	U
SW8151	Dichloroprop	120-36-5	NA	mg/kg				0.0855	U					0.0939	U
SW8151	Dinoseb	88-85-7	NA	mg/kg				0.0855	U					0.0939	U
SW8151	MCPA	94-74-6	NA	mg/kg				7.94	U					8.72	U
SW8151	Mecoprop	93-65-2	NA	mg/kg				7.94	U					8.72	U
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg				0.0855	U					0.0939	U
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg						0.066	U				
SW9014	Cyanide	57-12-5	T	ma/ka						0.54	U				

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	SB-13 SB-13-12.6-13.5 SO 23K2477-07 23K2477 11/16/2023 N	SB-13 SB-13-12.6-13.5 SO 23K2479-07RE1 23K2477 11/16/2023 N	SB-13 SB-13-12.6-13.5 SO L1679668-07 23K2477 11/16/2023 N	SB-13 SB-13-8.0-10.0 SO 23K2477-05 23K2477 11/16/2023 N	SB-13 SB-13-8.0-10.0 SO 23K2479-05RE1 23K2477 11/16/2023 N
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
8081B	Alachlor	15972-60-8	NA	mg/kg	0.023	U			0.027	U
8081B	Aldrin	309-00-2	NA	mg/kg	0.0056	U			0.0067	U
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg	0.0056	U			0.0067	U
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg	0.0056	U			0.0067	U
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg	0.0056	U			0.0067	U
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg	0.009	U			0.011	U
8081B	Chlordane	57-74-9	NA	mg/kg	0.023	U			0.027	U
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg	0.0056	U			0.0067	U
8081B	Dieldrin	60-57-1	NA	mg/kg	0.0045	U			0.0053	U
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg	0.009	U			0.011	U
8081B	Endrin	72-20-8	NA	mg/kg	0.009	U			0.011	U
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg	0.009	U			0.011	U
8081B	Endrin Ketone	53494-70-5	NA	mg/kg	0.009	U			0.011	U
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg	0.0023	U			0.0027	U
8081B	Heptachlor	76-44-8	NA	mg/kg	0.0056	U			0.0067	U
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg	0.0056	U			0.0067	U
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg	0.0068	U			0.008	U
8081B	Methoxychlor	72-43-5	NA	mg/kg	0.056	U			0.067	U
8081B	P,P'-DDD	72-54-8	NA	mg/kg	0.0045	U			0.0053	U
8081B	P,P'-DDE	72-55-9	NA	mg/kg	0.0045	U			0.0053	U
8081B	P,P'-DDT	50-29-3	NA	mg/kg	0.0045	U			0.0053	U
8081B	Toxaphene	8001-35-2	NA	mg/kg	0.11	U			0.13	U
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg	0.09	U			0.11	U
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg	0.09	U			0.11	U
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg	0.09	U			0.11	U
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg	0.09	U			0.11	U
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg	0.09	U			0.11	U
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg	0.09	U			0.11	U
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg	0.09	U			0.11	U
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg	0.09	U			0.11	U
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg	0.09	U			0.11	U
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg	0.00074	U			0.0011	U
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg	0.0074	U			0.011	U
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg	0.003	U			0.0044	U
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg	0.00074	U			0.0011	U
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg	0.0015	U			0.0022	U
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.074	U			0.11	U
8260D	2-Hexanone	591-78-6	NA	mg/kg	0.015	U			0.022	U
8260D	Acetone	67-64-1	NA	mg/kg	0.074	U			0.01	J
8260D	Benzene	71-43-2	NA	mg/kg	0.0014	J			0.0022	U

					Location ID		SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID		SB-13-12.6-13.5		SB-13-12.6-13.5		SB-13-12.6-13.5		SB-13-8.0-10.0		SB-13-8.0-10.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K2477-07		23K2479-07RE1		L1679668-07		23K2477-05		23K2479-05RE1	
					SDG		23K2477		23K2477		23K2477		23K2477		23K2477	
					Sample Date		11/16/2023		11/16/2023		11/16/2023		11/16/2023		11/16/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
8260D	Bromochloromethane	74-97-5	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Bromodichloromethane	75-27-4	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Bromoform	75-25-2	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Bromomethane	74-83-9	NA	mg/kg	0.0074	UJ							0.011	UJ		
8260D	Carbon Disulfide	75-15-0	NA	mg/kg	0.0074	U							0.011	U		
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Chlorobenzene	108-90-7	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Chloroethane	75-00-3	NA	mg/kg	0.015	UJ							0.022	UJ		
8260D	Chloroform	67-66-3	NA	mg/kg	0.003	U							0.0044	U		
8260D	Chloromethane	74-87-3	NA	mg/kg	0.0074	UJ							0.011	UJ		
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	0.0089								0.0041			
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	0.00074	U							0.0011	U		
8260D	Cyclohexane	110-82-7	NA	mg/kg	0.0074	U							0.011	U		
8260D	Dibromochloromethane	124-48-1	NA	mg/kg	0.00074	U							0.0011	U		
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg	0.015	U							0.022	U		
8260D	Ethylbenzene	100-41-4	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Methyl Acetate	79-20-9	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	0.03	U							0.044	U		
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	0.015	U							0.022	U		
8260D	Methylcyclohexane	108-87-2	NA	mg/kg	0.0027	J							0.0044	U		
8260D	Methylene Chloride	75-09-2	NA	mg/kg	0.015	U							0.022	U		
8260D	Styrene	100-42-5	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	0.003	U							0.0044	U		
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	0.0017								0.005			
8260D	Toluene	108-88-3	NA	mg/kg	0.0015	J							0.00088	J		
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	0.0015	U							0.0022	U		
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	0.00074	U							0.0011	U		
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	0.0038								0.005			
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg	0.0074	UJ							0.011	UJ		
8260D	Vinyl Chloride	75-01-4	NA	mg/kg	0.0074	U							0.011	U		
8260D	Xylenes	1330-20-7	NA	mg/kg	0.0015	U							0.0022	U		
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	0.39	U							0.45	U		
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	0.39	U							0.45	U		
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	0.39	U							0.45	U		
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg	0.39	U							0.45	U		
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg	0.39	U							0.45	U		
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg	0.75	U							0.88	U		
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	0.39	U							0.45	U		
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	0.39	U							0.45	U		
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg	0.39	U							0.45	U		
8270E	2-Chlorophenol	95-57-8	NA	mg/kg	0.39	U							0.45	U		
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg	0.19	U							0.23	U		
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	0.39	U							0.45	U		
8270E	2-Nitroaniline	88-74-4	NA	mg/kg	0.39	U							0.45	U		
8270E	2-Nitrophenol	88-75-5	NA	mg/kg	0.39	U							0.45	U		
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	0.39	U							0.45	U		
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	0.19	U							0.23	U		
8270E	3-Nitroaniline	99-09-2	NA	mg/kg	0.39	U							0.45	U		
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	0.39	U							0.45	U		

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					SB-13 SB-13-12.6-13.5 SO 23K2477-07 23K2477 11/16/2023 N		SB-13 SB-13-12.6-13.5 SO 23K2479-07RE1 23K2477 11/16/2023 N		SB-13 SB-13-12.6-13.5 SO L1679668-07 23K2477 11/16/2023 N		SB-13 SB-13-8.0-10.0 SO 23K2477-05 23K2477 11/16/2023 N		SB-13 SB-13-8.0-10.0 SO 23K2479-05RE1 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg	0.39	U					0.45	U		
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg	0.75	U					0.88	U		
8270E	4-Chloroaniline	106-47-8	NA	mg/kg	0.75	U					0.88	U		
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg	0.39	U					0.45	U		
8270E	4-Nitroaniline	100-01-6	NA	mg/kg	0.39	U					0.45	U		
8270E	4-Nitrophenol	100-02-7	NA	mg/kg	0.75	U					0.88	U		
8270E	Acenaphthene	83-32-9	NA	mg/kg	0.19	U					0.23	U		
8270E	Acenaphthylene	208-96-8	NA	mg/kg	0.19	U					0.23	U		
8270E	Acetophenone	98-86-2	NA	mg/kg	0.39	U					0.45	U		
8270E	Anthracene	120-12-7	NA	mg/kg	0.19	U					0.23	U		
8270E	Atrazine	1912-24-9	NA	mg/kg	0.76	UJ					0.89	UJ		
8270E	Benzaldehyde	100-52-7	NA	mg/kg	0.39	UJ					0.45	UJ		
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg	0.19	U					0.23	U		
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg	0.19	U					0.23	U		
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg	0.19	U					0.23	U		
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg	0.19	U					0.23	U		
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg	0.19	U					0.23	U		
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg	0.39	U					0.45	U		
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg	0.76	U					0.89	U		
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg	0.39	U					0.45	U		
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg	0.39	U					0.45	U		
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg	0.39	U					0.45	U		
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg	0.39	U					0.45	U		
8270E	Caprolactam	105-60-2	NA	mg/kg	0.39	UJ					0.45	UJ		
8270E	Carbazole	86-74-8	NA	mg/kg	0.19	U					0.23	U		
8270E	Chrysene	218-01-9	NA	mg/kg	0.19	U					0.23	U		
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg	0.19	U					0.23	U		
8270E	Dibenzofuran	132-64-9	NA	mg/kg	0.39	U					0.45	U		
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg	0.39	U					0.45	U		
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg	0.39	U					0.45	U		
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg	0.39	U					0.45	U		
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg	0.39	UJ					0.45	UJ		
8270E	Fluoranthene	206-44-0	NA	mg/kg	0.19	U					0.23	U		
8270E	Fluorene	86-73-7	NA	mg/kg	0.19	U					0.23	U		
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg	0.39	U					0.45	U		
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg	0.39	U					0.45	U		
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg	0.39	U					0.45	U		
8270E	Hexachloroethane	67-72-1	NA	mg/kg	0.39	U					0.45	U		
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg	0.19	U					0.23	U		
8270E	Isophorone	78-59-1	NA	mg/kg	0.39	U					0.45	U		
8270E	Naphthalene	91-20-3	NA	mg/kg	0.19	U					0.23	U		
8270E	Nitrobenzene	98-95-3	NA	mg/kg	0.39	U					0.45	U		
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg	0.39	U					0.45	U		
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg	0.39	U					0.45	U		
8270E	Pentachlorophenol	87-86-5	NA	mg/kg	0.39	U					0.45	U		
8270E	Phenanthrene	85-01-8	NA	mg/kg	0.19	U					0.23	U		
8270E	Phenol	108-95-2	NA	mg/kg	0.39	U					0.45	U		
8270E	Pyrene	129-00-0	NA	mg/kg	0.19	U					0.23	U		
A2540G	Solids, Percent	SOLID	NA	%	87.7						75.1			
E1633	11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg			0.8	U					0.78	U

		Location ID Sample ID Lab Sample ID SDG Sample Date Sample Type Code			SB-13 SB-13-12.6-13.5 SO 23K2477-07 23K2477 11/16/2023 N		SB-13 SB-13-12.6-13.5 SO 23K2479-07RE1 23K2477 11/16/2023 N		SB-13 SB-13-12.6-13.5 SO L1679668-07 23K2477 11/16/2023 N		SB-13 SB-13-8.0-10.0 SO 23K2477-05 23K2477 11/16/2023 N		SB-13 SB-13-8.0-10.0 SO 23K2479-05RE1 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg			0.8	U					0.78	U
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg			0.8	U					0.78	U
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg			0.8	U					0.78	U
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg			2	U					2	U
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg			2	U					2	U
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg			10	U					9.8	U
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg			10	U					9.8	U
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg			2	U					2	U
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg			0.8	U					0.78	U
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg			0.8	U					0.78	U
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg			0.8	U					0.78	U
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg			0.2	U					0.2	U
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg			0.2	U					0.2	U
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg			0.2	U					0.2	U
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg			0.2	U					0.2	U
E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	NA	ug/kg			0.4	U					0.39	U
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg			0.4	U					0.39	U
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg			0.4	U					0.39	U
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg			0.4	U					0.39	U
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg			0.8	U					0.78	U
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg			0.066	J					0.2	U
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg			0.026	J					0.027	J
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluorotridecanoic Acid (PFTriA/PFTTrDA)	72629-94-8	NA	ug/kg			0.2	U					0.2	U
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg			0.2	U					0.2	U
SM 2540G	Total Solids	TSO	NA	%					89.2					
SW6010D	Aluminum	7429-90-5	NA	mg/kg	1100						18000			
SW6010D	Antimony	7440-36-0	NA	mg/kg	1.8	U					2.2	U		
SW6010D	Arsenic	7440-38-2	NA	mg/kg	3.6	U					5.1			
SW6010D	Barium	7440-39-3	NA	mg/kg	21						120			
SW6010D	Beryllium	7440-41-7	NA	mg/kg	0.18	U					0.83			
SW6010D	Cadmium	7440-43-9	NA	mg/kg	17						0.44	U		
SW6010D	Calcium	7440-70-2	NA	mg/kg	1000						60000			
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg	21						24			
SW6010D	Cobalt	7440-48-4	NA	mg/kg	0.99	J					12			
SW6010D	Copper	7440-50-8	NA	mg/kg	4.6						23			

					Location ID		SB-13		SB-13		SB-13		SB-13		SB-13	
					Sample ID		SB-13-12.6-13.5		SB-13-12.6-13.5		SB-13-12.6-13.5		SB-13-8.0-10.0		SB-13-8.0-10.0	
					Matrix		SO		SO		SO		SO		SO	
					Lab Sample ID		23K2477-07		23K2479-07RE1		L1679668-07		23K2477-05		23K2479-05RE1	
					SDG		23K2477		23K2477		23K2477		23K2477		23K2477	
					Sample Date		11/16/2023		11/16/2023		11/16/2023		11/16/2023		11/16/2023	
					Sample Type Code		N		N		N		N		N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit												
SW6010D	Iron	7439-89-6	NA	mg/kg	2600								36000			
SW6010D	Lead	7439-92-1	NA	mg/kg	3.6								8.3			
SW6010D	Magnesium	7439-95-4	NA	mg/kg	700								16000			
SW6010D	Manganese	7439-96-5	NA	mg/kg	39								630			
SW6010D	Nickel	7440-02-0	NA	mg/kg	2								28			
SW6010D	Potassium	7440-09-7	NA	mg/kg	140 J								3300			
SW6010D	Selenium	7782-49-2	NA	mg/kg	3.6 U								4.4 U			
SW6010D	Silver	7440-22-4	NA	mg/kg	0.36 U								0.44 U			
SW6010D	Sodium	7440-23-5	NA	mg/kg	180 U								230			
SW6010D	Thallium	7440-28-0	NA	mg/kg	1.8 U								2.2 U			
SW6010D	Vanadium	7440-62-2	NA	mg/kg	3.7								32			
SW6010D	Zinc	7440-66-6	NA	mg/kg	21								58			
SW7471B	Mercury	7439-97-6	NA	mg/kg	0.028 U								0.033 U			
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg					0.0785 U							
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg					0.0785 U							
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg					0.0785 U							
SW8151	Dalapon	75-99-0	NA	mg/kg					0.0785 U							
SW8151	Dicamba	1918-00-9	NA	mg/kg					0.0785 U							
SW8151	Dichloroprop	120-36-5	NA	mg/kg					0.0785 U							
SW8151	Dinoseb	88-85-7	NA	mg/kg					0.0785 U							
SW8151	MCPA	94-74-6	NA	mg/kg					7.29 U							
SW8151	Mecoprop	93-65-2	NA	mg/kg					7.29 U							
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg					0.0785 U							
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	0.056 U								0.064 U			
SW9014	Cyanide	57-12-5	T	mg/kg	0.53 U								0.61			

			Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		SB-13 SB-13-8.0-10.0 SO L1679668-05 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit		
8081B	Alachlor	15972-60-8	NA	mg/kg		
8081B	Aldrin	309-00-2	NA	mg/kg		
8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	mg/kg		
8081B	Alpha Endosulfan	959-98-8	NA	mg/kg		
8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	mg/kg		
8081B	Beta Endosulfan	33213-65-9	NA	mg/kg		
8081B	Chlordane	57-74-9	NA	mg/kg		
8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	mg/kg		
8081B	Dieldrin	60-57-1	NA	mg/kg		
8081B	Endosulfan Sulfate	1031-07-8	NA	mg/kg		
8081B	Endrin	72-20-8	NA	mg/kg		
8081B	Endrin Aldehyde	7421-93-4	NA	mg/kg		
8081B	Endrin Ketone	53494-70-5	NA	mg/kg		
8081B	Gamma Bhc (Lindane)	58-89-9	NA	mg/kg		
8081B	Heptachlor	76-44-8	NA	mg/kg		
8081B	Heptachlor Epoxide	1024-57-3	NA	mg/kg		
8081B	Hexachlorobenzene	118-74-1	NA	mg/kg		
8081B	Methoxychlor	72-43-5	NA	mg/kg		
8081B	P,P'-DDD	72-54-8	NA	mg/kg		
8081B	P,P'-DDE	72-55-9	NA	mg/kg		
8081B	P,P'-DDT	50-29-3	NA	mg/kg		
8081B	Toxaphene	8001-35-2	NA	mg/kg		
8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	mg/kg		
8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	mg/kg		
8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	mg/kg		
8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	mg/kg		
8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	mg/kg		
8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	mg/kg		
8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	mg/kg		
8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	mg/kg		
8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	mg/kg		
8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	mg/kg		
8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	mg/kg		
8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	mg/kg		
8260D	1,1,2-Trichloroethane	79-00-5	NA	mg/kg		
8260D	1,1-Dichloroethane	75-34-3	NA	mg/kg		
8260D	1,1-Dichloroethene	75-35-4	NA	mg/kg		
8260D	1,2,3-Trichlorobenzene	87-61-6	NA	mg/kg		
8260D	1,2,4-Trichlorobenzene	120-82-1	NA	mg/kg		
8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	mg/kg		
8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	mg/kg		
8260D	1,2-Dichlorobenzene	95-50-1	NA	mg/kg		
8260D	1,2-Dichloroethane	107-06-2	NA	mg/kg		
8260D	1,2-Dichloropropane	78-87-5	NA	mg/kg		
8260D	1,3-Dichlorobenzene	541-73-1	NA	mg/kg		
8260D	1,4-Dichlorobenzene	106-46-7	NA	mg/kg		
8260D	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg		
8260D	2-Hexanone	591-78-6	NA	mg/kg		
8260D	Acetone	67-64-1	NA	mg/kg		
8260D	Benzene	71-43-2	NA	mg/kg		

			Location ID	SB-13	
			Sample ID	SB-13-8.0-10.0	
			Matrix	SO	
			Lab Sample ID	L1679668-05	
			SDG	23K2477	
			Sample Date	11/16/2023	
			Sample Type Code	N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit	
8260D	Bromochloromethane	74-97-5	NA	mg/kg	
8260D	Bromodichloromethane	75-27-4	NA	mg/kg	
8260D	Bromoform	75-25-2	NA	mg/kg	
8260D	Bromomethane	74-83-9	NA	mg/kg	
8260D	Carbon Disulfide	75-15-0	NA	mg/kg	
8260D	Carbon Tetrachloride	56-23-5	NA	mg/kg	
8260D	Chlorobenzene	108-90-7	NA	mg/kg	
8260D	Chloroethane	75-00-3	NA	mg/kg	
8260D	Chloroform	67-66-3	NA	mg/kg	
8260D	Chloromethane	74-87-3	NA	mg/kg	
8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	mg/kg	
8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	mg/kg	
8260D	Cyclohexane	110-82-7	NA	mg/kg	
8260D	Dibromochloromethane	124-48-1	NA	mg/kg	
8260D	Dichlorodifluoromethane	75-71-8	NA	mg/kg	
8260D	Ethylbenzene	100-41-4	NA	mg/kg	
8260D	Isopropylbenzene (Cumene)	98-82-8	NA	mg/kg	
8260D	Methyl Acetate	79-20-9	NA	mg/kg	
8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	mg/kg	
8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	mg/kg	
8260D	Methylcyclohexane	108-87-2	NA	mg/kg	
8260D	Methylene Chloride	75-09-2	NA	mg/kg	
8260D	Styrene	100-42-5	NA	mg/kg	
8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	mg/kg	
8260D	Tetrachloroethylene (PCE)	127-18-4	NA	mg/kg	
8260D	Toluene	108-88-3	NA	mg/kg	
8260D	Trans-1,2-Dichloroethene	156-60-5	NA	mg/kg	
8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	mg/kg	
8260D	Trichloroethylene (TCE)	79-01-6	NA	mg/kg	
8260D	Trichlorofluoromethane	75-69-4	NA	mg/kg	
8260D	Vinyl Chloride	75-01-4	NA	mg/kg	
8260D	Xylenes	1330-20-7	NA	mg/kg	
8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	mg/kg	
8270E	2,4,5-Trichlorophenol	95-95-4	NA	mg/kg	
8270E	2,4,6-Trichlorophenol	88-06-2	NA	mg/kg	
8270E	2,4-Dichlorophenol	120-83-2	NA	mg/kg	
8270E	2,4-Dimethylphenol	105-67-9	NA	mg/kg	
8270E	2,4-Dinitrophenol	51-28-5	NA	mg/kg	
8270E	2,4-Dinitrotoluene	121-14-2	NA	mg/kg	
8270E	2,6-Dinitrotoluene	606-20-2	NA	mg/kg	
8270E	2-Chloronaphthalene	91-58-7	NA	mg/kg	
8270E	2-Chlorophenol	95-57-8	NA	mg/kg	
8270E	2-Methylnaphthalene	91-57-6	NA	mg/kg	
8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	mg/kg	
8270E	2-Nitroaniline	88-74-4	NA	mg/kg	
8270E	2-Nitrophenol	88-75-5	NA	mg/kg	
8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	mg/kg	
8270E	3,3'-Dichlorobenzidine	91-94-1	NA	mg/kg	
8270E	3-Nitroaniline	99-09-2	NA	mg/kg	
8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	mg/kg	

