INVENTUM ENGINEERING