			Location ID	Sample ID	Matrix	Lab Sample ID	SDG	Sample Date	Sample Type Code
				SB-13	SB-13-8.0-10.0	SO	L1679668-05	23K2477	11/16/2023
								N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	mg/kg					
8270E	4-Chloro-3-Methylphenol	59-50-7	NA	mg/kg					
8270E	4-Chloroaniline	106-47-8	NA	mg/kg					
8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	mg/kg					
8270E	4-Nitroaniline	100-01-6	NA	mg/kg					
8270E	4-Nitrophenol	100-02-7	NA	mg/kg					
8270E	Acenaphthene	83-32-9	NA	mg/kg					
8270E	Acenaphthylene	208-96-8	NA	mg/kg					
8270E	Acetophenone	98-86-2	NA	mg/kg					
8270E	Anthracene	120-12-7	NA	mg/kg					
8270E	Atrazine	1912-24-9	NA	mg/kg					
8270E	Benzaldehyde	100-52-7	NA	mg/kg					
8270E	Benzo(A)Anthracene	56-55-3	NA	mg/kg					
8270E	Benzo(A)Pyrene	50-32-8	NA	mg/kg					
8270E	Benzo(B)Fluoranthene	205-99-2	NA	mg/kg					
8270E	Benzo(G,H,I)Perylene	191-24-2	NA	mg/kg					
8270E	Benzo(K)Fluoranthene	207-08-9	NA	mg/kg					
8270E	Benzyl Butyl Phthalate	85-68-7	NA	mg/kg					
8270E	Biphenyl (Diphenyl)	92-52-4	NA	mg/kg					
8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	mg/kg					
8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	mg/kg					
8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	mg/kg					
8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	mg/kg					
8270E	Caprolactam	105-60-2	NA	mg/kg					
8270E	Carbazole	86-74-8	NA	mg/kg					
8270E	Chrysene	218-01-9	NA	mg/kg					
8270E	Dibenz(A,H)Anthracene	53-70-3	NA	mg/kg					
8270E	Dibenzofuran	132-64-9	NA	mg/kg					
8270E	Diethyl Phthalate	84-66-2	NA	mg/kg					
8270E	Dimethyl Phthalate	131-11-3	NA	mg/kg					
8270E	Di-N-Butyl Phthalate	84-74-2	NA	mg/kg					
8270E	Di-N-Octylphthalate	117-84-0	NA	mg/kg					
8270E	Fluoranthene	206-44-0	NA	mg/kg					
8270E	Fluorene	86-73-7	NA	mg/kg					
8270E	Hexachlorobenzene	118-74-1	NA	mg/kg					
8270E	Hexachlorobutadiene	87-68-3	NA	mg/kg					
8270E	Hexachlorocyclopentadiene	77-47-4	NA	mg/kg					
8270E	Hexachloroethane	67-72-1	NA	mg/kg					
8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	mg/kg					
8270E	Isophorone	78-59-1	NA	mg/kg					
8270E	Naphthalene	91-20-3	NA	mg/kg					
8270E	Nitrobenzene	98-95-3	NA	mg/kg					
8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	mg/kg					
8270E	N-Nitrosodiphenylamine	86-30-6	NA	mg/kg					
8270E	Pentachlorophenol	87-86-5	NA	mg/kg					
8270E	Phenanthrene	85-01-8	NA	mg/kg					
8270E	Phenol	108-95-2	NA	mg/kg					
8270E	Pyrene	129-00-0	NA	mg/kg					
A2540G	Solids, Percent	SOLID	NA	%					
E1633	11-Chloroicosafuoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	NA	ug/kg					

			Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		SB-13 SB-13-8.0-10.0 SO L1679668-05 23K2477 11/16/2023 N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit		
E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	NA	ug/kg		
E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	NA	ug/kg		
E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	NA	ug/kg		
E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	NA	ug/kg		
E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	NA	ug/kg		
E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	NA	ug/kg		
E1633	3-Perfluoroheptyl propanoic acid	812-70-4	NA	ug/kg		
E1633	3-Perfluoropropyl propanoic acid	356-02-5	NA	ug/kg		
E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	NA	ug/kg		
E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	NA	ug/kg		
E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	NA	ug/kg		
E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	NA	ug/kg		
E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	NA	ug/kg		
E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	NA	ug/kg		
E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	NA	ug/kg		
E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NA	ug/kg		
E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NA	ug/kg		
E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	NA	ug/kg		
E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	NA	ug/kg		
E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	NA	ug/kg		
E1633	Perfluorobutanoic Acid	375-22-4	NA	ug/kg		
E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	NA	ug/kg		
E1633	Perfluorodecanoic acid (PFDA)	335-76-2	NA	ug/kg		
E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	NA	ug/kg		
E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	NA	ug/kg		
E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NA	ug/kg		
E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	NA	ug/kg		
E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NA	ug/kg		
E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	NA	ug/kg		
E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NA	ug/kg		
E1633	Perfluorononanoic acid (PFNA)	375-95-1	NA	ug/kg		
E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	NA	ug/kg		
E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	NA	ug/kg		
E1633	Perfluorooctanoic acid (PFOA)	335-67-1	NA	ug/kg		
E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NA	ug/kg		
E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	NA	ug/kg		
E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	NA	ug/kg		
E1633	Perfluorotridecanoic Acid (PFTriA/PFTrDA)	72629-94-8	NA	ug/kg		
E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NA	ug/kg		
SM 2540G	Total Solids	TSO	NA	%	77.6	
SW6010D	Aluminum	7429-90-5	NA	mg/kg		
SW6010D	Antimony	7440-36-0	NA	mg/kg		
SW6010D	Arsenic	7440-38-2	NA	mg/kg		
SW6010D	Barium	7440-39-3	NA	mg/kg		
SW6010D	Beryllium	7440-41-7	NA	mg/kg		
SW6010D	Cadmium	7440-43-9	NA	mg/kg		
SW6010D	Calcium	7440-70-2	NA	mg/kg		
SW6010D	Chromium, Total	7440-47-3	NA	mg/kg		
SW6010D	Cobalt	7440-48-4	NA	mg/kg		
SW6010D	Copper	7440-50-8	NA	mg/kg		

			Location ID	SB-13	
			Sample ID	SB-13-8.0-10.0	
			Matrix	SO	
			Lab Sample ID	L1679668-05	
			SDG	23K2477	
			Sample Date	11/16/2023	
			Sample Type Code	N	
Analytical Method	Chemical Name	CAS RN	FRACTION	Unit	
SW6010D	Iron	7439-89-6	NA	mg/kg	
SW6010D	Lead	7439-92-1	NA	mg/kg	
SW6010D	Magnesium	7439-95-4	NA	mg/kg	
SW6010D	Manganese	7439-96-5	NA	mg/kg	
SW6010D	Nickel	7440-02-0	NA	mg/kg	
SW6010D	Potassium	7440-09-7	NA	mg/kg	
SW6010D	Selenium	7782-49-2	NA	mg/kg	
SW6010D	Silver	7440-22-4	NA	mg/kg	
SW6010D	Sodium	7440-23-5	NA	mg/kg	
SW6010D	Thallium	7440-28-0	NA	mg/kg	
SW6010D	Vanadium	7440-62-2	NA	mg/kg	
SW6010D	Zinc	7440-66-6	NA	mg/kg	
SW7471B	Mercury	7439-97-6	NA	mg/kg	
SW8151	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	mg/kg	0.0902 U
SW8151	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	mg/kg	0.0902 U
SW8151	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	mg/kg	0.0902 U
SW8151	Dalapon	75-99-0	NA	mg/kg	0.0902 U
SW8151	Dicamba	1918-00-9	NA	mg/kg	0.0902 U
SW8151	Dichloroprop	120-36-5	NA	mg/kg	0.0902 U
SW8151	Dinoseb	88-85-7	NA	mg/kg	0.0902 U
SW8151	MCPA	94-74-6	NA	mg/kg	8.38 U
SW8151	Mecoprop	93-65-2	NA	mg/kg	8.38 U
SW8151	Silvex (2,4,5-TP)	93-72-1	NA	mg/kg	0.0902 U
SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	mg/kg	
SW9014	Cyanide	57-12-5	T	mg/kg	

ATTACHMENT A-3 VALIDATED LABORATORY DATA FOR GROUNDWATER SAMPLES

						Location ID	PINEAVE-016-06		PINEAVE-016-09	PINEAVE-017-08	PINEAVE-017-09
						Sample ID	WQ		WQ	WQ	WQ
						Matrix	24D3027-06		24D3027-09	24D3282-08	24D3282-09
						Lab Sample ID	24D3027		24D3027	24D3282	24D3282
						SDG	4/24/2024		4/24/2024	4/25/2024	4/25/2024
						Sample Date	TB		FB	TB	EB
						Sample Type Code					
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l						
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l						
TRG	8081B	Aldrin	309-00-2	NA	ug/l						0.046 U
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l						0.046 U
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l						0.046 U
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l						0.046 U
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l						0.074 U
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l						0.046 U
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l						0.046 U
TRG	8081B	Dieldrin	60-57-1	NA	ug/l						0.0019 U
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l						0.074 U
TRG	8081B	Endrin	72-20-8	NA	ug/l						0.074 U
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l						0.074 U
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l						0.074 U
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l						0.028 U
TRG	8081B	Heptachlor	76-44-8	NA	ug/l						0.046 U
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l						0.046 U
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l						0.46 U
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l						0.037 U
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l						0.037 U
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l						0.037 U
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l						0.93 U
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l						0.046 U
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l						0.19 U
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l						0.19 U
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l						0.19 U
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l						0.19 U
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l						0.19 U
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l						0.19 U
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l						0.19 U
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l						0.19 U
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l						0.19 U
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,1,1,2-Tetrachloroethane	79-34-5	NA	ug/l		0.5 U		0.5 U		0.5 U
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l		5 U		5 U		5 U
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l		2 U		2 U		2 U
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l		5 U		5 U		5 U
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l		0.5 U		0.5 U		0.5 U
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l		1 U		1 U		1 U
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l		1 U		1 U		1 U

						Location ID	PINEAVE-016-06		PINEAVE-016-09	PINEAVE-017-08	PINEAVE-017-09
						Sample ID	WQ		WQ	WQ	WQ
						Matrix	24D3027-06		24D3027-09	24D3282-08	24D3282-09
						Lab Sample ID	24D3027		24D3027	24D3282	24D3282
						SDG	4/24/2024		4/24/2024	4/25/2024	4/25/2024
						Sample Date	TB		FB	TB	EB
						Sample Type Code					
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l		1 U			1 U	1 U
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l		1 U			1 U	1 U
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l		1 U			1 U	1 U
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l		10 U			10 U	10 U
TRG	8260D	Acetone	67-64-1	NA	ug/l		2.8 J			50 U	50 U
TRG	8260D	Benzene	71-43-2	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l		1 U			1 U	1 UJ
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l		0.5 U			0.5 U	0.5 U
TRG	8260D	Bromoform	75-25-2	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Bromomethane	74-83-9	NA	ug/l		2 U			2 U	2 UJ
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l		5 U			5 UJ	5 UJ
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l		5 U			5 U	5 U
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Chloroethane	75-00-3	NA	ug/l		2 U			2 U	2 U
TRG	8260D	Chloroform	67-66-3	NA	ug/l		2 U			2 U	2 U
TRG	8260D	Chloromethane	74-87-3	NA	ug/l		2 U			2 UJ	2 U
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l		0.5 U			0.5 U	0.5 U
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l		5 U			5 U	5 U
TRG	8260D	Cymene	99-87-6	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l		0.5 U			0.5 U	0.5 U
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l		2 U			2 U	2 U
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l		1 U			1 U	1 U
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l		2 U			2 U	2 U
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l		1 UJ			1 U	1 U
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l		20 UJ			20 U	20 U
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l		10 U			10 U	10 U
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l		5 U			5 UJ	5 U
TRG	8260D	Naphthalene	91-20-3	NA	ug/l		2 U			2 U	2 UJ
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l		1 U			1 U	1 U
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l		1 U			1 U	1 U
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Styrene	100-42-5	NA	ug/l		1 U			1 U	1 U
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Toluene	108-88-3	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l		0.5 U			0.5 U	0.5 U
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l		1 U			1 U	1 U
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l		2 UJ			2 U	2 U
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l		2 U			2 U	2 U
TRG	8260D	Xylenes	1330-20-7	NA	ug/l		1 U			1 U	1 U
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l						9.5 U

						Location ID	PINEAVE-016-06		PINEAVE-016-09	PINEAVE-017-08	PINEAVE-017-09
						Sample ID	WQ		WQ	WQ	WQ
						Matrix	24D3027-06		24D3027-09	24D3282-08	24D3282-09
						Lab Sample ID	24D3027		24D3027	24D3282	24D3282
						SDG	4/24/2024		4/24/2024	4/25/2024	4/25/2024
						Sample Date	TB		FB	TB	EB
						Sample Type Code					
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l						4.7 U
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l						19 UJ
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l						9.5 U
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l						9.5 U
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l						9.5 U
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l						9.5 U
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l						9.5 UJ
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l						9.5 U
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l						9.5 U
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l						9.5 U
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l						9.5 U
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l						4.7 U
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l						9.5 U
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l						9.5 U
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l						9.5 U
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l						9.5 U
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l						9.5 U
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l						9.5 U
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l						19 U
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l						9.5 U
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l						9.5 U
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l						9.5 U
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l						9.5 U
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l						9.5 U
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l						9.5 U
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l						4.7 U
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l						4.7 U
TRG	8270E	Acetophenone	98-86-2	NA	ug/l						9.5 U
TRG	8270E	Aniline	62-53-3	NA	ug/l						19 UJ
TRG	8270E	Anthracene	120-12-7	NA	ug/l						4.7 U
TRG	8270E	Atrazine	1912-24-9	NA	ug/l						19 U
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l						9.5 U
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l						4.7 U
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l						4.7 U
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l						4.7 U
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l						4.7 U
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l						4.7 U
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l						9.5 U
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l						19 U
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l						9.5 U
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l						9.5 U
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l						9.5 U
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l						9.5 U
TRG	8270E	Caprolactam	105-60-2	NA	ug/l						9.5 UJ
TRG	8270E	Carbazole	86-74-8	NA	ug/l						9.5 U
TRG	8270E	Chrysene	218-01-9	NA	ug/l						4.7 U
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l						4.7 U

						Location ID	PINEAVE-016-06		PINEAVE-016-09	PINEAVE-017-08	PINEAVE-017-09
						Sample ID	WQ		WQ	WQ	WQ
						Matrix	24D3027-06		24D3027-09	24D3282-08	24D3282-09
						Lab Sample ID	24D3027		24D3027	24D3282	24D3282
						SDG	4/24/2024		4/24/2024	4/25/2024	4/25/2024
						Sample Date	TB		FB	TB	EB
						Sample Type Code					
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l						4.7 U
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l						9.5 U
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l						9.5 U
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l						9.5 U
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l						9.5 U
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l						4.7 U
TRG	8270E	Fluorene	86-73-7	NA	ug/l						4.7 U
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l						9.5 U
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l						9.5 U
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l						9.5 U
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l						9.5 U
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l						4.7 U
TRG	8270E	Isophorone	78-59-1	NA	ug/l						9.5 U
TRG	8270E	Naphthalene	91-20-3	NA	ug/l						4.7 U
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l						9.5 U
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l						9.5 U
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l						9.5 U
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l						9.5 U
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l						4.7 U
TRG	8270E	Phenol	108-95-2	NA	ug/l						2.6 J
TRG	8270E	Pyrene	129-00-0	NA	ug/l						4.7 U
TRG	8270E	Pyridine	110-86-1	NA	ug/l						19 U
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l			4 U			4 U
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l			4 U			4 U
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l			4 U			4 U
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l			4 U			4 U
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l			9.9 U			9.9 U
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l			9.9 U			9.9 U
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l			50 U			49 U
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l			50 U			49 U
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l			9.9 U			9.9 U
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l			4 U			4 U
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l			4 U			4 U
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l			4 U			4 U
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l			0.99 U			0.99 U
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l			0.99 U			0.99 U
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l			0.99 U			0.99 U
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l			0.99 U			0.99 U
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l			2 U			2 U
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l			2 U			2 U
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l			2 U			2 U
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l			2 U			2 U
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l			0.99 U			0.99 U
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l			4 U			4 U
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l			0.99 U			0.99 U
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l			0.99 U			0.99 U
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l			0.99 U			0.99 U

						Location ID	PINEAVE-016-06		PINEAVE-016-09	PINEAVE-017-08	PINEAVE-017-09
						Sample ID	WQ		WQ	WQ	WQ
						Matrix					
						Lab Sample ID	24D3027-06		24D3027-09	24D3282-08	24D3282-09
						SDG	24D3027		24D3027	24D3282	24D3282
						Sample Date	4/24/2024		4/24/2024	4/25/2024	4/25/2024
						Sample Type Code	TB		FB	TB	EB
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l			2	U		2
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluorotridecanoic Acid (PFTrIA/PFTrDA)	72629-94-8	T	ng/l			0.99	U		0.99
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l			0.99	U		0.99
TRG	E1633	Total Suspended Solids	TSS	T	mg/l			10	U		10
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l						
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l						
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l						
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l						
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l						
TRG	RSK175	Ethane	74-84-0	T	mg/l						
TRG	RSK175	Ethene	74-85-1	T	mg/l						
TRG	RSK175	Methane	74-82-8	T	mg/l						
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l						
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l						0.05
TRG	SW6010D	Antimony	7440-36-0	T	mg/l						0.05
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l						0.01
TRG	SW6010D	Barium	7440-39-3	T	mg/l						0.05
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l						0.004
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l						0.004
TRG	SW6010D	Calcium	7440-70-2	T	mg/l						0.5
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l						0.01
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l						0.01
TRG	SW6010D	Copper	7440-50-8	T	mg/l						0.01
TRG	SW6010D	Iron	7439-89-6	T	mg/l						0.05
TRG	SW6010D	Lead	7439-92-1	T	mg/l						0.01
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l						0.05
TRG	SW6010D	Manganese	7439-96-5	D	mg/l						0.01
TRG	SW6010D	Manganese	7439-96-5	T	mg/l						0.01
TRG	SW6010D	Nickel	7440-02-0	T	mg/l						0.01
TRG	SW6010D	Potassium	7440-09-7	T	mg/l						2
TRG	SW6010D	Selenium	7782-49-2	T	mg/l						0.05
TRG	SW6010D	Silver	7440-22-4	T	mg/l						0.01
TRG	SW6010D	Sodium	7440-23-5	T	mg/l						4.7
TRG	SW6010D	Thallium	7440-28-0	T	mg/l						0.05
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l						0.01

					Location ID										
					Sample ID	PINEAVE-016-06		PINEAVE-016-09		PINEAVE-017-08		PINEAVE-017-09			
					Matrix	WQ		WQ		WQ		WQ			
					Lab Sample ID	24D3027-06		24D3027-09		24D3282-08		24D3282-09			
					SDG	24D3027		24D3027		24D3282		24D3282			
					Sample Date	4/24/2024		4/24/2024		4/25/2024		4/25/2024			
					Sample Type Code	TB		FB		TB		EB			
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
TRG	SW6010D	Zinc	7440-66-6	T	mg/l									0.01	U
TRG	SW7470A	Mercury	7439-97-6	T	mg/l									0.0002	U
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l										
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l										
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l										
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l										
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l										
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l										
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l										
TRG	SW8151A	MCPA	94-74-6	NA	ug/l										
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l										
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l										
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l									0.081	J
TRG	SW9014	Cyanide	57-12-5	T	mg/l									0.01	U

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code					PINEAVE-017-09 WQ L2423373-08 24D3282 4/25/2024 EB	PINEAVE-017-10 WQ 24D3282-10 24D3282 4/25/2024 FB	PINEAVE-023-004 WQ 24F0110-04 24F0110 5/31/2024 TB	MW-07 PINE AVE-021-002 WG 24E2164-02 24E2164 5/15/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l				
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l				2 U
TRG	8081B	Aldrin	309-00-2	NA	ug/l				
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l				
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l				
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l				
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l				
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l				
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l				
TRG	8081B	Dieldrin	60-57-1	NA	ug/l				
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l				
TRG	8081B	Endrin	72-20-8	NA	ug/l				
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l				
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l				
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l				
TRG	8081B	Heptachlor	76-44-8	NA	ug/l				
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l				
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l				
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l				
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l				
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l				
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l				
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l				
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l				
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l				
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l				
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l				
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l				
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l				
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l				
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l				
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l				
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l			1 U	
TRG	8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	ug/l			0.5 U	
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l			1 U	
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l			1 U	
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l			1 U	
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l			1 U	
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l			5 U	
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l			2 U	
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l			1 U	
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l			1 U	
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l			5 U	
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l			0.5 U	
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l			1 U	
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l			1 U	
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l			1 U	

						Location ID	PINEAVE-017-09		PINEAVE-017-10	PINEAVE-023-004	MW-07
						Sample ID	WQ		WQ	WQ	PINE AVE-021-002
						Matrix	L2423373-08		24D3282-10	24F0110-04	WG
						Lab Sample ID	24D3282		24D3282	24F0110	24E2164-02
						SDG	4/25/2024		4/25/2024	5/31/2024	24E2164
						Sample Date	EB		FB	TB	5/15/2024
						Sample Type Code					N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l					1 U	
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l					1 U	
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l					1 U	
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l					10 U	
TRG	8260D	Acetone	67-64-1	NA	ug/l					50 U	
TRG	8260D	Benzene	71-43-2	NA	ug/l					1 U	
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l					1 U	
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l					0.5 U	
TRG	8260D	Bromoform	75-25-2	NA	ug/l					1 U	
TRG	8260D	Bromomethane	74-83-9	NA	ug/l					2 U	
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l					5 UJ	
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l					5 U	
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l					1 U	
TRG	8260D	Chloroethane	75-00-3	NA	ug/l					2 U	
TRG	8260D	Chloroform	67-66-3	NA	ug/l					2 U	
TRG	8260D	Chloromethane	74-87-3	NA	ug/l					2 U	
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l					1 U	
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l					0.5 U	
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l					5 U	
TRG	8260D	Cymene	99-87-6	NA	ug/l					1 U	
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l					0.5 U	
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l					2 U	
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l					1 U	
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l					1 U	
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l					2 U	
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l					1 U	
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l					20 U	
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l					10 U	
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l					1 U	
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l					5 U	
TRG	8260D	Naphthalene	91-20-3	NA	ug/l					2 U	
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l					1 U	
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l					1 U	
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l					1 U	
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l					1 U	
TRG	8260D	Styrene	100-42-5	NA	ug/l					1 U	
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l					1 U	
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l					1 U	
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l					1 U	
TRG	8260D	Toluene	108-88-3	NA	ug/l					1 U	
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l					1 U	
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l					0.5 U	
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l					1 U	
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l					2 U	
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l					2 U	
TRG	8260D	Xylenes	1330-20-7	NA	ug/l					1 U	
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l						

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PINEAVE-017-09 WQ L2423373-08 24D3282 4/25/2024 EB		PINEAVE-017-10 WQ 24D3282-10 24D3282 4/25/2024 FB		PINEAVE-023-004 WQ 24F0110-04 24F0110 5/31/2024 TB		MW-07 PINE AVE-021-002 WG 24E2164-02 24E2164 5/15/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l										
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l										
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l										
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l										
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l										
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l										
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l										
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l										
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l										
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l										
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l										
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l										
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l										
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l										
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l										
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l										
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l										
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l										
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l										
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l										
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l										
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l										
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l										
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l										
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l										
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l										
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l										
TRG	8270E	Acetophenone	98-86-2	NA	ug/l										
TRG	8270E	Aniline	62-53-3	NA	ug/l										
TRG	8270E	Anthracene	120-12-7	NA	ug/l										
TRG	8270E	Atrazine	1912-24-9	NA	ug/l										
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l										
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l										
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l										
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l										
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l										
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l										
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l										
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l										
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l										
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l										
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l										
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l										
TRG	8270E	Caprolactam	105-60-2	NA	ug/l										
TRG	8270E	Carbazole	86-74-8	NA	ug/l										
TRG	8270E	Chrysene	218-01-9	NA	ug/l										
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l										

						Location ID	PINEAVE-017-09		PINEAVE-017-10	PINEAVE-023-004	MW-07	
						Sample ID	WQ		WQ	WQ	PINE AVE-021-002	
						Matrix	L2423373-08		24D3282-10	24F0110-04	WG	
						Lab Sample ID	24D3282		24D3282	24F0110	24E2164-02	
						SDG	4/25/2024		4/25/2024	5/31/2024	24E2164	
						Sample Date	EB		FB	TB	5/15/2024	
						Sample Type Code					N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit							
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l							
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l							
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l							
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l							
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l							
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l							
TRG	8270E	Fluorene	86-73-7	NA	ug/l							
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l							
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l							
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l							
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l							
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l							
TRG	8270E	Isophorone	78-59-1	NA	ug/l							
TRG	8270E	Naphthalene	91-20-3	NA	ug/l							
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l							
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l							
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l							
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l							
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l							
TRG	8270E	Phenol	108-95-2	NA	ug/l							
TRG	8270E	Pyrene	129-00-0	NA	ug/l							
TRG	8270E	Pyridine	110-86-1	NA	ug/l							
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l			3.8	U			
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l			3.8	U			
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l			3.8	U			
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l			3.8	U			
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l			9.6	U			
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l			9.6	U			
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l			48	U			
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l			48	U			
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l			9.6	U			
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l			3.8	U			
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l			3.8	U			
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l			3.8	U			
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l			0.96	U			
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l			0.96	U			
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l			0.96	U			
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l			0.96	U			
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l			1.9	U			
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l			1.9	U			
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l			1.9	U			
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l			1.9	U			
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l			0.96	U			
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l			3.8	U			
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l			0.96	U			
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l			0.96	U			
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l			0.96	U			

						Location ID	PINEAVE-017-09		PINEAVE-017-10	PINEAVE-023-004	MW-07	
						Sample ID	WQ		WQ	WQ	PINE AVE-021-002	
						Matrix	L2423373-08		24D3282-10	24F0110-04	WG	
						Lab Sample ID	24D3282		24D3282	24F0110	24E2164-02	
						SDG	4/25/2024		4/25/2024	5/31/2024	24E2164	
						Sample Date	EB		FB	TB	5/15/2024	
						Sample Type Code					N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit							
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l				0.96 U			
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l				0.96 U			
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l				0.96 U			
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l				0.96 U			
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l				0.96 U			
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l				0.96 U			
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l				0.96 U			
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l				0.96 U			
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l				0.96 U			
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l				0.96 U			
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l				0.96 U			
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l				1.9 U			
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l				0.96 U			
TRG	E1633	Perfluorotridecanoic Acid (PFTrIA/PFTrDA)	72629-94-8	T	ng/l				0.96 U			
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l				0.96 U			
TRG	E1633	Total Suspended Solids	TSS	T	mg/l				10 U			
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l						500	
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l						0.1 U	
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l						0.1 U	
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l						0.1 U	
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l						480	
TRG	RSK175	Ethane	74-84-0	T	mg/l						0.014 U	
TRG	RSK175	Ethene	74-85-1	T	mg/l						0.017 U	
TRG	RSK175	Methane	74-82-8	T	mg/l						0.077	
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l						3.3	
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l							
TRG	SW6010D	Antimony	7440-36-0	T	mg/l							
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l							
TRG	SW6010D	Barium	7440-39-3	T	mg/l							
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l							
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l							
TRG	SW6010D	Calcium	7440-70-2	T	mg/l							
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l							
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l							
TRG	SW6010D	Copper	7440-50-8	T	mg/l							
TRG	SW6010D	Iron	7439-89-6	T	mg/l							
TRG	SW6010D	Lead	7439-92-1	T	mg/l							
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l							
TRG	SW6010D	Manganese	7439-96-5	D	mg/l						0.09	
TRG	SW6010D	Manganese	7439-96-5	T	mg/l						0.088	
TRG	SW6010D	Nickel	7440-02-0	T	mg/l							
TRG	SW6010D	Potassium	7440-09-7	T	mg/l							
TRG	SW6010D	Selenium	7782-49-2	T	mg/l							
TRG	SW6010D	Silver	7440-22-4	T	mg/l							
TRG	SW6010D	Sodium	7440-23-5	T	mg/l							
TRG	SW6010D	Thallium	7440-28-0	T	mg/l							
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l							

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code						PINEAVE-017-09 WQ L2423373-08 24D3282 4/25/2024 EB		PINEAVE-017-10 WQ 24D3282-10 24D3282 4/25/2024 FB		PINEAVE-023-004 WQ 24F0110-04 24F0110 5/31/2024 TB		MW-07 PINE AVE-021-002 WG 24E2164-02 24E2164 5/15/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit								
TRG	SW6010D	Zinc	7440-66-6	T	mg/l								
TRG	SW7470A	Mercury	7439-97-6	T	mg/l								
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l	10	U						
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l	10	U						
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l	2	U						
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l	20	U						
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l	1	U						
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l	10	U						
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l	5	U						
TRG	SW8151A	MCPA	94-74-6	NA	ug/l	500	U						
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l	500	U						
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l	2	U						
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l								
TRG	SW9014	Cyanide	57-12-5	T	mg/l								

						Location ID	MW-07	MW-07	MW-08	MW-08
						Sample ID	PINEAVE-017-07	PINEAVE-017-07	PINE AVE-021-007	PINEAVE-017-05
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24D3282-07	L2423373-07	24E2164-07	24D3282-05
						SDG	24D3282	24D3282	24E2164	24D3282
						Sample Date	4/25/2024	4/25/2024	5/15/2024	4/25/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l					
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l				2 U	
TRG	8081B	Aldrin	309-00-2	NA	ug/l	0.05 U				0.051 U
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l	0.05 U				0.051 U
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l	0.05 U				0.051 U
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l	0.05 U				0.051 U
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l	0.08 U				0.082 U
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l	0.05 U				0.051 U
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l	0.05 U				0.051 U
TRG	8081B	Dieldrin	60-57-1	NA	ug/l	0.002 U				0.002 U
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l	0.08 U				0.082 U
TRG	8081B	Endrin	72-20-8	NA	ug/l	0.08 U				0.082 U
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l	0.08 U				0.082 U
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l	0.08 U				0.082 U
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l	0.03 U				0.031 U
TRG	8081B	Heptachlor	76-44-8	NA	ug/l	0.05 U				0.051 U
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l	0.05 U				0.051 U
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l	0.5 U				0.51 U
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l	0.04 U				0.041 U
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l	0.04 U				0.041 U
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l	0.04 U				0.041 U
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l	1 U				1 U
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l	0.05 U				0.051 U
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l	0.2 U				0.2 U
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l	0.2 U				0.2 U
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l	0.2 U				0.2 U
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l	0.2 U				0.2 U
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l	0.2 U				0.2 U
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l	0.2 U				0.2 U
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l	0.2 U				0.2 U
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l	0.2 U				0.2 U
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l	0.2 U				0.2 U
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l	1 U				1 U
TRG	8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	ug/l	0.5 U				0.5 U
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l	1 U				1 U
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l	1 U				1 U
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l	1 U				1 U
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l	1 U				1 U
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l	5 U				5 U
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l	2 U				2 U
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	1 U				1 U
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l	1 U				1 U
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l	5 U				5 U
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l	0.5 U				0.5 U
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l	1 U				1 U
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l	1 U				1 U
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l	1 U				1 U

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-07 PINEAVE-017-07 WG 24D3282-07 24D3282 4/25/2024 N	MW-07 PINEAVE-017-07 WG L2423373-07 24D3282 4/25/2024 N	MW-08 PINE AVE-021-007 WG 24E2164-07 24E2164 5/15/2024 N	MW-08 PINEAVE-017-05 WG 24D3282-05 24D3282 4/25/2024 N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l	1 U				1 U
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l	1 U				1 U
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l	1 U				1 U
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l	10 U				10 U
TRG	8260D	Acetone	67-64-1	NA	ug/l	50 U				50 U
TRG	8260D	Benzene	71-43-2	NA	ug/l	1 U				0.18 J
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l	1 U				1 U
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l	0.5 U				0.5 U
TRG	8260D	Bromoform	75-25-2	NA	ug/l	1 U				1 U
TRG	8260D	Bromomethane	74-83-9	NA	ug/l	2 U				2 U
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l	5 UJ				5 UJ
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l	5 U				5 U
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l	0.21 J				1 U
TRG	8260D	Chloroethane	75-00-3	NA	ug/l	2 U				2 U
TRG	8260D	Chloroform	67-66-3	NA	ug/l	2 U				2 U
TRG	8260D	Chloromethane	74-87-3	NA	ug/l	2 UJ				2 UJ
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l	11				41
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l	0.5 U				0.5 U
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l	5 U				5 U
TRG	8260D	Cymene	99-87-6	NA	ug/l	1 U				1 U
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l	0.5 U				0.5 U
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l	2 U				2 U
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l	1 U				1 U
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l	1 U				1 U
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l	2 U				2 U
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l	1 U				1 U
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l	20 U				20 U
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l	10 U				10 U
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l	1 U				1 U
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l	5 UJ				5 UJ
TRG	8260D	Naphthalene	91-20-3	NA	ug/l	2 U				2 U
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l	1 U				1 U
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l	1 U				1 U
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l	1 U				1 U
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l	1 U				1 U
TRG	8260D	Styrene	100-42-5	NA	ug/l	1 U				1 U
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l	1 U				1 U
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l	1 U				1 U
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l	3.8				5.8
TRG	8260D	Toluene	108-88-3	NA	ug/l	1 U				1 U
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l	1 U				0.52 J
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l	0.5 U				0.5 U
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l	2.1				7.3
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l	2 U				2 U
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l	7.2				1.7 J
TRG	8260D	Xylenes	1330-20-7	NA	ug/l	1 U				1 U
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l	11 U				10 U

					Location ID	MW-07	MW-07	MW-08	MW-08
					Sample ID	PINEAVE-017-07	PINEAVE-017-07	PINE AVE-021-007	PINEAVE-017-05
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24D3282-07	L2423373-07	24E2164-07	24D3282-05
					SDG	24D3282	24D3282	24E2164	24D3282
					Sample Date	4/25/2024	4/25/2024	5/15/2024	4/25/2024
					Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l	5.5 U			5.2 U
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l	22 UJ			21 UJ
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l	11 U			10 U
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l	11 U			10 U
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l	11 U			10 U
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l	11 U			10 U
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l	11 UJ			10 UJ
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l	11 U			10 U
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l	11 U			10 U
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l	11 U			10 U
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l	11 U			10 U
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l	5.5 U			5.2 U
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l	11 U			10 U
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l	11 U			10 U
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l	11 U			10 U
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l	11 U			10 U
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l	11 U			10 U
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l	11 U			10 U
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l	22 U			21 U
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l	11 U			10 U
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l	11 U			10 U
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l	11 U			10 U
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l	11 U			10 U
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l	11 U			10 U
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l	11 U			10 U
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Acetophenone	98-86-2	NA	ug/l	11 U			10 U
TRG	8270E	Aniline	62-53-3	NA	ug/l	22 UJ			21 UJ
TRG	8270E	Anthracene	120-12-7	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Atrazine	1912-24-9	NA	ug/l	22 U			21 U
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l	11 U			10 U
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l	11 U			10 U
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l	22 U			21 U
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l	11 U			10 U
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l	11 U			10 U
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l	11 U			10 U
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l	11 U			10 U
TRG	8270E	Caprolactam	105-60-2	NA	ug/l	11 UJ			10 UJ
TRG	8270E	Carbazole	86-74-8	NA	ug/l	11 U			10 U
TRG	8270E	Chrysene	218-01-9	NA	ug/l	5.5 U			5.2 U
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l	5.5 U			5.2 U

						Location ID	MW-07	MW-07	MW-08	MW-08
						Sample ID	PINEAVE-017-07	PINEAVE-017-07	PINE AVE-021-007	PINEAVE-017-05
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24D3282-07	L2423373-07	24E2164-07	24D3282-05
						SDG	24D3282	24D3282	24E2164	24D3282
						Sample Date	4/25/2024	4/25/2024	5/15/2024	4/25/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l	5.5	U			5.2
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l	11	U			10
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l	11	U			10
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l	11	U			10
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l	11	UJ			10
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l	5.5	U			5.2
TRG	8270E	Fluorene	86-73-7	NA	ug/l	5.5	U			5.2
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l	11	U			10
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l	11	UJ			10
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l	11	UJ			10
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l	11	UJ			10
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l	5.5	U			5.2
TRG	8270E	Isophorone	78-59-1	NA	ug/l	11	U			10
TRG	8270E	Naphthalene	91-20-3	NA	ug/l	5.5	U			5.2
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l	11	U			10
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l	11	U			10
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l	11	U			10
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l	11	U			10
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l	5.5	U			5.2
TRG	8270E	Phenol	108-95-2	NA	ug/l	11	U			10
TRG	8270E	Pyrene	129-00-0	NA	ug/l	5.5	U			5.2
TRG	8270E	Pyridine	110-86-1	NA	ug/l	22	U			21
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l	4.1	U			4.1
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l	4.1	U			4.1
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l	4.1	U			4.1
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l	4.1	U			4.1
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l	10	U			10
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l	10	U			10
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l	52	U			51
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l	52	U			51
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l	10	U			10
TRG	E1633	4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l	4.1	U			4.1
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l	4.1	U			4.1
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l	4.1	U			4.1
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l	1	U			1
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l	1	U			1
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l	1	U			1
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l	1	U			1
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l	2.1	U			2.1
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l	2.1	U			2.1
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l	2.1	U			2.1
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l	2.1	U			2.1
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l	2.5				11
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l	7.3				7.2
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l	1	U			1
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l	0.64	J			0.41
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l	1	U			1

					Location ID	MW-07	MW-07	MW-08	MW-08
					Sample ID	PINEAVE-017-07	PINEAVE-017-07	PINE AVE-021-007	PINEAVE-017-05
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24D3282-07	L2423373-07	24E2164-07	24D3282-05
					SDG	24D3282	24D3282	24E2164	24D3282
					Sample Date	4/25/2024	4/25/2024	5/15/2024	4/25/2024
					Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l	1 U			1 U
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l	1 U			1 U
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l	3.2			2.3
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l	0.97 J			1.5
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l	7.3			5.7
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l	1 U			1 U
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l	0.76 J			0.71 J
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l	1 U			1 U
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l	2.4			2.5
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l	7.2			7
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l	1 U			1 U
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l	10			8
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l	1 U			1 U
TRG	E1633	Perfluorotridecanoic Acid (PFTrIA/PFTrDA)	72629-94-8	T	ng/l	1 U			1 U
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l	1 U			1 U
TRG	E1633	Total Suspended Solids	TSS	T	mg/l	14			10 U
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l			310	
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l			0.1 U	
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l			0.1 U	
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l			0.1 U	
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l			250	
TRG	RSK175	Ethane	74-84-0	T	mg/l			0.014 U	
TRG	RSK175	Ethene	74-85-1	T	mg/l			0.017 U	
TRG	RSK175	Methane	74-82-8	T	mg/l			0.087	
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l			3.2	
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l	0.05 U			0.05 U
TRG	SW6010D	Antimony	7440-36-0	T	mg/l	0.05 U			0.05 U
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l	0.01 U			0.01 U
TRG	SW6010D	Barium	7440-39-3	T	mg/l	0.07			0.064
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l	0.004 U			0.004 U
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l	0.004 U			0.004 U
TRG	SW6010D	Calcium	7440-70-2	T	mg/l	210			120
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l	0.01 U			0.01 U
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l	0.01 U			0.01 U
TRG	SW6010D	Copper	7440-50-8	T	mg/l	0.01 U			0.01 U
TRG	SW6010D	Iron	7439-89-6	T	mg/l	1.8			0.044 J
TRG	SW6010D	Lead	7439-92-1	T	mg/l	0.01 U			0.01 U
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l	90			50
TRG	SW6010D	Manganese	7439-96-5	D	mg/l	0.09		0.071	0.047
TRG	SW6010D	Manganese	7439-96-5	T	mg/l	0.089		0.07	0.047
TRG	SW6010D	Nickel	7440-02-0	T	mg/l	0.0048 J			0.0048 J
TRG	SW6010D	Potassium	7440-09-7	T	mg/l	4			2.8
TRG	SW6010D	Selenium	7782-49-2	T	mg/l	0.05 U			0.05 U
TRG	SW6010D	Silver	7440-22-4	T	mg/l	0.01 U			0.01 U
TRG	SW6010D	Sodium	7440-23-5	T	mg/l	250			110
TRG	SW6010D	Thallium	7440-28-0	T	mg/l	0.05 U			0.05 U
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l	0.006 J			0.01 U

					Location ID	MW-07		MW-07		MW-08		MW-08	
					Sample ID	PINEAVE-017-07		PINEAVE-017-07		PINE AVE-021-007		PINEAVE-017-05	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24D3282-07		L2423373-07		24E2164-07		24D3282-05	
					SDG	24D3282		24D3282		24E2164		24D3282	
					Sample Date	4/25/2024		4/25/2024		5/15/2024		4/25/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TRG	SW6010D	Zinc	7440-66-6	T	mg/l	0.01	U					0.17	
TRG	SW7470A	Mercury	7439-97-6	T	mg/l	0.0002	U					0.0002	U
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l			10	U				
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l			10	U				
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l			2	U				
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l			20	U				
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l			1	U				
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l			10	U				
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l			5	U				
TRG	SW8151A	MCPA	94-74-6	NA	ug/l			500	U				
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l			500	U				
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l			2	U				
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l	0.19	J					0.11	J
TRG	SW9014	Cyanide	57-12-5	T	mg/l	0.01	U					0.01	U

					Location ID	MW-08		MW-09		MW-09		MW-09	
					Sample ID	PINEAVE-017-05		PINE AVE-021-005		PINEAVE-017-06		PINEAVE-017-06	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	L2423373-05		24E2164-05		24D3282-06		L2423373-06	
					SDG	24D3282		24E2164		24D3282		24D3282	
					Sample Date	4/25/2024		5/15/2024		4/25/2024		4/25/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l								
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l			2	U				
TRG	8081B	Aldrin	309-00-2	NA	ug/l					0.051	U		
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l					0.051	U		
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l					0.051	U		
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l					0.051	U		
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l					0.082	U		
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l					0.051	U		
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l					0.051	U		
TRG	8081B	Dieldrin	60-57-1	NA	ug/l					0.002	U		
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l					0.082	U		
TRG	8081B	Endrin	72-20-8	NA	ug/l					0.082	U		
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l					0.082	U		
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l					0.082	U		
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l					0.031	U		
TRG	8081B	Heptachlor	76-44-8	NA	ug/l					0.051	U		
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l					0.051	U		
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l					0.51	U		
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l					0.041	U		
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l					0.041	U		
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l					0.041	U		
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l					1	U		
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l					0.051	U		
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l					0.2	U		
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l					0.2	U		
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l					0.2	U		
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l					0.2	U		
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l					0.2	U		
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l					0.2	U		
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l					0.2	U		
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l					0.2	U		
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l					0.2	U		
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l					1	U		
TRG	8260D	1,1,1,2-Tetrachloroethane	79-34-5	NA	ug/l					0.5	U		
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l					1	U		
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l					1	U		
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l					1	U		
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l					1	U		
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l					5	U		
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l					2	U		
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l					1	U		
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l					1	U		
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l					5	U		
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l					0.5	U		
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l					1	U		
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l					0.59	J		
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l					1	U		

						Location ID	MW-08	MW-09	MW-09	MW-09
						Sample ID	PINEAVE-017-05	PINE AVE-021-005	PINEAVE-017-06	PINEAVE-017-06
						Matrix	WG	WG	WG	WG
						Lab Sample ID	L2423373-05	24E2164-05	24D3282-06	L2423373-06
						SDG	24D3282	24E2164	24D3282	24D3282
						Sample Date	4/25/2024	5/15/2024	4/25/2024	4/25/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l				1 U	
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l				1 U	
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l				1 U	
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l				10 U	
TRG	8260D	Acetone	67-64-1	NA	ug/l				50 U	
TRG	8260D	Benzene	71-43-2	NA	ug/l				1 U	
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l				1 U	
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l				0.5 U	
TRG	8260D	Bromoform	75-25-2	NA	ug/l				1 U	
TRG	8260D	Bromomethane	74-83-9	NA	ug/l				2 U	
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l				5 UJ	
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l				5 U	
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l				1 U	
TRG	8260D	Chloroethane	75-00-3	NA	ug/l				2 U	
TRG	8260D	Chloroform	67-66-3	NA	ug/l				2 U	
TRG	8260D	Chloromethane	74-87-3	NA	ug/l				2 UJ	
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l				9.6	
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l				0.5 U	
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l				5 U	
TRG	8260D	Cymene	99-87-6	NA	ug/l				1 U	
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l				0.5 U	
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l				2 U	
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l				1 U	
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l				1 U	
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l				2 U	
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l				1 U	
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l				20 U	
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l				10 U	
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l				1 U	
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l				5 UJ	
TRG	8260D	Naphthalene	91-20-3	NA	ug/l				2 U	
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l				1 U	
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l				1 U	
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l				1 U	
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l				1 U	
TRG	8260D	Styrene	100-42-5	NA	ug/l				1 U	
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l				1 U	
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l				0.2 J	
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l				5.9	
TRG	8260D	Toluene	108-88-3	NA	ug/l				1 U	
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l				0.18 J	
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l				0.5 U	
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l				6.5	
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l				2 U	
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l				0.32 J	
TRG	8260D	Xylenes	1330-20-7	NA	ug/l				1 U	
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l				11 U	

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-08 PINEAVE-017-05 WG L2423373-05 24D3282 4/25/2024 N		MW-09 PINE AVE-021-005 WG 24E2164-05 24E2164 5/15/2024 N		MW-09 PINEAVE-017-06 WG 24D3282-06 24D3282 4/25/2024 N		MW-09 PINEAVE-017-06 WG L2423373-06 24D3282 4/25/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l							5.4	U		
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l							22	UJ		
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l							11	U		
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l							11	U		
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l							11	U		
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l							11	U		
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l							11	UJ		
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l							11	U		
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l							11	U		
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l							11	U		
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l							11	U		
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l							5.4	U		
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l							11	U		
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l							11	U		
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l							11	U		
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l							11	U		
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l							11	U		
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l							11	U		
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l							22	U		
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l							11	U		
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l							11	U		
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l							11	U		
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l							11	U		
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l							11	U		
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l							11	U		
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l							5.4	U		
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l							5.4	U		
TRG	8270E	Acetophenone	98-86-2	NA	ug/l							11	U		
TRG	8270E	Aniline	62-53-3	NA	ug/l							22	UJ		
TRG	8270E	Anthracene	120-12-7	NA	ug/l							5.4	U		
TRG	8270E	Atrazine	1912-24-9	NA	ug/l							22	U		
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l							11	U		
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l							5.4	U		
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l							5.4	U		
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l							5.4	U		
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l							5.4	U		
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l							5.4	U		
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l							11	U		
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l							22	U		
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l							11	U		
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l							11	U		
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l							11	U		
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l							11	U		
TRG	8270E	Caprolactam	105-60-2	NA	ug/l							11	UJ		
TRG	8270E	Carbazole	86-74-8	NA	ug/l							11	U		
TRG	8270E	Chrysene	218-01-9	NA	ug/l							5.4	U		
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l							5.4	U		

						Location ID	MW-08	MW-09	MW-09	MW-09
						Sample ID	PINEAVE-017-05	PINE AVE-021-005	PINEAVE-017-06	PINEAVE-017-06
						Matrix	WG	WG	WG	WG
						Lab Sample ID	L2423373-05	24E2164-05	24D3282-06	L2423373-06
						SDG	24D3282	24E2164	24D3282	24D3282
						Sample Date	4/25/2024	5/15/2024	4/25/2024	4/25/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l				5.4 U	
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l				11 U	
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l				11 U	
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l				11 U	
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l				11 UJ	
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l				5.4 U	
TRG	8270E	Fluorene	86-73-7	NA	ug/l				5.4 U	
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l				11 U	
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l				11 UJ	
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l				11 UJ	
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l				11 UJ	
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l				5.4 U	
TRG	8270E	Isophorone	78-59-1	NA	ug/l				11 U	
TRG	8270E	Naphthalene	91-20-3	NA	ug/l				5.4 U	
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l				11 U	
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l				11 U	
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l				11 U	
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l				11 U	
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l				5.4 U	
TRG	8270E	Phenol	108-95-2	NA	ug/l				11 U	
TRG	8270E	Pyrene	129-00-0	NA	ug/l				5.4 U	
TRG	8270E	Pyridine	110-86-1	NA	ug/l				22 U	
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l				4.1 U	
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l				4.1 U	
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l				4.1 U	
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l				4.1 U	
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l				10 U	
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l				10 U	
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l				51 U	
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l				51 U	
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l				10 U	
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l				4.1 U	
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l				4.1 U	
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l				4.1 U	
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l				1 U	
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l				1 U	
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l				1 U	
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l				1 U	
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l				2 U	
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l				2 U	
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l				2 U	
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l				2 U	
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l				6.2	
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l				7.9	
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l				1 U	
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l				0.29 J	
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l				1 U	

					Location ID	MW-08		MW-09		MW-09		MW-09	
					Sample ID	PINEAVE-017-05		PINE AVE-021-005		PINEAVE-017-06		PINEAVE-017-06	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	L2423373-05		24E2164-05		24D3282-06		24D3282-06	
					SDG	24D3282		24E2164		24D3282		24D3282	
					Sample Date	4/25/2024		5/15/2024		4/25/2024		4/25/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l						1 U		
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l						1 U		
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l						2.4		
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l						1.5		
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l						4.6		
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l						1 U		
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l						1.2		
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l						1 U		
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l						2.1		
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l						7.3		
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l						0.39 J		
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l						5.6		
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l						1 U		
TRG	E1633	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	T	ng/l						1 U		
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l						1 U		
TRG	E1633	Total Suspended Solids	TSS	T	mg/l						10 U		
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l				150				
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l				0.1 U				
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l				0.1 U				
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l				0.1 U				
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l				100				
TRG	RSK175	Ethane	74-84-0	T	mg/l				0.014 U				
TRG	RSK175	Ethene	74-85-1	T	mg/l				0.017 U				
TRG	RSK175	Methane	74-82-8	T	mg/l				0.014				
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l				2.8				
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l						0.05 U		
TRG	SW6010D	Antimony	7440-36-0	T	mg/l						0.05 U		
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l						0.01 U		
TRG	SW6010D	Barium	7440-39-3	T	mg/l						0.055		
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l						0.004 U		
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l						0.004 U		
TRG	SW6010D	Calcium	7440-70-2	T	mg/l						110		
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l						0.01 U		
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l						0.01 U		
TRG	SW6010D	Copper	7440-50-8	T	mg/l						0.01 U		
TRG	SW6010D	Iron	7439-89-6	T	mg/l						0.16		
TRG	SW6010D	Lead	7439-92-1	T	mg/l						0.01 U		
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l						41		
TRG	SW6010D	Manganese	7439-96-5	D	mg/l				0.15		0.11		
TRG	SW6010D	Manganese	7439-96-5	T	mg/l				0.19		0.13		
TRG	SW6010D	Nickel	7440-02-0	T	mg/l						0.0055 J		
TRG	SW6010D	Potassium	7440-09-7	T	mg/l						2.6		
TRG	SW6010D	Selenium	7782-49-2	T	mg/l						0.05 U		
TRG	SW6010D	Silver	7440-22-4	T	mg/l						0.01 U		
TRG	SW6010D	Sodium	7440-23-5	T	mg/l						77		
TRG	SW6010D	Thallium	7440-28-0	T	mg/l						0.05 U		
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l						0.01 U		

					Location ID	MW-08	MW-09	MW-09	MW-09
					Sample ID	PINEAVE-017-05	PINE AVE-021-005	PINEAVE-017-06	PINEAVE-017-06
					Matrix	WG	WG	WG	WG
					Lab Sample ID	L2423373-05	24E2164-05	24D3282-06	L2423373-06
					SDG	24D3282	24E2164	24D3282	24D3282
					Sample Date	4/25/2024	5/15/2024	4/25/2024	4/25/2024
					Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
TRG	SW6010D	Zinc	7440-66-6	T	mg/l			0.23	
TRG	SW7470A	Mercury	7439-97-6	T	mg/l			0.0002 U	
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l	10 U			10 U
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l	10 U			10 U
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l	2 U			2 U
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l	20 U			20 U
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l	1 U			1 U
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l	10 U			10 U
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l	5 U			5 U
TRG	SW8151A	MCPA	94-74-6	NA	ug/l	500 U			500 U
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l	500 U			500 U
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l	2 U			2 U
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l			0.089 J	
TRG	SW9014	Cyanide	57-12-5	T	mg/l			0.01 U	

					Location ID	MW-10		MW-10		MW-10		MW-11	
					Sample ID	PINE AVE-021-003		PINEAVE-017-01		PINEAVE-017-01		PINE AVE-021-004	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24E2164-03		24D3282-01		L2423373-01		24E2164-04	
					SDG	24E2164		24D3282		24D3282		24E2164	
					Sample Date	5/15/2024		4/25/2024		4/25/2024		5/15/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l								
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l	2 U						2 U	
TRG	8081B	Aldrin	309-00-2	NA	ug/l			0.052 U					
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l			0.052 U					
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l			0.052 U					
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l			0.052 U					
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l			0.084 U					
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l			0.052 U					
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l			0.052 U					
TRG	8081B	Dieldrin	60-57-1	NA	ug/l			0.0021 U					
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l			0.084 U					
TRG	8081B	Endrin	72-20-8	NA	ug/l			0.084 U					
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l			0.084 U					
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l			0.084 U					
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l			0.031 U					
TRG	8081B	Heptachlor	76-44-8	NA	ug/l			0.052 U					
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l			0.052 U					
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l			0.52 U					
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l			0.042 U					
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l			0.042 U					
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l			0.042 U					
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l			1 U					
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l			0.052 U					
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l			0.21 U					
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l			0.21 U					
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l			0.21 U					
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l			0.21 U					
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l			0.21 U					
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l			0.21 U					
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l			0.21 U					
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l			0.21 U					
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l			0.21 U					
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l			1 U					
TRG	8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	ug/l			0.5 U					
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l			1 U					
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l			1 U					
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l			1 U					
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l			1 U					
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l			5 U					
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l			2 U					
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l			1 U					
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l			1 U					
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l			5 U					
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l			0.5 U					
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l			1 U					
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l			1 U					
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l			1 U					

						Location ID	MW-10	MW-10	MW-10	MW-11
						Sample ID	PINE AVE-021-003	PINEAVE-017-01	PINEAVE-017-01	PINE AVE-021-004
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24E2164-03	24D3282-01	L2423373-01	24E2164-04
						SDG	24E2164	24D3282	24D3282	24E2164
						Sample Date	5/15/2024	4/25/2024	4/25/2024	5/15/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l			1 U		
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l			1 U		
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l			1 U		
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l			10 U		
TRG	8260D	Acetone	67-64-1	NA	ug/l			50 U		
TRG	8260D	Benzene	71-43-2	NA	ug/l			1 U		
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l			1 U		
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l			0.5 U		
TRG	8260D	Bromoform	75-25-2	NA	ug/l			1 U		
TRG	8260D	Bromomethane	74-83-9	NA	ug/l			2 U		
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l			5 UJ		
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l			5 U		
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l			1 U		
TRG	8260D	Chloroethane	75-00-3	NA	ug/l			2 U		
TRG	8260D	Chloroform	67-66-3	NA	ug/l			2 U		
TRG	8260D	Chloromethane	74-87-3	NA	ug/l			2 UJ		
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l			16		
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l			0.5 U		
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l			5 U		
TRG	8260D	Cymene	99-87-6	NA	ug/l			1 U		
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l			0.5 U		
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l			2 U		
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l			1 U		
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l			1 U		
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l			2 U		
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l			1 U		
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l			20 U		
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l			10 U		
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l			1 U		
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l			5 UJ		
TRG	8260D	Naphthalene	91-20-3	NA	ug/l			2 U		
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l			1 U		
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l			1 U		
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l			1 U		
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l			1 U		
TRG	8260D	Styrene	100-42-5	NA	ug/l			1 U		
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l			1 U		
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l			1 U		
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l			0.44 J		
TRG	8260D	Toluene	108-88-3	NA	ug/l			1 U		
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l			0.19 J		
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l			0.5 U		
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l			0.91 J		
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l			2 U		
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l			6.8		
TRG	8260D	Xylenes	1330-20-7	NA	ug/l			1 U		
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l			9.5 U		

						Location ID	MW-10	MW-10	MW-10	MW-11
						Sample ID	PINE AVE-021-003	PINEAVE-017-01	PINEAVE-017-01	PINE AVE-021-004
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24E2164-03	24D3282-01	L2423373-01	24E2164-04
						SDG	24E2164	24D3282	24D3282	24E2164
						Sample Date	5/15/2024	4/25/2024	4/25/2024	5/15/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l			4.8 U		
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l			19 UJ		
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l			9.5 U		
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l			9.5 U		
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l			9.5 U		
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l			9.5 U		
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l			9.5 UJ		
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l			9.5 U		
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l			9.5 U		
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l			9.5 U		
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l			9.5 U		
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l			4.8 U		
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l			9.5 U		
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l			9.5 U		
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l			9.5 U		
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l			9.5 U		
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l			9.5 U		
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l			9.5 U		
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l			19 U		
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l			9.5 U		
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l			9.5 U		
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l			9.5 U		
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l			9.5 U		
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l			9.5 U		
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l			9.5 U		
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l			4.8 U		
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l			4.8 U		
TRG	8270E	Acetophenone	98-86-2	NA	ug/l			9.5 U		
TRG	8270E	Aniline	62-53-3	NA	ug/l			19 UJ		
TRG	8270E	Anthracene	120-12-7	NA	ug/l			4.8 U		
TRG	8270E	Atrazine	1912-24-9	NA	ug/l			19 U		
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l			9.5 U		
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l			4.8 U		
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l			4.8 U		
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l			4.8 U		
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l			4.8 U		
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l			4.8 U		
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l			9.5 U		
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l			19 U		
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l			9.5 U		
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l			9.5 U		
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l			9.5 U		
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l			9.5 U		
TRG	8270E	Caprolactam	105-60-2	NA	ug/l			9.5 UJ		
TRG	8270E	Carbazole	86-74-8	NA	ug/l			9.5 U		
TRG	8270E	Chrysene	218-01-9	NA	ug/l			4.8 U		
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l			4.8 U		

					Location ID	MW-10		MW-10		MW-10		MW-11	
					Sample ID	PINE AVE-021-003		PINEAVE-017-01		PINEAVE-017-01		PINE AVE-021-004	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24E2164-03		24D3282-01		L2423373-01		24E2164-04	
					SDG	24E2164		24D3282		24D3282		24E2164	
					Sample Date	5/15/2024		4/25/2024		4/25/2024		5/15/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l					4.8	U		
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l					9.5	U		
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l					9.5	U		
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l					9.5	U		
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l					9.5	UJ		
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l					4.8	U		
TRG	8270E	Fluorene	86-73-7	NA	ug/l					4.8	U		
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l					9.5	U		
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l					9.5	UJ		
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l					9.5	UJ		
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l					9.5	UJ		
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l					4.8	U		
TRG	8270E	Isophorone	78-59-1	NA	ug/l					9.5	U		
TRG	8270E	Naphthalene	91-20-3	NA	ug/l					4.8	U		
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l					9.5	U		
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l					9.5	U		
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l					9.5	U		
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l					9.5	U		
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l					4.8	U		
TRG	8270E	Phenol	108-95-2	NA	ug/l					9.5	U		
TRG	8270E	Pyrene	129-00-0	NA	ug/l					4.8	U		
TRG	8270E	Pyridine	110-86-1	NA	ug/l					19	UJ		
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l					3.9	U		
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l					3.9	U		
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l					3.9	U		
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l					3.9	U		
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l					9.7	U		
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l					9.7	U		
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l					49	U		
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l					49	U		
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l					9.7	U		
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l					3.9	U		
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l					3.9	U		
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l					3.9	U		
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l					0.97	U		
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l					0.97	U		
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l					0.97	U		
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l					0.97	U		
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l					1.9	U		
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l					1.9	U		
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l					1.9	U		
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l					1.9	U		
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l					3.7			
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l					6.1			
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l					0.97	U		
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l					0.52	J		
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l					0.97	U		

					Location ID	MW-10	MW-10	MW-10	MW-11
					Sample ID	PINE AVE-021-003	PINEAVE-017-01	PINEAVE-017-01	PINE AVE-021-004
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24E2164-03	24D3282-01	L2423373-01	24E2164-04
					SDG	24E2164	24D3282	24D3282	24E2164
					Sample Date	5/15/2024	4/25/2024	4/25/2024	5/15/2024
					Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l		0.97 U		
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l		0.97 U		
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l		3		
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l		1.1		
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l		6.5		
TRG	E1633	Perfluorononanesulfonic acid (PFNS)	68259-12-1	T	ng/l		0.97 U		
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l		0.54 J		
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l		0.97 U		
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l		2.3		
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l		6.5		
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l		0.97 U		
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l		9.6		
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l		0.97 U		
TRG	E1633	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	T	ng/l		0.97 U		
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l		0.97 U		
TRG	E1633	Total Suspended Solids	TSS	T	mg/l		10 U		
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l	410			480
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l	0.1 U			0.1 U
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l	0.1 U			0.1 U
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l	0.1 U			0.1 U
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l	580			420
TRG	RSK175	Ethane	74-84-0	T	mg/l	0.014 U			0.014 U
TRG	RSK175	Ethene	74-85-1	T	mg/l	0.017 U			0.017 U
TRG	RSK175	Methane	74-82-8	T	mg/l	0.1			0.2
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l	3.2			3.9
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l		0.05 U		
TRG	SW6010D	Antimony	7440-36-0	T	mg/l		0.05 U		
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l		0.01 U		
TRG	SW6010D	Barium	7440-39-3	T	mg/l		0.075		
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l		0.004 U		
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l		0.004 U		
TRG	SW6010D	Calcium	7440-70-2	T	mg/l		210		
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l		0.01 U		
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l		0.01 U		
TRG	SW6010D	Copper	7440-50-8	T	mg/l		0.01 U		
TRG	SW6010D	Iron	7439-89-6	T	mg/l		1.9		
TRG	SW6010D	Lead	7439-92-1	T	mg/l		0.01 U		
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l		95		
TRG	SW6010D	Manganese	7439-96-5	D	mg/l	0.092	0.093		0.096
TRG	SW6010D	Manganese	7439-96-5	T	mg/l	0.089	0.091		0.093
TRG	SW6010D	Nickel	7440-02-0	T	mg/l		0.01 U		
TRG	SW6010D	Potassium	7440-09-7	T	mg/l		4.1		
TRG	SW6010D	Selenium	7782-49-2	T	mg/l		0.05 U		
TRG	SW6010D	Silver	7440-22-4	T	mg/l		0.01 U		
TRG	SW6010D	Sodium	7440-23-5	T	mg/l		220		
TRG	SW6010D	Thallium	7440-28-0	T	mg/l		0.05 U		
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l		0.01 U		

					Location ID	MW-10	MW-10	MW-10	MW-11
					Sample ID	PINE AVE-021-003	PINEAVE-017-01	PINEAVE-017-01	PINE AVE-021-004
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24E2164-03	24D3282-01	L2423373-01	24E2164-04
					SDG	24E2164	24D3282	24D3282	24E2164
					Sample Date	5/15/2024	4/25/2024	4/25/2024	5/15/2024
					Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	SW6010D	Zinc	7440-66-6	T	mg/l		0.01 U		
TRG	SW7470A	Mercury	7439-97-6	T	mg/l		0.0002 U		
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l			10 U	
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l			10 U	
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l			2 U	
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l			20 U	
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l			1 U	
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l			10 U	
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l			5 U	
TRG	SW8151A	MCPA	94-74-6	NA	ug/l			500 U	
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l			500 U	
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l			2 U	
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l		0.2 J		
TRG	SW9014	Cyanide	57-12-5	T	mg/l		0.01 U		

					Location ID	MW-11	MW-11	MW-11	MW-11
					Sample ID	PINEAVE-017-02	PINEAVE-017-02	PINEAVE-017-03	PINEAVE-017-03
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24D3282-02	L2423373-02	24D3282-03	L2423373-03
					SDG	24D3282	24D3282	24D3282	24D3282
					Sample Date	4/25/2024	4/25/2024	4/25/2024	4/25/2024
					Sample Type Code	N	N	FD	FD
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l				
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l				
TRG	8081B	Aldrin	309-00-2	NA	ug/l	0.05 U		0.048 U	
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l	0.05 U		0.048 U	
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l	0.05 U		0.048 U	
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l	0.05 U		0.048 U	
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l	0.081 U		0.076 U	
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l	0.05 U		0.048 U	
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l	0.05 U		0.048 U	
TRG	8081B	Dieldrin	60-57-1	NA	ug/l	0.002 U		0.0019 U	
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l	0.081 U		0.076 U	
TRG	8081B	Endrin	72-20-8	NA	ug/l	0.081 U		0.076 U	
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l	0.081 U		0.076 U	
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l	0.081 U		0.076 U	
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l	0.03 U		0.029 U	
TRG	8081B	Heptachlor	76-44-8	NA	ug/l	0.05 U		0.048 U	
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l	0.05 U		0.048 U	
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l	0.5 U		0.48 U	
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l	0.04 U		0.038 U	
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l	0.04 U		0.038 U	
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l	0.04 U		0.038 U	
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l	1 U		0.95 U	
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l	0.05 U		0.048 U	
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l	0.2 U		0.19 U	
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l	0.2 U		0.19 U	
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l	0.2 U		0.19 U	
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l	0.2 U		0.19 U	
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l	0.2 U		0.19 U	
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l	0.2 U		0.19 U	
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l	0.2 U		0.19 U	
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l	0.2 U		0.19 U	
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l	0.2 U		0.19 U	
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l	1 U		1 U	
TRG	8260D	1,1,1,2-Tetrachloroethane	79-34-5	NA	ug/l	0.5 U		0.5 U	
TRG	8260D	1,1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l	1 U		1 U	
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l	1 U		1 U	
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l	1 U		1 U	
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l	1 U		1 U	
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l	5 U		5 U	
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l	2 U		2 U	
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	1 U		1 U	
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l	1 U		1 U	
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l	5 U		5 U	
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l	0.5 U		0.5 U	
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l	1 U		1 U	
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l	1 U		1 U	
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l	1 U		1 U	

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-11 PINEAVE-017-02 WG 24D3282-02 24D3282 4/25/2024 N	MW-11 PINEAVE-017-02 WG L2423373-02 24D3282 4/25/2024 N	MW-11 PINEAVE-017-03 WG 24D3282-03 24D3282 4/25/2024 FD	MW-11 PINEAVE-017-03 WG L2423373-03 24D3282 4/25/2024 FD
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l	1 U			1 U	
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l	1 U			1 U	
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l	1 U			0.17 J	
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l	10 U			10 U	
TRG	8260D	Acetone	67-64-1	NA	ug/l	50 U			50 U	
TRG	8260D	Benzene	71-43-2	NA	ug/l	1 U			1 U	
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l	1 U			1 U	
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l	0.5 U			0.5 U	
TRG	8260D	Bromoform	75-25-2	NA	ug/l	1 U			1 U	
TRG	8260D	Bromomethane	74-83-9	NA	ug/l	2 U			2 U	
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l	5 UJ			5 UJ	
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l	5 U			5 U	
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l	0.18 J			1 U	
TRG	8260D	Chloroethane	75-00-3	NA	ug/l	2 U			2 U	
TRG	8260D	Chloroform	67-66-3	NA	ug/l	2 U			2 U	
TRG	8260D	Chloromethane	74-87-3	NA	ug/l	2 UJ			2 UJ	
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l	10			9.8	
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l	0.5 U			0.5 U	
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l	5 U			5 U	
TRG	8260D	Cymene	99-87-6	NA	ug/l	1 U			1 U	
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l	0.5 U			0.5 U	
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l	2 U			2 U	
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l	1 U			1 U	
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l	1 U			1 U	
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l	2 U			2 U	
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l	1 U			1 U	
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l	20 U			20 U	
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l	10 U			10 U	
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l	1 U			1 U	
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l	5 UJ			5 UJ	
TRG	8260D	Naphthalene	91-20-3	NA	ug/l	2 U			2 U	
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l	1 U			1 U	
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l	1 U			1 U	
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l	1 U			1 U	
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l	1 U			1 U	
TRG	8260D	Styrene	100-42-5	NA	ug/l	1 U			1 U	
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l	1 U			1 U	
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l	1 U			1 U	
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l	0.4 J			0.42 J	
TRG	8260D	Toluene	108-88-3	NA	ug/l	1 U			1 U	
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l	1 U			1 U	
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l	0.5 U			0.5 U	
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l	0.85 J			0.83 J	
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l	2 U			2 U	
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l	4.8			4.9	
TRG	8260D	Xylenes	1330-20-7	NA	ug/l	1 U			1 U	
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l	9.8 U			9.8 U	

						Location ID	MW-11	MW-11	MW-11	MW-11
						Sample ID	PINEAVE-017-02	PINEAVE-017-02	PINEAVE-017-03	PINEAVE-017-03
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24D3282-02	L2423373-02	24D3282-03	L2423373-03
						SDG	24D3282	24D3282	24D3282	24D3282
						Sample Date	4/25/2024	4/25/2024	4/25/2024	4/25/2024
						Sample Type Code	N	N	FD	FD
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l	20 UJ			20 UJ	
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l	9.8 UJ			9.8 UJ	
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l	20 U			20 U	
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Acetophenone	98-86-2	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Aniline	62-53-3	NA	ug/l	20 UJ			20 UJ	
TRG	8270E	Anthracene	120-12-7	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Atrazine	1912-24-9	NA	ug/l	20 U			20 U	
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l	20 U			20 U	
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Caprolactam	105-60-2	NA	ug/l	9.8 UJ			9.8 UJ	
TRG	8270E	Carbazole	86-74-8	NA	ug/l	9.8 U			9.8 U	
TRG	8270E	Chrysene	218-01-9	NA	ug/l	4.9 U			4.9 U	
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l	4.9 U			4.9 U	

						Location ID	MW-11	MW-11	MW-11	MW-11
						Sample ID	PINEAVE-017-02	PINEAVE-017-02	PINEAVE-017-03	PINEAVE-017-03
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24D3282-02	L2423373-02	24D3282-03	L2423373-03
						SDG	24D3282	24D3282	24D3282	24D3282
						Sample Date	4/25/2024	4/25/2024	4/25/2024	4/25/2024
						Sample Type Code	N	N	FD	FD
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l	4.9	U		4.9	U
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l	9.8	U		9.8	U
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l	9.8	U		9.8	U
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l	9.8	U		9.8	U
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l	9.8	UJ		9.8	UJ
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l	4.9	U		4.9	U
TRG	8270E	Fluorene	86-73-7	NA	ug/l	4.9	U		4.9	U
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l	9.8	U		9.8	U
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l	9.8	UJ		9.8	UJ
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l	9.8	UJ		9.8	UJ
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l	9.8	UJ		9.8	UJ
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l	4.9	U		4.9	U
TRG	8270E	Isophorone	78-59-1	NA	ug/l	9.8	U		9.8	U
TRG	8270E	Naphthalene	91-20-3	NA	ug/l	4.9	U		4.9	U
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l	9.8	U		9.8	U
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l	9.8	U		9.8	U
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l	9.8	U		9.8	U
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l	9.8	U		9.8	U
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l	4.9	U		4.9	U
TRG	8270E	Phenol	108-95-2	NA	ug/l	9.8	U		9.8	U
TRG	8270E	Pyrene	129-00-0	NA	ug/l	4.9	U		4.9	U
TRG	8270E	Pyridine	110-86-1	NA	ug/l	20	U		20	U
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l	4	U		4	U
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l	4	U		4	U
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l	4	U		4	U
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l	4	U		4	U
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l	10	U		10	U
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l	10	U		10	U
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l	50	U		50	U
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l	50	U		50	U
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l	10	U		10	U
TRG	E1633	4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l	4	U		4	U
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l	4	U		4	U
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l	4	U		4	U
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l	1	U		1	U
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l	1	U		1	U
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l	1	U		1	U
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l	1	U		1	U
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l	2	U		2	U
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l	2	U		2	U
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l	2	U		2	U
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l	2	U		2	U
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l	4.9			4.8	
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l	7.6				
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l	1	U		1	U
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l	0.53	J		0.57	J
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l	1	U		1	U

					Location ID	MW-11	MW-11	MW-11	MW-11
					Sample ID	PINEAVE-017-02	PINEAVE-017-02	PINEAVE-017-03	PINEAVE-017-03
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24D3282-02	L2423373-02	24D3282-03	L2423373-03
					SDG	24D3282	24D3282	24D3282	24D3282
					Sample Date	4/25/2024	4/25/2024	4/25/2024	4/25/2024
					Sample Type Code	N	N	FD	FD
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l	1 U		1 U	
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l	1 U		1 U	
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l	2.7		2.7	
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l	1.4		1.4	
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l	6.4		6.2	
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l	1 U		1 U	
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l	0.71 J		0.6 J	
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l	1 U		1 U	
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l	2.7		2.7	
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l	6.7		6.8	
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l	0.32 J		0.27 J	
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l	9.1		9	
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l	1 U		1 U	
TRG	E1633	Perfluorotridecanoic Acid (PFTrIA/PFTrDA)	72629-94-8	T	ng/l	1 U		1 U	
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l	1 U		1 U	
TRG	E1633	Total Suspended Solids	TSS	T	mg/l	16		26	
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l				
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l				
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l				
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l				
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l				
TRG	RSK175	Ethane	74-84-0	T	mg/l				
TRG	RSK175	Ethene	74-85-1	T	mg/l				
TRG	RSK175	Methane	74-82-8	T	mg/l				
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l				
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l	0.05 U		0.05 U	
TRG	SW6010D	Antimony	7440-36-0	T	mg/l	0.05 U		0.05 U	
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l	0.01 U		0.01 U	
TRG	SW6010D	Barium	7440-39-3	T	mg/l	0.086		0.086	
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l	0.004 U		0.004 U	
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l	0.004 U		0.004 U	
TRG	SW6010D	Calcium	7440-70-2	T	mg/l	180		180	
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l	0.01 U		0.01 U	
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l	0.01 U		0.01 U	
TRG	SW6010D	Copper	7440-50-8	T	mg/l	0.01 U		0.01 U	
TRG	SW6010D	Iron	7439-89-6	T	mg/l	1.4		1.4	
TRG	SW6010D	Lead	7439-92-1	T	mg/l	0.01 U		0.01 U	
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l	80		82	
TRG	SW6010D	Manganese	7439-96-5	D	mg/l	0.092		0.092	
TRG	SW6010D	Manganese	7439-96-5	T	mg/l	0.089		0.091	
TRG	SW6010D	Nickel	7440-02-0	T	mg/l	0.01 U		0.0049 J	
TRG	SW6010D	Potassium	7440-09-7	T	mg/l	4.7		4.9	
TRG	SW6010D	Selenium	7782-49-2	T	mg/l	0.05 U		0.05 U	
TRG	SW6010D	Silver	7440-22-4	T	mg/l	0.01 U		0.01 U	
TRG	SW6010D	Sodium	7440-23-5	T	mg/l	210		210	
TRG	SW6010D	Thallium	7440-28-0	T	mg/l	0.05 U		0.05 U	
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l	0.01 U		0.01 U	

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-11 PINEAVE-017-02 WG 24D3282-02 24D3282 4/25/2024 N	MW-11 PINEAVE-017-02 WG L2423373-02 24D3282 4/25/2024 N	MW-11 PINEAVE-017-03 WG 24D3282-03 24D3282 4/25/2024 FD	MW-11 PINEAVE-017-03 WG L2423373-03 24D3282 4/25/2024 FD
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	SW6010D	Zinc	7440-66-6	T	mg/l	0.02			0.02	
TRG	SW7470A	Mercury	7439-97-6	T	mg/l	0.0002 U			0.0002 U	
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l			10 U		10 U
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l			10 U		10 U
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l			2 U		2 U
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l			20 U		20 U
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l			1 U		1 U
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l			10 U		10 U
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l			5 U		5 U
TRG	SW8151A	MCPA	94-74-6	NA	ug/l			500 U		500 U
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l			500 U		500 U
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l			2 U		2 U
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l	0.27			0.19 J	
TRG	SW9014	Cyanide	57-12-5	T	mg/l	0.01 U			0.01 U	

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-12 PINE AVE-021-006 WG 24E2164-06 24E2164 5/15/2024 N	MW-12 PINEAVE-017-04 WG 24D3282-04 24D3282 4/25/2024 N	MW-12 PINEAVE-017-04 WG L2423373-04 24D3282 4/25/2024 N	MW-13 PINE AVE-021-001 WG 24E2164-01 24E2164 5/15/2024 N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l				
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l	2	U		2
TRG	8081B	Aldrin	309-00-2	NA	ug/l			0.05	U
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l			0.05	U
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l			0.05	U
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l			0.05	U
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l			0.08	U
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l			0.05	U
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l			0.05	U
TRG	8081B	Dieldrin	60-57-1	NA	ug/l			0.002	U
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l			0.08	U
TRG	8081B	Endrin	72-20-8	NA	ug/l			0.08	U
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l			0.08	U
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l			0.08	U
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l			0.03	U
TRG	8081B	Heptachlor	76-44-8	NA	ug/l			0.05	U
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l			0.05	U
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l			0.5	U
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l			0.04	U
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l			0.04	U
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l			0.04	U
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l			1	U
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l			0.05	U
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l			0.2	U
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l			0.2	U
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l			0.2	U
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l			0.2	U
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l			0.2	U
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l			0.2	U
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l			0.2	U
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l			0.2	U
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l			0.2	U
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l			1	U
TRG	8260D	1,1,1,2-Tetrachloroethane	79-34-5	NA	ug/l			0.5	U
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l			1	U
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l			1	U
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l			1	U
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l			1	U
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l			5	U
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l			2	U
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l			1	U
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l			1	U
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l			5	U
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l			0.5	U
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l			1	U
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l			1	U
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l			1	U

						Location ID	MW-12	MW-12	MW-12	MW-13
						Sample ID	PINE AVE-021-006	PINEAVE-017-04	PINEAVE-017-04	PINE AVE-021-001
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24E2164-06	24D3282-04	L2423373-04	24E2164-01
						SDG	24E2164	24D3282	24D3282	24E2164
						Sample Date	5/15/2024	4/25/2024	4/25/2024	5/15/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l			1 U		
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l			1 U		
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l			1 U		
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l			10 U		
TRG	8260D	Acetone	67-64-1	NA	ug/l			50 U		
TRG	8260D	Benzene	71-43-2	NA	ug/l			1 U		
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l			1 U		
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l			0.5 U		
TRG	8260D	Bromoform	75-25-2	NA	ug/l			1 U		
TRG	8260D	Bromomethane	74-83-9	NA	ug/l			2 U		
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l			5 UJ		
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l			5 U		
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l			1 U		
TRG	8260D	Chloroethane	75-00-3	NA	ug/l			2 U		
TRG	8260D	Chloroform	67-66-3	NA	ug/l			2 U		
TRG	8260D	Chloromethane	74-87-3	NA	ug/l			2 UJ		
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l			52		
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l			0.5 U		
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l			5 U		
TRG	8260D	Cymene	99-87-6	NA	ug/l			1 U		
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l			0.5 U		
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l			2 U		
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l			1 U		
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l			1 U		
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l			2 U		
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l			1 U		
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l			20 U		
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l			10 U		
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l			1 U		
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l			5 UJ		
TRG	8260D	Naphthalene	91-20-3	NA	ug/l			2 U		
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l			1 U		
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l			1 U		
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l			1 U		
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l			1 U		
TRG	8260D	Styrene	100-42-5	NA	ug/l			1 U		
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l			1 U		
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l			1 U		
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l			17		
TRG	8260D	Toluene	108-88-3	NA	ug/l			1 U		
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l			0.52 J		
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l			0.5 U		
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l			12		
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l			2 U		
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l			1.9 J		
TRG	8260D	Xylenes	1330-20-7	NA	ug/l			1 U		
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l			11 U		

						Location ID	MW-12	MW-12	MW-12	MW-13
						Sample ID	PINE AVE-021-006	PINEAVE-017-04	PINEAVE-017-04	PINE AVE-021-001
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24E2164-06	24D3282-04	L2423373-04	24E2164-01
						SDG	24E2164	24D3282	24D3282	24E2164
						Sample Date	5/15/2024	4/25/2024	4/25/2024	5/15/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l			5.3 U		
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l			21 UJ		
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l			11 U		
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l			11 U		
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l			11 U		
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l			11 U		
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l			11 UJ		
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l			11 U		
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l			11 U		
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l			11 U		
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l			11 U		
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l			5.3 U		
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l			11 U		
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l			11 U		
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l			11 U		
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l			11 U		
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l			11 U		
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l			11 U		
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l			21 U		
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l			11 U		
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l			11 U		
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l			11 U		
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l			11 U		
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l			11 U		
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l			11 U		
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l			5.3 U		
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l			5.3 U		
TRG	8270E	Acetophenone	98-86-2	NA	ug/l			11 U		
TRG	8270E	Aniline	62-53-3	NA	ug/l			21 UJ		
TRG	8270E	Anthracene	120-12-7	NA	ug/l			5.3 U		
TRG	8270E	Atrazine	1912-24-9	NA	ug/l			21 U		
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l			11 U		
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l			5.3 U		
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l			5.3 U		
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l			5.3 U		
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l			5.3 U		
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l			5.3 U		
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l			11 U		
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l			21 U		
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l			11 U		
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l			11 U		
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l			11 U		
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l			11 U		
TRG	8270E	Caprolactam	105-60-2	NA	ug/l			11 UJ		
TRG	8270E	Carbazole	86-74-8	NA	ug/l			11 U		
TRG	8270E	Chrysene	218-01-9	NA	ug/l			5.3 U		
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l			5.3 U		

					Location ID	MW-12		MW-12		MW-12		MW-13	
					Sample ID	PINE AVE-021-006		PINEAVE-017-04		PINEAVE-017-04		PINE AVE-021-001	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24E2164-06		24D3282-04		L2423373-04		24E2164-01	
					SDG	24E2164		24D3282		24D3282		24E2164	
					Sample Date	5/15/2024		4/25/2024		4/25/2024		5/15/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l					5.3	U		
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l					11	U		
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l					11	U		
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l					11	U		
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l					11	U		
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l					5.3	U		
TRG	8270E	Fluorene	86-73-7	NA	ug/l					5.3	U		
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l					11	U		
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l					11	U		
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l					11	U		
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l					11	U		
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l					5.3	U		
TRG	8270E	Isophorone	78-59-1	NA	ug/l					11	U		
TRG	8270E	Naphthalene	91-20-3	NA	ug/l					5.3	U		
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l					11	U		
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l					11	U		
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l					11	U		
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l					11	U		
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l					5.3	U		
TRG	8270E	Phenol	108-95-2	NA	ug/l					11	U		
TRG	8270E	Pyrene	129-00-0	NA	ug/l					5.3	U		
TRG	8270E	Pyridine	110-86-1	NA	ug/l					21	U		
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l					4.2	U		
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l					4.2	U		
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l					4.2	U		
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l					4.2	U		
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l					10	U		
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l					10	U		
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l					52	U		
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l					52	U		
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l					10	U		
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l					4.2	U		
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l					4.2	U		
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l					4.2	U		
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l					1	U		
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l					1	U		
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l					1	U		
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l					1	U		
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l					2.1	U		
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l					2.1	U		
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l					2.1	U		
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l					2.1	U		
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l					8.5			
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l					6.4			
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l					1	U		
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l					1	U		
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l					1	U		

					Location ID	MW-12	MW-12	MW-12	MW-13
					Sample ID	PINE AVE-021-006	PINEAVE-017-04	PINEAVE-017-04	PINE AVE-021-001
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24E2164-06	24D3282-04	L2423373-04	24E2164-01
					SDG	24E2164	24D3282	24D3282	24E2164
					Sample Date	5/15/2024	4/25/2024	4/25/2024	5/15/2024
					Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l		1	U	
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l		1	U	
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l		2.1		
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l		1.2		
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l		4.7		
TRG	E1633	Perfluorononanesulfonic acid (PFNS)	68259-12-1	T	ng/l		1	U	
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l		0.56	J	
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l		1	U	
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l		1.2		
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l		6.4		
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l		0.28	J	
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l		6.6		
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l		1	U	
TRG	E1633	Perfluorotridecanoic Acid (PFTrIA/PFTrDA)	72629-94-8	T	ng/l		1	U	
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l		1	U	
TRG	E1633	Total Suspended Solids	TSS	T	mg/l		10	U	
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l	180			400
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l	0.1	U		0.1
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l	0.1	U		0.1
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l	0.1	U		0.1
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l	130			500
TRG	RSK175	Ethane	74-84-0	T	mg/l	0.014	U		0.014
TRG	RSK175	Ethene	74-85-1	T	mg/l	0.017	U		0.017
TRG	RSK175	Methane	74-82-8	T	mg/l	0.0049	J		0.048
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l	2.4			2.9
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l		0.05	U	
TRG	SW6010D	Antimony	7440-36-0	T	mg/l		0.05	U	
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l		0.01	U	
TRG	SW6010D	Barium	7440-39-3	T	mg/l		0.061		
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l		0.004	U	
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l		0.004	U	
TRG	SW6010D	Calcium	7440-70-2	T	mg/l		110		
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l		0.01	U	
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l		0.01	U	
TRG	SW6010D	Copper	7440-50-8	T	mg/l		0.01	U	
TRG	SW6010D	Iron	7439-89-6	T	mg/l		0.23		
TRG	SW6010D	Lead	7439-92-1	T	mg/l		0.01	U	
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l		45		
TRG	SW6010D	Manganese	7439-96-5	D	mg/l	0.088	0.079		0.082
TRG	SW6010D	Manganese	7439-96-5	T	mg/l	0.084	0.076		0.081
TRG	SW6010D	Nickel	7440-02-0	T	mg/l		0.0048	J	
TRG	SW6010D	Potassium	7440-09-7	T	mg/l		3		
TRG	SW6010D	Selenium	7782-49-2	T	mg/l		0.05	U	
TRG	SW6010D	Silver	7440-22-4	T	mg/l		0.01	U	
TRG	SW6010D	Sodium	7440-23-5	T	mg/l		96		
TRG	SW6010D	Thallium	7440-28-0	T	mg/l		0.05	U	
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l		0.01	U	

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		MW-12 PINE AVE-021-006 WG 24E2164-06 24E2164 5/15/2024 N	MW-12 PINEAVE-017-04 WG 24D3282-04 24D3282 4/25/2024 N	MW-12 PINEAVE-017-04 WG L2423373-04 24D3282 4/25/2024 N	MW-13 PINE AVE-021-001 WG 24E2164-01 24E2164 5/15/2024 N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit						
TRG	SW6010D	Zinc	7440-66-6	T	mg/l				0.24		
TRG	SW7470A	Mercury	7439-97-6	T	mg/l				0.0002	U	
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l					10	U
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l					10	U
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l					2	U
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l					20	U
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l					1	U
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l					10	U
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l					5	U
TRG	SW8151A	MCPA	94-74-6	NA	ug/l					500	U
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l					500	U
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l					2	U
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l				0.13	J	
TRG	SW9014	Cyanide	57-12-5	T	mg/l				0.01	U	

						Location ID	MW-13	MW-13	PVE-01	PVE-02
						Sample ID	PINEAVE-016-08	PINEAVE-016-08	PINEAVE-016-04	PINEAVE-016-05
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24D3027-08	L2423224-01	24D3027-04	24D3027-05
						SDG	24D3027	24D3027	24D3027	24D3027
						Sample Date	4/24/2024	4/24/2024	4/24/2024	4/24/2024
						Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l					
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l					
TRG	8081B	Aldrin	309-00-2	NA	ug/l	0.05 U				
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l	0.05 U				
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l	0.05 U				
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l	0.05 U				
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l	0.079 U				
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l	0.05 U				
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l	0.05 U				
TRG	8081B	Dieldrin	60-57-1	NA	ug/l	0.002 U				
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l	0.079 U				
TRG	8081B	Endrin	72-20-8	NA	ug/l	0.079 U				
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l	0.079 U				
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l	0.079 U				
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l	0.03 U				
TRG	8081B	Heptachlor	76-44-8	NA	ug/l	0.05 U				
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l	0.05 U				
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l	0.5 U				
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l	0.04 U				
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l	0.04 U				
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l	0.04 U				
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l	0.99 U				
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l	0.05 U				
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l	0.19 U				
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l	0.19 U				
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l	0.19 U				
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l	0.19 U				
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l	0.19 U				
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l	0.19 U				
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l	0.19 U				
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l	0.19 U				
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l	0.19 U				
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,1,1,2-Tetrachloroethane	79-34-5	NA	ug/l	0.5 U			0.5 U	5 U
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l	5 U			5 U	50 U
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l	2 U			2 U	20 U
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l	5 U			5 U	50 U
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l	0.5 U			0.5 U	5 U
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l	1 U			1 U	5 U

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-13 PINEAVE-016-08 WG 24D3027-08 24D3027 4/24/2024 N	MW-13 PINEAVE-016-08 WG L2423224-01 24D3027 4/24/2024 N	PVE-01 PINEAVE-016-04 WG 24D3027-04 24D3027 4/24/2024 N	PVE-02 PINEAVE-016-05 WG 24D3027-05 24D3027 4/24/2024 N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l	1 U			1 U	10 U
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l	1 U			1 U	10 U
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l	10 U			10 U	100 U
TRG	8260D	Acetone	67-64-1	NA	ug/l	50 UJ			50 UJ	500 UJ
TRG	8260D	Benzene	71-43-2	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l	0.5 U			0.5 U	5 U
TRG	8260D	Bromoform	75-25-2	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Bromomethane	74-83-9	NA	ug/l	2 U			2 U	20 U
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l	5 U			5 U	50 U
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l	5 U			5 U	50 U
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Chloroethane	75-00-3	NA	ug/l	2 U			2 U	20 U
TRG	8260D	Chloroform	67-66-3	NA	ug/l	2 U			2 U	20 U
TRG	8260D	Chloromethane	74-87-3	NA	ug/l	2 U			2 U	20 U
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l	13			1 U	1100
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l	0.5 U			0.5 U	5 U
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l	5 U			5 U	50 U
TRG	8260D	Cymene	99-87-6	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l	0.5 U			0.5 U	5 U
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l	2 U			2 U	20 U
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l	1 U			1 U	10 U
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l	2 U			2 U	20 U
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l	1 UJ			1 UJ	10 UJ
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l	20 UJ			20 UJ	17 J
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l	10 U			10 U	100 U
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l	5 U			5 U	50 U
TRG	8260D	Naphthalene	91-20-3	NA	ug/l	2 U			2 U	20 U
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l	1 U			1 U	10 U
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l	1 U			1 U	10 U
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Styrene	100-42-5	NA	ug/l	1 U			1 U	10 U
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l	0.36 J			0.28 J	720
TRG	8260D	Toluene	108-88-3	NA	ug/l	1 U			1 U	10 U
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l	0.23 J			1 U	27
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l	0.5 U			0.5 U	5 U
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l	1.7			1 U	360
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l	2 UJ			2 UJ	20 UJ
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l	5			2 U	15 J
TRG	8260D	Xylenes	1330-20-7	NA	ug/l	1 U			1 U	10 U
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l	9.6 U				

					Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	MW-13 PINEAVE-016-08 WG 24D3027-08 24D3027 4/24/2024 N	MW-13 PINEAVE-016-08 WG L2423224-01 24D3027 4/24/2024 N	PVE-01 PINEAVE-016-04 WG 24D3027-04 24D3027 4/24/2024 N	PVE-02 PINEAVE-016-05 WG 24D3027-05 24D3027 4/24/2024 N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l	4.8	U		
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l	19	UJ		
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l	9.6	U		
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l	9.6	U		
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l	9.6	U		
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l	9.6	U		
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l	9.6	UJ		
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l	9.6	U		
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l	9.6	U		
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l	9.6	U		
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l	9.6	U		
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l	4.8	U		
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l	9.6	U		
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l	9.6	U		
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l	9.6	U		
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l	9.6	U		
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l	9.6	U		
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l	9.6	U		
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l	19	U		
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l	9.6	U		
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l	9.6	U		
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l	9.6	U		
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l	9.6	U		
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l	9.6	U		
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l	9.6	U		
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l	4.8	U		
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l	4.8	U		
TRG	8270E	Acetophenone	98-86-2	NA	ug/l	9.6	U		
TRG	8270E	Aniline	62-53-3	NA	ug/l	19	UJ		
TRG	8270E	Anthracene	120-12-7	NA	ug/l	4.8	U		
TRG	8270E	Atrazine	1912-24-9	NA	ug/l	19	U		
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l	9.6	U		
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l	4.8	U		
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l	4.8	U		
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l	4.8	U		
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l	4.8	U		
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l	4.8	U		
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l	9.6	U		
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l	19	U		
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l	9.6	U		
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l	9.6	U		
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l	9.6	U		
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l	9.6	U		
TRG	8270E	Caprolactam	105-60-2	NA	ug/l	9.6	UJ		
TRG	8270E	Carbazole	86-74-8	NA	ug/l	9.6	U		
TRG	8270E	Chrysene	218-01-9	NA	ug/l	4.8	U		
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l	4.8	U		

					Location ID	MW-13	MW-13	PVE-01	PVE-02
					Sample ID	PINEAVE-016-08	PINEAVE-016-08	PINEAVE-016-04	PINEAVE-016-05
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24D3027-08	L2423224-01	24D3027-04	24D3027-05
					SDG	24D3027	24D3027	24D3027	24D3027
					Sample Date	4/24/2024	4/24/2024	4/24/2024	4/24/2024
					Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l	4.8 U			
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l	9.6 U			
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l	9.6 U			
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l	9.6 U			
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l	9.6 UJ			
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l	4.8 U			
TRG	8270E	Fluorene	86-73-7	NA	ug/l	4.8 U			
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l	9.6 U			
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l	9.6 UJ			
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l	9.6 UJ			
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l	9.6 UJ			
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l	4.8 U			
TRG	8270E	Isophorone	78-59-1	NA	ug/l	9.6 U			
TRG	8270E	Naphthalene	91-20-3	NA	ug/l	4.8 U			
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l	9.6 U			
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l	9.6 U			
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l	9.6 U			
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l	9.6 U			
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l	4.8 U			
TRG	8270E	Phenol	108-95-2	NA	ug/l	9.6 U			
TRG	8270E	Pyrene	129-00-0	NA	ug/l	4.8 U			
TRG	8270E	Pyridine	110-86-1	NA	ug/l	19 U			
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l	4 U			
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l	4 U			
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l	4 U			
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l	4 U			
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l	10 U			
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l	10 U			
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l	50 U			
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l	50 U			
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l	10 U			
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l	4 U			
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l	4 U			
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l	4 U			
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l	1 U			
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l	1 U			
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l	1 U			
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l	1 U			
TRG	E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	T	ng/l	2 U			
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l	2 U			
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l	2 U			
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l	2 U			
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l	1.8			
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l	6.9			
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l	1 U			
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l	0.7 J			
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l	1 U			

					Location ID	MW-13	MW-13	PVE-01	PVE-02
					Sample ID	PINEAVE-016-08	PINEAVE-016-08	PINEAVE-016-04	PINEAVE-016-05
					Matrix	WG	WG	WG	WG
					Lab Sample ID	24D3027-08	L2423224-01	24D3027-04	24D3027-05
					SDG	24D3027	24D3027	24D3027	24D3027
					Sample Date	4/24/2024	4/24/2024	4/24/2024	4/24/2024
					Sample Type Code	N	N	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l	1 U			
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l	1 U			
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l	2.8			
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l	0.8 J			
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l	6.7			
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l	1 U			
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l	0.63 J			
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l	1 U			
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l	1.4			
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l	5.2			
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l	1 U			
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l	10			
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l	1 U			
TRG	E1633	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	T	ng/l	1 U			
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l	1 U			
TRG	E1633	Total Suspended Solids	TSS	T	mg/l	10 U			
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l				
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l				
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l				
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l				
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l				
TRG	RSK175	Ethane	74-84-0	T	mg/l				
TRG	RSK175	Ethene	74-85-1	T	mg/l				
TRG	RSK175	Methane	74-82-8	T	mg/l				
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l				
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l	0.05 U			
TRG	SW6010D	Antimony	7440-36-0	T	mg/l	0.05 U			
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l	0.01 U			
TRG	SW6010D	Barium	7440-39-3	T	mg/l	0.058			
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l	0.004 U			
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l	0.004 U			
TRG	SW6010D	Calcium	7440-70-2	T	mg/l	210			
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l	0.01 U			
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l	0.01 U			
TRG	SW6010D	Copper	7440-50-8	T	mg/l	0.01 U			
TRG	SW6010D	Iron	7439-89-6	T	mg/l	1.1			
TRG	SW6010D	Lead	7439-92-1	T	mg/l	0.01 U			
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l	91			
TRG	SW6010D	Manganese	7439-96-5	D	mg/l				
TRG	SW6010D	Manganese	7439-96-5	T	mg/l	0.08			
TRG	SW6010D	Nickel	7440-02-0	T	mg/l	0.0052 J			
TRG	SW6010D	Potassium	7440-09-7	T	mg/l	3.6			
TRG	SW6010D	Selenium	7782-49-2	T	mg/l	0.05 U			
TRG	SW6010D	Silver	7440-22-4	T	mg/l	0.01 U			
TRG	SW6010D	Sodium	7440-23-5	T	mg/l	210			
TRG	SW6010D	Thallium	7440-28-0	T	mg/l	0.05 U			
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l	0.01 U			

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code						MW-13 PINEAVE-016-08 WG 24D3027-08 24D3027 4/24/2024 N	MW-13 PINEAVE-016-08 WG L2423224-01 24D3027 4/24/2024 N	PVE-01 PINEAVE-016-04 WG 24D3027-04 24D3027 4/24/2024 N	PVE-02 PINEAVE-016-05 WG 24D3027-05 24D3027 4/24/2024 N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	SW6010D	Zinc	7440-66-6	T	mg/l	0.14			
TRG	SW7470A	Mercury	7439-97-6	T	mg/l	0.0002	U		
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l			10	U
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l			10	U
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l			2	U
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l			20	U
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l			1	U
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l			10	U
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l			5	U
TRG	SW8151A	MCPA	94-74-6	NA	ug/l			500	U
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l			500	U
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l			2	U
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l	0.32			
TRG	SW9014	Cyanide	57-12-5	T	mg/l	0.01	U		

					Location ID	PZ-01		PZ-02		PZ-03		SVE-01	
					Sample ID	PINEAVE-023-003		PINEAVE-023-002		PINEAVE-023-001		PINEAVE-016-01	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24F0110-03		24F0110-02		24F0110-01		24D3027-01	
					SDG	24F0110		24F0110		24F0110		24D3027	
					Sample Date	5/31/2024		5/31/2024		5/31/2024		4/24/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l			1.8 J					
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l								
TRG	8081B	Aldrin	309-00-2	NA	ug/l								
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l								
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l								
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l								
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l								
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l								
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l								
TRG	8081B	Dieldrin	60-57-1	NA	ug/l								
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l								
TRG	8081B	Endrin	72-20-8	NA	ug/l								
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l								
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l								
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l								
TRG	8081B	Heptachlor	76-44-8	NA	ug/l								
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l								
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l								
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l								
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l								
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l								
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l								
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l								
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l								
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l								
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l								
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l								
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l								
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l								
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l								
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l								
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l								
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l	100 U		0.38 J		5 U		1 U	
TRG	8260D	1,1,1,2-Tetrachloroethane	79-34-5	NA	ug/l	50 U		0.5 U		2.5 U		0.5 U	
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l	100 U		1 U		5 U		1 U	
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l	100 U		1 U		5 U		1 U	
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l	100 U		0.33 J		5 U		1 U	
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l	34 J		1 U		3.4 J		1 U	
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l	500 U		5 U		25 U		5 U	
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l	200 U		2 U		10 U		2 U	
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l	100 U		1 U		5 U		1 U	
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l	100 U		1 U		5 U		0.19 J	
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l	500 U		5 U		25 U		5 U	
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l	50 U		0.5 U		2.5 U		0.5 U	
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l	100 U		1 U		5 U		1 U	
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l	100 U		1 U		5 U		1 U	
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l	100 U		1 U		6.1		1 U	

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	PZ-01 PINEAVE-023-003 WG 24F0110-03 24F0110 5/31/2024 N	PZ-02 PINEAVE-023-002 WG 24F0110-02 24F0110 5/31/2024 N	PZ-03 PINEAVE-023-001 WG 24F0110-01 24F0110 5/31/2024 N	SVE-01 PINEAVE-016-01 WG 24D3027-01 24D3027 4/24/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit				
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l	1000 U	10 U	50 U	10 U
TRG	8260D	Acetone	67-64-1	NA	ug/l	5000 U	50 U	250 U	50 U
TRG	8260D	Benzene	71-43-2	NA	ug/l	100 U	1 U	1.2 J	1 U
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l	50 U	0.5 U	2.5 U	0.5 U
TRG	8260D	Bromoform	75-25-2	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Bromomethane	74-83-9	NA	ug/l	200 U	2 U	10 U	2 U
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l	500 U	5 U	25 U	5 U
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l	500 U	5 U	25 U	5 U
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Chloroethane	75-00-3	NA	ug/l	200 U	2 U	10 U	2 U
TRG	8260D	Chloroform	67-66-3	NA	ug/l	200 U	2 U	10 U	2 U
TRG	8260D	Chloromethane	74-87-3	NA	ug/l	200 U	2 U	10 U	2 U
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l	4500	0.96 J	860	1.4
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l	50 U	0.5 U	2.5 U	0.5 U
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l	500 U	5 U	25 U	5 U
TRG	8260D	Cymene	99-87-6	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l	50 U	0.5 U	2.5 U	0.5 U
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l	200 U	2 U	10 U	2 U
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l	200 U	2 U	10 U	0.28 J
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l	2000 U	20 U	100 U	20 U
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l	1000 U	10 U	50 U	10 U
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l	100 U	1 U	5 U	0.37 J
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l	500 U	5 U	25 U	5 U
TRG	8260D	Naphthalene	91-20-3	NA	ug/l	200 U	2 U	10 U	2 U
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Styrene	100-42-5	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l	100 U	0.54 J	5 U	1 U
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l	12000	2.2	390	1.5
TRG	8260D	Toluene	108-88-3	NA	ug/l	100 U	0.15 J	5 U	0.29 J
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l	54 J	1 U	9.8	1 U
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l	50 U	0.5 U	2.5 U	0.5 U
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l	5400	0.78 J	380	0.6 J
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l	200 U	2 U	10 U	2 U
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l	32 J	2 U	9.5 J	2 U
TRG	8260D	Xylenes	1330-20-7	NA	ug/l	100 U	1 U	5 U	1 U
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l				

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		PZ-01 PINEAVE-023-003 WG 24F0110-03 24F0110 5/31/2024 N		PZ-02 PINEAVE-023-002 WG 24F0110-02 24F0110 5/31/2024 N		PZ-03 PINEAVE-023-001 WG 24F0110-01 24F0110 5/31/2024 N		SVE-01 PINEAVE-016-01 WG 24D3027-01 24D3027 4/24/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit										
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l										
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l										
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l										
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l										
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l										
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l										
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l										
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l										
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l										
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l										
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l										
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l										
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l										
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l										
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l										
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l										
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l										
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l										
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l										
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l										
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l										
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l										
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l										
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l										
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l										
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l										
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l										
TRG	8270E	Acetophenone	98-86-2	NA	ug/l										
TRG	8270E	Aniline	62-53-3	NA	ug/l										
TRG	8270E	Anthracene	120-12-7	NA	ug/l										
TRG	8270E	Atrazine	1912-24-9	NA	ug/l										
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l										
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l										
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l										
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l										
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l										
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l										
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l										
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l										
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l										
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l										
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l										
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l										
TRG	8270E	Caprolactam	105-60-2	NA	ug/l										
TRG	8270E	Carbazole	86-74-8	NA	ug/l										
TRG	8270E	Chrysene	218-01-9	NA	ug/l										
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l										

					Location ID	PZ-01		PZ-02		PZ-03		SVE-01	
					Sample ID	PINEAVE-023-003		PINEAVE-023-002		PINEAVE-023-001		PINEAVE-016-01	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24F0110-03		24F0110-02		24F0110-01		24D3027-01	
					SDG	24F0110		24F0110		24F0110		24D3027	
					Sample Date	5/31/2024		5/31/2024		5/31/2024		4/24/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l								
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l								
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l								
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l								
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l								
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l								
TRG	8270E	Fluorene	86-73-7	NA	ug/l								
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l								
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l								
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l								
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l								
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l								
TRG	8270E	Isophorone	78-59-1	NA	ug/l								
TRG	8270E	Naphthalene	91-20-3	NA	ug/l								
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l								
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l								
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l								
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l								
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l								
TRG	8270E	Phenol	108-95-2	NA	ug/l								
TRG	8270E	Pyrene	129-00-0	NA	ug/l								
TRG	8270E	Pyridine	110-86-1	NA	ug/l								
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l								
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l								
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l								
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l								
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l								
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l								
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l								
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l								
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l								
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l								
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l								
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l								
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l								
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l								
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l								
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l								
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l								
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l								
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l								
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l								
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l								
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l								
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l								
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l								
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l								

					Location ID	PZ-01		PZ-02		PZ-03		SVE-01	
					Sample ID	PINEAVE-023-003		PINEAVE-023-002		PINEAVE-023-001		PINEAVE-016-01	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24F0110-03		24F0110-02		24F0110-01		24D3027-01	
					SDG	24F0110		24F0110		24F0110		24D3027	
					Sample Date	5/31/2024		5/31/2024		5/31/2024		4/24/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l								
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l								
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l								
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l								
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l								
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l								
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l								
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l								
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l								
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l								
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l								
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l								
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l								
TRG	E1633	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	T	ng/l								
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l								
TRG	E1633	Total Suspended Solids	TSS	T	mg/l								
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l								
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l								
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l								
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l								
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l								
TRG	RSK175	Ethane	74-84-0	T	mg/l								
TRG	RSK175	Ethene	74-85-1	T	mg/l								
TRG	RSK175	Methane	74-82-8	T	mg/l								
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l								
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l								
TRG	SW6010D	Antimony	7440-36-0	T	mg/l								
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l								
TRG	SW6010D	Barium	7440-39-3	T	mg/l								
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l								
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l								
TRG	SW6010D	Calcium	7440-70-2	T	mg/l								
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l								
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l								
TRG	SW6010D	Copper	7440-50-8	T	mg/l								
TRG	SW6010D	Iron	7439-89-6	T	mg/l								
TRG	SW6010D	Lead	7439-92-1	T	mg/l								
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l								
TRG	SW6010D	Manganese	7439-96-5	D	mg/l								
TRG	SW6010D	Manganese	7439-96-5	T	mg/l								
TRG	SW6010D	Nickel	7440-02-0	T	mg/l								
TRG	SW6010D	Potassium	7440-09-7	T	mg/l								
TRG	SW6010D	Selenium	7782-49-2	T	mg/l								
TRG	SW6010D	Silver	7440-22-4	T	mg/l								
TRG	SW6010D	Sodium	7440-23-5	T	mg/l								
TRG	SW6010D	Thallium	7440-28-0	T	mg/l								
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l								

					Location ID	PZ-01		PZ-02		PZ-03		SVE-01	
					Sample ID	PINEAVE-023-003		PINEAVE-023-002		PINEAVE-023-001		PINEAVE-016-01	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24F0110-03		24F0110-02		24F0110-01		24D3027-01	
					SDG	24F0110		24F0110		24F0110		24D3027	
					Sample Date	5/31/2024		5/31/2024		5/31/2024		4/24/2024	
					Sample Type Code	N		N		N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit								
TRG	SW6010D	Zinc	7440-66-6	T	mg/l								
TRG	SW7470A	Mercury	7439-97-6	T	mg/l								
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l								
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l								
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l								
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l								
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l								
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l								
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l								
TRG	SW8151A	MCPA	94-74-6	NA	ug/l								
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l								
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l								
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l								
TRG	SW9014	Cyanide	57-12-5	T	mg/l								

						Location ID	SVE-01	SVE-02	SVE-02	SVE-02
						Sample ID	PINEAVE-020-003	PINEAVE-016-02	PINEAVE-016-07	PINEAVE-020-002
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24E1945-03	24D3027-02	24D3027-07	24E1945-02
						SDG	24E1945	24D3027	24D3027	24E1945
						Sample Date	5/14/2024	4/24/2024	4/24/2024	5/14/2024
						Sample Type Code	N	N	FD	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l					
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l		2 U			2 U
TRG	8081B	Aldrin	309-00-2	NA	ug/l					
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l					
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l					
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l					
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l					
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l					
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l					
TRG	8081B	Dieldrin	60-57-1	NA	ug/l					
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l					
TRG	8081B	Endrin	72-20-8	NA	ug/l					
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l					
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l					
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l					
TRG	8081B	Heptachlor	76-44-8	NA	ug/l					
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l					
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l					
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l					
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l					
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l					
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l					
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l					
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l					
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l					
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l					
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l					
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l					
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l					
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l					
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l					
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l					
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l			1 U	1 U	
TRG	8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	ug/l			0.5 U	0.5 U	
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l			1 U	1 U	
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l			1 U	1 U	
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l			1 U	1 U	
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l			1 U	1 U	
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l			5 U	5 U	
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l			2 U	2 U	
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l			1 U	1 U	
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l			1 U	1 U	
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l			5 U	5 U	
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l			0.5 U	0.5 U	
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l			1 U	1 U	
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l			1 U	1 U	
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l			1 U	1 U	

						Location ID	SVE-01	SVE-02	SVE-02	SVE-02
						Sample ID	PINEAVE-020-003	PINEAVE-016-02	PINEAVE-016-07	PINEAVE-020-002
						Matrix	WG	WG	WG	WG
						Lab Sample ID	24E1945-03	24D3027-02	24D3027-07	24E1945-02
						SDG	24E1945	24D3027	24D3027	24E1945
						Sample Date	5/14/2024	4/24/2024	4/24/2024	5/14/2024
						Sample Type Code	N	N	FD	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit					
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l			1 U	1 U	
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l			1 U	1 U	
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l			1 U	1 U	
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l			10 U	10 U	
TRG	8260D	Acetone	67-64-1	NA	ug/l			50 UJ	50 UJ	
TRG	8260D	Benzene	71-43-2	NA	ug/l			1 U	1 U	
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l			1 U	1 U	
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l			0.5 U	0.5 U	
TRG	8260D	Bromoform	75-25-2	NA	ug/l			1 U	1 U	
TRG	8260D	Bromomethane	74-83-9	NA	ug/l			2 U	2 U	
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l			5 U	5 U	
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l			5 U	5 U	
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l			1 U	1 U	
TRG	8260D	Chloroethane	75-00-3	NA	ug/l			2 U	2 U	
TRG	8260D	Chloroform	67-66-3	NA	ug/l			2 U	2 U	
TRG	8260D	Chloromethane	74-87-3	NA	ug/l			2 U	2 U	
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l			5 U	5 U	
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l			0.5 U	0.5 U	
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l			5 U	5 U	
TRG	8260D	Cymene	99-87-6	NA	ug/l			1 U	1 U	
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l			0.5 U	0.5 U	
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l			2 U	2 U	
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l			1 U	1 U	
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l			1 U	1 U	
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l			2 U	2 U	
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l			1 UJ	1 UJ	
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l			20 UJ	20 UJ	
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l			10 U	10 U	
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l			1 U	1 U	
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l			5 U	5 U	
TRG	8260D	Naphthalene	91-20-3	NA	ug/l			2 U	2 U	
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l			1 U	1 U	
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l			1 U	1 U	
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l			1 U	1 U	
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l			1 U	1 U	
TRG	8260D	Styrene	100-42-5	NA	ug/l			1 U	1 U	
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l			1 U	1 U	
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l			1 U	1 U	
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l			0.82 J	0.8 J	
TRG	8260D	Toluene	108-88-3	NA	ug/l			1 U	1 U	
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l			0.64 J	0.62 J	
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l			0.5 U	0.5 U	
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l			3.2	3.2	
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l			2 UJ	2 UJ	
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l			2 U	2 U	
TRG	8260D	Xylenes	1330-20-7	NA	ug/l			1 U	1 U	
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l					

				Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code	SVE-01 PINEAVE-020-003 WG 24E1945-03 24E1945 5/14/2024 N			SVE-02 PINEAVE-016-02 WG 24D3027-02 24D3027 4/24/2024 N			SVE-02 PINEAVE-016-07 WG 24D3027-07 24D3027 4/24/2024 FD			SVE-02 PINEAVE-020-002 WG 24E1945-02 24E1945 5/14/2024 N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit									
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l									
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l									
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l									
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l									
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l									
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l									
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l									
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l									
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l									
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l									
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l									
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l									
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l									
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l									
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l									
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l									
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l									
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l									
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l									
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l									
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l									
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l									
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l									
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l									
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l									
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l									
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l									
TRG	8270E	Acetophenone	98-86-2	NA	ug/l									
TRG	8270E	Aniline	62-53-3	NA	ug/l									
TRG	8270E	Anthracene	120-12-7	NA	ug/l									
TRG	8270E	Atrazine	1912-24-9	NA	ug/l									
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l									
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l									
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l									
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l									
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l									
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l									
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l									
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l									
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l									
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l									
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l									
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l									
TRG	8270E	Caprolactam	105-60-2	NA	ug/l									
TRG	8270E	Carbazole	86-74-8	NA	ug/l									
TRG	8270E	Chrysene	218-01-9	NA	ug/l									
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l									

					Location ID	SVE-01		SVE-02		SVE-02		SVE-02	
					Sample ID	PINEAVE-020-003		PINEAVE-016-02		PINEAVE-016-07		PINEAVE-020-002	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24E1945-03		24D3027-02		24D3027-07		24E1945-02	
					SDG	24E1945		24D3027		24D3027		24E1945	
					Sample Date	5/14/2024		4/24/2024		4/24/2024		5/14/2024	
					Sample Type Code	N		N		FD		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l								
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l								
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l								
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l								
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l								
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l								
TRG	8270E	Fluorene	86-73-7	NA	ug/l								
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l								
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l								
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l								
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l								
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l								
TRG	8270E	Isophorone	78-59-1	NA	ug/l								
TRG	8270E	Naphthalene	91-20-3	NA	ug/l								
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l								
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l								
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l								
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l								
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l								
TRG	8270E	Phenol	108-95-2	NA	ug/l								
TRG	8270E	Pyrene	129-00-0	NA	ug/l								
TRG	8270E	Pyridine	110-86-1	NA	ug/l								
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l								
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l								
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l								
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l								
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l								
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l								
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l								
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l								
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l								
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l								
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l								
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l								
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l								
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l								
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l								
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l								
TRG	E1633	Nonafluoro-3,6-dioxahexanoic acid	151772-58-6	T	ng/l								
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l								
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l								
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l								
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l								
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l								
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l								
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l								
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l								

					Location ID	SVE-01		SVE-02		SVE-02		SVE-02	
					Sample ID	PINEAVE-020-003		PINEAVE-016-02		PINEAVE-016-07		PINEAVE-020-002	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24E1945-03		24D3027-02		24D3027-07		24E1945-02	
					SDG	24E1945		24D3027		24D3027		24E1945	
					Sample Date	5/14/2024		4/24/2024		4/24/2024		5/14/2024	
					Sample Type Code	N		N		FD		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit								
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l								
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l								
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l								
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l								
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l								
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l								
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l								
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l								
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l								
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l								
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l								
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l								
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l								
TRG	E1633	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	T	ng/l								
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l								
TRG	E1633	Total Suspended Solids	TSS	T	mg/l								
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l		34						25
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l		0.1 U						0.1 U
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l		0.1 U						0.1 U
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l		0.1 U						0.1 U
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l		310						280
TRG	RSK175	Ethane	74-84-0	T	mg/l		0.014 U						0.014 U
TRG	RSK175	Ethene	74-85-1	T	mg/l		0.017 U						0.017 U
TRG	RSK175	Methane	74-82-8	T	mg/l		0.007 U						0.007 U
TRG	SM5310B	Total Organic Carbon	TOC	T	mg/l		2.3						2.1
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l								
TRG	SW6010D	Antimony	7440-36-0	T	mg/l								
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l								
TRG	SW6010D	Barium	7440-39-3	T	mg/l								
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l								
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l								
TRG	SW6010D	Calcium	7440-70-2	T	mg/l								
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l								
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l								
TRG	SW6010D	Copper	7440-50-8	T	mg/l								
TRG	SW6010D	Iron	7439-89-6	T	mg/l								
TRG	SW6010D	Lead	7439-92-1	T	mg/l								
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l								
TRG	SW6010D	Manganese	7439-96-5	D	mg/l		0.01 U						0.01 U
TRG	SW6010D	Manganese	7439-96-5	T	mg/l		0.015						0.017
TRG	SW6010D	Nickel	7440-02-0	T	mg/l								
TRG	SW6010D	Potassium	7440-09-7	T	mg/l								
TRG	SW6010D	Selenium	7782-49-2	T	mg/l								
TRG	SW6010D	Silver	7440-22-4	T	mg/l								
TRG	SW6010D	Sodium	7440-23-5	T	mg/l								
TRG	SW6010D	Thallium	7440-28-0	T	mg/l								
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l								

					Location ID	SVE-01		SVE-02		SVE-02		SVE-02	
					Sample ID	PINEAVE-020-003		PINEAVE-016-02		PINEAVE-016-07		PINEAVE-020-002	
					Matrix	WG		WG		WG		WG	
					Lab Sample ID	24E1945-03		24D3027-02		24D3027-07		24E1945-02	
					SDG	24E1945		24D3027		24D3027		24E1945	
					Sample Date	5/14/2024		4/24/2024		4/24/2024		5/14/2024	
					Sample Type Code	N		N		FD		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS_RN	FRACTION	Unit								
TRG	SW6010D	Zinc	7440-66-6	T	mg/l								
TRG	SW7470A	Mercury	7439-97-6	T	mg/l								
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l								
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l								
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l								
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l								
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l								
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l								
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l								
TRG	SW8151A	MCPA	94-74-6	NA	ug/l								
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l								
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l								
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l								
TRG	SW9014	Cyanide	57-12-5	T	mg/l								

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		SVE-03 PINEAVE-016-03 WG 24D3027-03 24D3027 4/24/2024 N	SVE-03 PINEAVE-020-001 WG 24E1945-01 24E1945 5/14/2024 N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TIC	8260D	Unknown Volatile Organic With 1st Highest Conc.	UNKVOA1	NA	ug/l				
TRG	4500-S F	Sulfide	18496-25-8	T	mg/l				2 U
TRG	8081B	Aldrin	309-00-2	NA	ug/l				
TRG	8081B	Alpha Bhc (Alpha Hexachlorocyclohexane)	319-84-6	NA	ug/l				
TRG	8081B	Alpha Endosulfan	959-98-8	NA	ug/l				
TRG	8081B	Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	NA	ug/l				
TRG	8081B	Beta Endosulfan	33213-65-9	NA	ug/l				
TRG	8081B	cis-Chlordane	5103-71-9	NA	ug/l				
TRG	8081B	Delta BHC (Delta Hexachlorocyclohexane)	319-86-8	NA	ug/l				
TRG	8081B	Dieldrin	60-57-1	NA	ug/l				
TRG	8081B	Endosulfan Sulfate	1031-07-8	NA	ug/l				
TRG	8081B	Endrin	72-20-8	NA	ug/l				
TRG	8081B	Endrin Aldehyde	7421-93-4	NA	ug/l				
TRG	8081B	Endrin Ketone	53494-70-5	NA	ug/l				
TRG	8081B	Gamma Bhc (Lindane)	58-89-9	NA	ug/l				
TRG	8081B	Heptachlor	76-44-8	NA	ug/l				
TRG	8081B	Heptachlor Epoxide	1024-57-3	NA	ug/l				
TRG	8081B	Methoxychlor	72-43-5	NA	ug/l				
TRG	8081B	P,P'-DDD	72-54-8	NA	ug/l				
TRG	8081B	P,P'-DDE	72-55-9	NA	ug/l				
TRG	8081B	P,P'-DDT	50-29-3	NA	ug/l				
TRG	8081B	Toxaphene	8001-35-2	NA	ug/l				
TRG	8081B	trans-Chlordane	5103-74-2	NA	ug/l				
TRG	8082A	PCB-1016 (Aroclor 1016)	12674-11-2	NA	ug/l				
TRG	8082A	PCB-1221 (Aroclor 1221)	11104-28-2	NA	ug/l				
TRG	8082A	PCB-1232 (Aroclor 1232)	11141-16-5	NA	ug/l				
TRG	8082A	PCB-1242 (Aroclor 1242)	53469-21-9	NA	ug/l				
TRG	8082A	PCB-1248 (Aroclor 1248)	12672-29-6	NA	ug/l				
TRG	8082A	PCB-1254 (Aroclor 1254)	11097-69-1	NA	ug/l				
TRG	8082A	PCB-1260 (Aroclor 1260)	11096-82-5	NA	ug/l				
TRG	8082A	PCB-1262 (Aroclor 1262)	37324-23-5	NA	ug/l				
TRG	8082A	PCB-1268 (Aroclor 1268)	11100-14-4	NA	ug/l				
TRG	8260D	1,1,1-Trichloroethane (TCA)	71-55-6	NA	ug/l		500 U		
TRG	8260D	1,1,2,2-Tetrachloroethane	79-34-5	NA	ug/l		250 U		
TRG	8260D	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NA	ug/l		500 U		
TRG	8260D	1,1,2-Trichloroethane	79-00-5	NA	ug/l		500 U		
TRG	8260D	1,1-Dichloroethane	75-34-3	NA	ug/l		500 U		
TRG	8260D	1,1-Dichloroethene	75-35-4	NA	ug/l		500 U		
TRG	8260D	1,2,3-Trichlorobenzene	87-61-6	NA	ug/l		2500 U		
TRG	8260D	1,2,3-Trichloropropane	96-18-4	NA	ug/l		1000 U		
TRG	8260D	1,2,4-Trichlorobenzene	120-82-1	NA	ug/l		500 U		
TRG	8260D	1,2,4-Trimethylbenzene	95-63-6	NA	ug/l		500 U		
TRG	8260D	1,2-Dibromo-3-Chloropropane	96-12-8	NA	ug/l		2500 U		
TRG	8260D	1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NA	ug/l		250 U		
TRG	8260D	1,2-Dichlorobenzene	95-50-1	NA	ug/l		500 U		
TRG	8260D	1,2-Dichloroethane	107-06-2	NA	ug/l		500 U		
TRG	8260D	1,2-Dichloropropane	78-87-5	NA	ug/l		500 U		

						Location ID	SVE-03	SVE-03
						Sample ID	PINEAVE-016-03	PINEAVE-020-001
						Matrix	WG	WG
						Lab Sample ID	24D3027-03	24E1945-01
						SDG	24D3027	24E1945
						Sample Date	4/24/2024	5/14/2024
						Sample Type Code	N	N
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit			
TRG	8260D	1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	NA	ug/l	500	U	
TRG	8260D	1,3-Dichlorobenzene	541-73-1	NA	ug/l	500	U	
TRG	8260D	1,4-Dichlorobenzene	106-46-7	NA	ug/l	500	U	
TRG	8260D	2-Hexanone	591-78-6	NA	ug/l	5000	U	
TRG	8260D	Acetone	67-64-1	NA	ug/l	25000	UJ	
TRG	8260D	Benzene	71-43-2	NA	ug/l	500	U	
TRG	8260D	Bromochloromethane	74-97-5	NA	ug/l	500	U	
TRG	8260D	Bromodichloromethane	75-27-4	NA	ug/l	250	U	
TRG	8260D	Bromoform	75-25-2	NA	ug/l	500	U	
TRG	8260D	Bromomethane	74-83-9	NA	ug/l	1000	U	
TRG	8260D	Carbon Disulfide	75-15-0	NA	ug/l	2500	U	
TRG	8260D	Carbon Tetrachloride	56-23-5	NA	ug/l	2500	U	
TRG	8260D	Chlorobenzene	108-90-7	NA	ug/l	500	U	
TRG	8260D	Chloroethane	75-00-3	NA	ug/l	1000	U	
TRG	8260D	Chloroform	67-66-3	NA	ug/l	1000	U	
TRG	8260D	Chloromethane	74-87-3	NA	ug/l	1000	U	
TRG	8260D	Cis-1,2-Dichloroethylene	156-59-2	NA	ug/l	2000		
TRG	8260D	Cis-1,3-Dichloropropene	10061-01-5	NA	ug/l	250	U	
TRG	8260D	Cyclohexane	110-82-7	NA	ug/l	2500	U	
TRG	8260D	Cymene	99-87-6	NA	ug/l	500	U	
TRG	8260D	Dibromochloromethane	124-48-1	NA	ug/l	250	U	
TRG	8260D	Dichlorodifluoromethane	75-71-8	NA	ug/l	1000	U	
TRG	8260D	Ethylbenzene	100-41-4	NA	ug/l	500	U	
TRG	8260D	Isopropylbenzene (Cumene)	98-82-8	NA	ug/l	500	U	
TRG	8260D	m,p-Xylene	179601-23-1	NA	ug/l	1000	U	
TRG	8260D	Methyl Acetate	79-20-9	NA	ug/l	500	UJ	
TRG	8260D	Methyl Ethyl Ketone (2-Butanone)	78-93-3	NA	ug/l	10000	UJ	
TRG	8260D	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NA	ug/l	5000	U	
TRG	8260D	Methylcyclohexane	108-87-2	NA	ug/l	500	U	
TRG	8260D	Methylene Chloride	75-09-2	NA	ug/l	2500	U	
TRG	8260D	Naphthalene	91-20-3	NA	ug/l	1000	UJ	
TRG	8260D	N-Butylbenzene	104-51-8	NA	ug/l	500	U	
TRG	8260D	N-Propylbenzene	103-65-1	NA	ug/l	500	U	
TRG	8260D	O-Xylene (1,2-Dimethylbenzene)	95-47-6	NA	ug/l	500	U	
TRG	8260D	Sec-Butylbenzene	135-98-8	NA	ug/l	500	U	
TRG	8260D	Styrene	100-42-5	NA	ug/l	500	U	
TRG	8260D	T-Butylbenzene	98-06-6	NA	ug/l	500	U	
TRG	8260D	Tert-Butyl Methyl Ether	1634-04-4	NA	ug/l	500	U	
TRG	8260D	Tetrachloroethylene (PCE)	127-18-4	NA	ug/l	48000	J	
TRG	8260D	Toluene	108-88-3	NA	ug/l	500	U	
TRG	8260D	Trans-1,2-Dichloroethene	156-60-5	NA	ug/l	500	U	
TRG	8260D	Trans-1,3-Dichloropropene	10061-02-6	NA	ug/l	250	U	
TRG	8260D	Trichloroethylene (TCE)	79-01-6	NA	ug/l	5200		
TRG	8260D	Trichlorofluoromethane	75-69-4	NA	ug/l	1000	UJ	
TRG	8260D	Vinyl Chloride	75-01-4	NA	ug/l	1000	U	
TRG	8260D	Xylenes	1330-20-7	NA	ug/l	500	U	
TRG	8270E	1,2,4,5-Tetrachlorobenzene	95-94-3	NA	ug/l			

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		SVE-03 PINEAVE-016-03 WG 24D3027-03 24D3027 4/24/2024 N		SVE-03 PINEAVE-020-001 WG 24E1945-01 24E1945 5/14/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TRG	8270E	1-Methylnaphthalene	90-12-0	NA	ug/l						
TRG	8270E	2,3,4,6-Tetrachlorophenol	58-90-2	NA	ug/l						
TRG	8270E	2,4,5-Trichlorophenol	95-95-4	NA	ug/l						
TRG	8270E	2,4,6-Trichlorophenol	88-06-2	NA	ug/l						
TRG	8270E	2,4-Dichlorophenol	120-83-2	NA	ug/l						
TRG	8270E	2,4-Dimethylphenol	105-67-9	NA	ug/l						
TRG	8270E	2,4-Dinitrophenol	51-28-5	NA	ug/l						
TRG	8270E	2,4-Dinitrotoluene	121-14-2	NA	ug/l						
TRG	8270E	2,6-Dinitrotoluene	606-20-2	NA	ug/l						
TRG	8270E	2-Chloronaphthalene	91-58-7	NA	ug/l						
TRG	8270E	2-Chlorophenol	95-57-8	NA	ug/l						
TRG	8270E	2-Methylnaphthalene	91-57-6	NA	ug/l						
TRG	8270E	2-Methylphenol (O-Cresol)	95-48-7	NA	ug/l						
TRG	8270E	2-Nitroaniline	88-74-4	NA	ug/l						
TRG	8270E	2-Nitrophenol	88-75-5	NA	ug/l						
TRG	8270E	3- And 4- Methylphenol (Total)	MEPH3MEPH4	NA	ug/l						
TRG	8270E	3,3'-Dichlorobenzidine	91-94-1	NA	ug/l						
TRG	8270E	3-Nitroaniline	99-09-2	NA	ug/l						
TRG	8270E	4,6-Dinitro-2-Methylphenol	534-52-1	NA	ug/l						
TRG	8270E	4-Bromophenyl Phenyl Ether	101-55-3	NA	ug/l						
TRG	8270E	4-Chloro-3-Methylphenol	59-50-7	NA	ug/l						
TRG	8270E	4-Chloroaniline	106-47-8	NA	ug/l						
TRG	8270E	4-Chlorophenyl Phenyl Ether	7005-72-3	NA	ug/l						
TRG	8270E	4-Nitroaniline	100-01-6	NA	ug/l						
TRG	8270E	4-Nitrophenol	100-02-7	NA	ug/l						
TRG	8270E	Acenaphthene	83-32-9	NA	ug/l						
TRG	8270E	Acenaphthylene	208-96-8	NA	ug/l						
TRG	8270E	Acetophenone	98-86-2	NA	ug/l						
TRG	8270E	Aniline	62-53-3	NA	ug/l						
TRG	8270E	Anthracene	120-12-7	NA	ug/l						
TRG	8270E	Atrazine	1912-24-9	NA	ug/l						
TRG	8270E	Benzaldehyde	100-52-7	NA	ug/l						
TRG	8270E	Benzo(A)Anthracene	56-55-3	NA	ug/l						
TRG	8270E	Benzo(A)Pyrene	50-32-8	NA	ug/l						
TRG	8270E	Benzo(B)Fluoranthene	205-99-2	NA	ug/l						
TRG	8270E	Benzo(G,H,I)Perylene	191-24-2	NA	ug/l						
TRG	8270E	Benzo(K)Fluoranthene	207-08-9	NA	ug/l						
TRG	8270E	Benzyl Butyl Phthalate	85-68-7	NA	ug/l						
TRG	8270E	Biphenyl (Diphenyl)	92-52-4	NA	ug/l						
TRG	8270E	Bis(2-Chloroethoxy) Methane	111-91-1	NA	ug/l						
TRG	8270E	Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4	NA	ug/l						
TRG	8270E	Bis(2-Chloroisopropyl) Ether	108-60-1	NA	ug/l						
TRG	8270E	Bis(2-Ethylhexyl) Phthalate	117-81-7	NA	ug/l						
TRG	8270E	Caprolactam	105-60-2	NA	ug/l						
TRG	8270E	Carbazole	86-74-8	NA	ug/l						
TRG	8270E	Chrysene	218-01-9	NA	ug/l						
TRG	8270E	Dibenz(A,H)Anthracene	53-70-3	NA	ug/l						

						Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code		SVE-03 PINEAVE-016-03 WG 24D3027-03 24D3027 4/24/2024 N		SVE-03 PINEAVE-020-001 WG 24E1945-01 24E1945 5/14/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit						
TRG	8270E	Dibenzofuran	132-64-9	NA	ug/l						
TRG	8270E	Diethyl Phthalate	84-66-2	NA	ug/l						
TRG	8270E	Dimethyl Phthalate	131-11-3	NA	ug/l						
TRG	8270E	Di-N-Butyl Phthalate	84-74-2	NA	ug/l						
TRG	8270E	Di-N-Octylphthalate	117-84-0	NA	ug/l						
TRG	8270E	Fluoranthene	206-44-0	NA	ug/l						
TRG	8270E	Fluorene	86-73-7	NA	ug/l						
TRG	8270E	Hexachlorobenzene	118-74-1	NA	ug/l						
TRG	8270E	Hexachlorobutadiene	87-68-3	NA	ug/l						
TRG	8270E	Hexachlorocyclopentadiene	77-47-4	NA	ug/l						
TRG	8270E	Hexachloroethane	67-72-1	NA	ug/l						
TRG	8270E	Indeno(1,2,3-C,D)Pyrene	193-39-5	NA	ug/l						
TRG	8270E	Isophorone	78-59-1	NA	ug/l						
TRG	8270E	Naphthalene	91-20-3	NA	ug/l						
TRG	8270E	Nitrobenzene	98-95-3	NA	ug/l						
TRG	8270E	N-Nitrosodi-N-Propylamine	621-64-7	NA	ug/l						
TRG	8270E	N-Nitrosodiphenylamine	86-30-6	NA	ug/l						
TRG	8270E	Pentachlorophenol	87-86-5	NA	ug/l						
TRG	8270E	Phenanthrene	85-01-8	NA	ug/l						
TRG	8270E	Phenol	108-95-2	NA	ug/l						
TRG	8270E	Pyrene	129-00-0	NA	ug/l						
TRG	8270E	Pyridine	110-86-1	NA	ug/l						
TRG	E1633	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	763051-92-9	T	ng/l						
TRG	E1633	1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	39108-34-4	T	ng/l						
TRG	E1633	1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	757124-72-4	T	ng/l						
TRG	E1633	1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	27619-97-2	T	ng/l						
TRG	E1633	2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	1691-99-2	T	ng/l						
TRG	E1633	2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	24448-09-7	T	ng/l						
TRG	E1633	2H,2H,3H,3H-Perfluorooctanoic acid	914637-49-3	T	ng/l						
TRG	E1633	3-Perfluoroheptyl propanoic acid	812-70-4	T	ng/l						
TRG	E1633	3-Perfluoropropyl propanoic acid	356-02-5	T	ng/l						
TRG	E1633	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	T	ng/l						
TRG	E1633	9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	756426-58-1	T	ng/l						
TRG	E1633	Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	T	ng/l						
TRG	E1633	N-ethyl perfluoro-1-octanesulfonamide	4151-50-2	T	ng/l						
TRG	E1633	N-ethyl perfluorooctanesulfonamidoacetic acid	2991-50-6	T	ng/l						
TRG	E1633	N-methyl perfluoro-1-octanesulfonamide	31506-32-8	T	ng/l						
TRG	E1633	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2355-31-9	T	ng/l						
TRG	E1633	Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	T	ng/l						
TRG	E1633	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	T	ng/l						
TRG	E1633	Perfluoro-3-methoxypropanoic acid	377-73-1	T	ng/l						
TRG	E1633	Perfluoro-4-methoxybutanoic acid	863090-89-5	T	ng/l						
TRG	E1633	Perfluorobutanesulfonic acid (PFBS)	375-73-5	T	ng/l						
TRG	E1633	Perfluorobutanoic Acid	375-22-4	T	ng/l						
TRG	E1633	Perfluorodecanesulfonic acid (PFDS)	335-77-3	T	ng/l						
TRG	E1633	Perfluorodecanoic acid (PFDA)	335-76-2	T	ng/l						
TRG	E1633	Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	T	ng/l						

Location ID Sample ID Matrix Lab Sample ID SDG Sample Date Sample Type Code						SVE-03 PINEAVE-016-03 WG 24D3027-03 24D3027 4/24/2024 N		SVE-03 PINEAVE-020-001 WG 24E1945-01 24E1945 5/14/2024 N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	E1633	Perfluorododecanoic acid (PFDoA)	307-55-1	T	ng/l				
TRG	E1633	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	T	ng/l				
TRG	E1633	Perfluoroheptanoic acid (PFHpA)	375-85-9	T	ng/l				
TRG	E1633	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	T	ng/l				
TRG	E1633	Perfluorohexanoic acid (PFHxA)	307-24-4	T	ng/l				
TRG	E1633	Perfluorononanesulfonic Acid (PFNS)	68259-12-1	T	ng/l				
TRG	E1633	Perfluorononanoic acid (PFNA)	375-95-1	T	ng/l				
TRG	E1633	Perfluorooctane Sulfonamide (FOSA)	754-91-6	T	ng/l				
TRG	E1633	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	T	ng/l				
TRG	E1633	Perfluorooctanoic acid (PFOA)	335-67-1	T	ng/l				
TRG	E1633	Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	T	ng/l				
TRG	E1633	Perfluoropentanoic Acid (PFPeA)	2706-90-3	T	ng/l				
TRG	E1633	Perfluorotetradecanoic acid (PFTA)	376-06-7	T	ng/l				
TRG	E1633	Perfluorotridecanoic Acid (PFTriA/PFTriDA)	72629-94-8	T	ng/l				
TRG	E1633	Perfluoroundecanoic Acid (PFUnA)	2058-94-8	T	ng/l				
TRG	E1633	Total Suspended Solids	TSS	T	mg/l				
TRG	E300.0	Chloride (As Cl)	16887-00-6	T	mg/l			28	
TRG	E300.0	Nitrogen, Nitrate (As N)	14797-55-8	T	mg/l			0.1	U
TRG	E300.0	Nitrogen, Nitrate-Nitrite	NO3NO2N	T	mg/l			0.1	U
TRG	E300.0	Nitrogen, Nitrite	14797-65-0	T	mg/l			0.1	U
TRG	E300.0	Sulfate (As SO4)	14808-79-8	T	mg/l			160	
TRG	RSK175	Ethane	74-84-0	T	mg/l			0.014	U
TRG	RSK175	Ethene	74-85-1	T	mg/l			0.017	U
TRG	RSK175	Methane	74-82-8	T	mg/l			0.0089	
TRG	SM53108	Total Organic Carbon	TOC	T	mg/l			2	
TRG	SW6010D	Aluminum	7429-90-5	T	mg/l				
TRG	SW6010D	Antimony	7440-36-0	T	mg/l				
TRG	SW6010D	Arsenic	7440-38-2	T	mg/l				
TRG	SW6010D	Barium	7440-39-3	T	mg/l				
TRG	SW6010D	Beryllium	7440-41-7	T	mg/l				
TRG	SW6010D	Cadmium	7440-43-9	T	mg/l				
TRG	SW6010D	Calcium	7440-70-2	T	mg/l				
TRG	SW6010D	Chromium, Total	7440-47-3	T	mg/l				
TRG	SW6010D	Cobalt	7440-48-4	T	mg/l				
TRG	SW6010D	Copper	7440-50-8	T	mg/l				
TRG	SW6010D	Iron	7439-89-6	T	mg/l				
TRG	SW6010D	Lead	7439-92-1	T	mg/l				
TRG	SW6010D	Magnesium	7439-95-4	T	mg/l				
TRG	SW6010D	Manganese	7439-96-5	D	mg/l			0.066	
TRG	SW6010D	Manganese	7439-96-5	T	mg/l			0.054	
TRG	SW6010D	Nickel	7440-02-0	T	mg/l				
TRG	SW6010D	Potassium	7440-09-7	T	mg/l				
TRG	SW6010D	Selenium	7782-49-2	T	mg/l				
TRG	SW6010D	Silver	7440-22-4	T	mg/l				
TRG	SW6010D	Sodium	7440-23-5	T	mg/l				
TRG	SW6010D	Thallium	7440-28-0	T	mg/l				
TRG	SW6010D	Vanadium	7440-62-2	T	mg/l				

					Location ID	SVE-03		SVE-03	
					Sample ID	PINEAVE-016-03		PINEAVE-020-001	
					Matrix	WG		WG	
					Lab Sample ID	24D3027-03		24E1945-01	
					SDG	24D3027		24E1945	
					Sample Date	4/24/2024		5/14/2024	
					Sample Type Code	N		N	
RESULT_TYPE_CODE	Analytical Method	Chemical Name	CAS RN	FRACTION	Unit				
TRG	SW6010D	Zinc	7440-66-6	T	mg/l				
TRG	SW7470A	Mercury	7439-97-6	T	mg/l				
TRG	SW8151A	2,4-(Dichlorophenoxy)butyric acid	94-82-6	NA	ug/l				
TRG	SW8151A	2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NA	ug/l				
TRG	SW8151A	Acetic acid, (2,4,5-trichlorophenoxy)-	93-76-5	NA	ug/l				
TRG	SW8151A	Dalapon	75-99-0	NA	ug/l				
TRG	SW8151A	Dicamba	1918-00-9	NA	ug/l				
TRG	SW8151A	Dichloroprop	120-36-5	NA	ug/l				
TRG	SW8151A	Dinoseb	88-85-7	NA	ug/l				
TRG	SW8151A	MCPA	94-74-6	NA	ug/l				
TRG	SW8151A	Mecoprop	93-65-2	NA	ug/l				
TRG	SW8151A	Silvex (2,4,5-TP)	93-72-1	NA	ug/l				
TRG	SW8270DSIM	1,4-Dioxane (P-Dioxane)	123-91-1	NA	ug/l				
TRG	SW9014	Cyanide	57-12-5	T	mg/l				

APPENDIX I – CERTIFIED SANBORN MAPS

Pine Avenue

2526 Pine Avenue

Niagara Falls, NY 14301

Inquiry Number: 3732083.3

September 19, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/19/13

Site Name:

Pine Avenue
2526 Pine Avenue
Niagara Falls, NY 14301

Client Name:

Parsons Engineering Science
301 Plainfield Road
Syracuse, NY 13212

EDR Inquiry # 3732083.3

Contact: Sara Weishaupt



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Certified Sanborn Results:

Site Name: Pine Avenue
Address: 2526 Pine Avenue
City, State, Zip: Niagara Falls, NY 14301
Cross Street:
P.O. # 448433.01000
Project: Pine Avenue RI/FS
Certification # 0C8B-4586-89B8



Sanborn® Library search results
Certification # 0C8B-4586-89B8

Maps Provided:

1985 1914
1979
1965
1958
1955
1950

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1985 Source Sheets



Volume 2, Sheet 91



Volume 2, Sheet 133

1979 Source Sheets



Volume 2, Sheet 91



Volume 2, Sheet 133

1965 Source Sheets



Volume 2, Sheet 91



Volume 2, Sheet 133

1958 Source Sheets



Volume 2, Sheet 91



Volume 2, Sheet 133

1955 Source Sheets



Volume 2, Sheet 133



Volume 2, Sheet 91

1950 Source Sheets



Volume 2, Sheet 91



Volume 2, Sheet 93



Volume 2, Sheet 94

1914 Source Sheets



Volume 1, Sheet 91



Volume 1, Sheet 93



Volume 1, Sheet 94

1985 Certified Sanborn Map



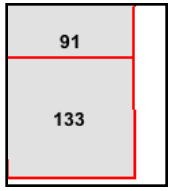
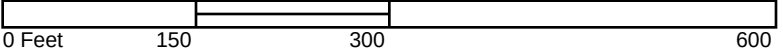
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Certification # OC8B-4586-89B8

Site Name: Pine Avenue
 Address: 2526 Pine Avenue
 City, ST, ZIP: Niagara Falls NY 14301
 Client: Parsons Engineering Science
 EDR Inquiry: 3732083.3
 Order Date: 9/19/2013 9:20:04 AM
 Certification #: OC8B-4586-89B8
 Copyright: 1985



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 Outlined areas indicate map sheets within the collection.



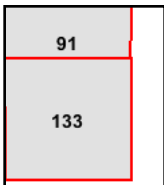
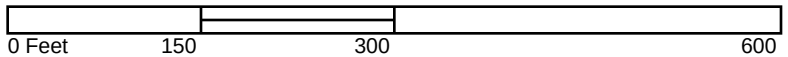
Volume 2, Sheet 91
 Volume 2, Sheet 133



1979 Certified Sanborn Map



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1965 Certified Sanborn Map



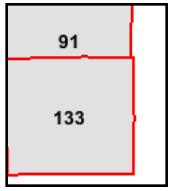
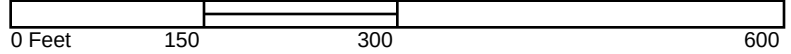
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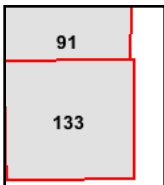
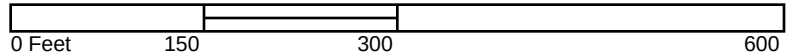
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Volume 2, Sheet 133



1958 Certified Sanborn Map



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 Volume 2, Sheet 133



1955 Certified Sanborn Map



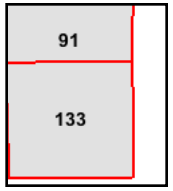
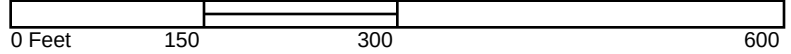
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Certification #: 0C8B-4586-89B8
Copyright: 1955



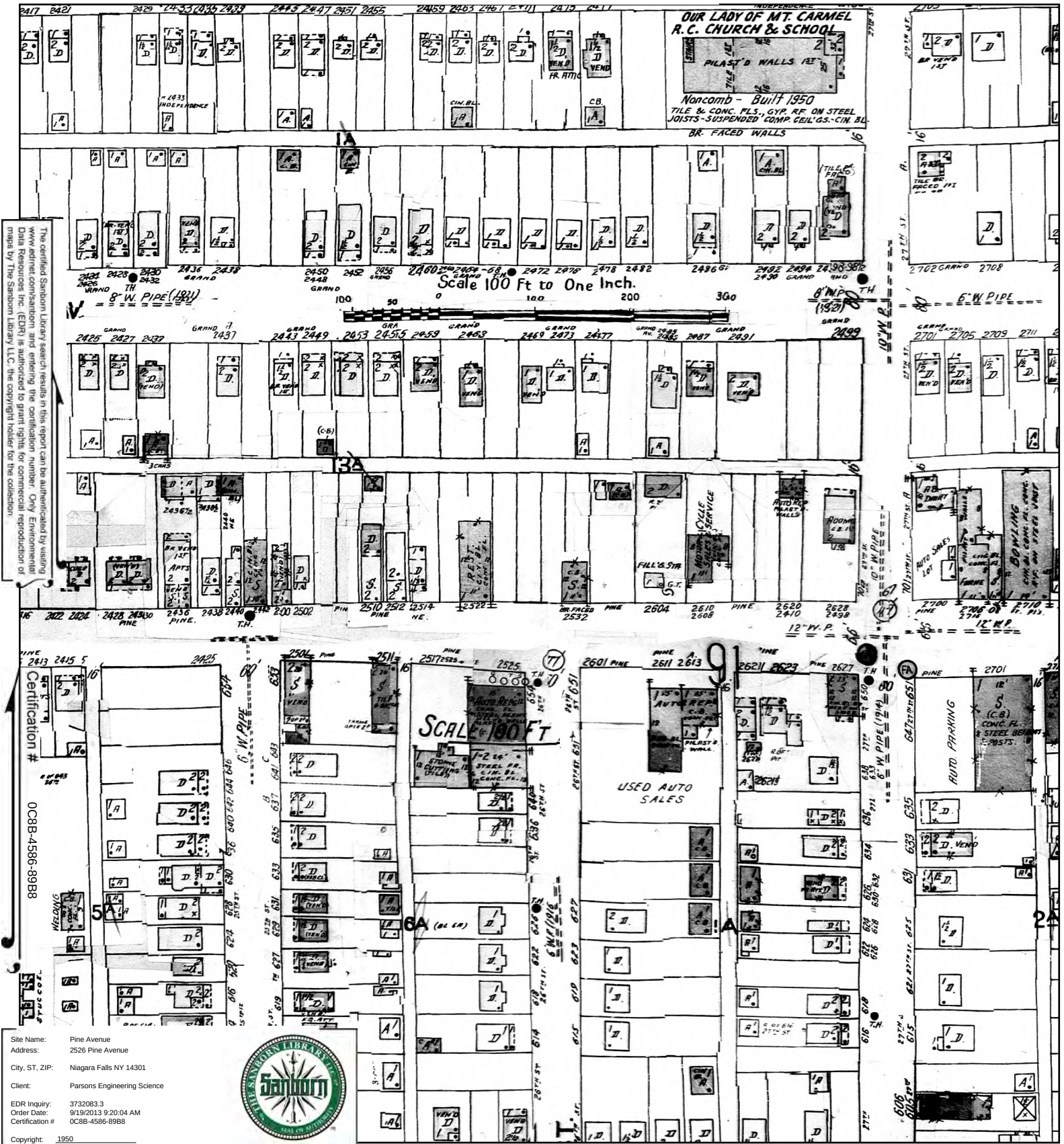
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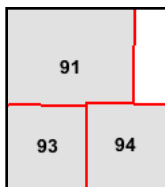
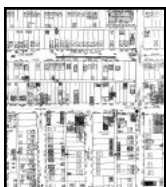
Volume 2, Sheet 133
Volume 2, Sheet 91



1950 Certified Sanborn Map



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Volume 2, Sheet 91
 Volume 2, Sheet 93
 Volume 2, Sheet 94

APPENDIX J – CLIMATE SCREENING CHECKLIST
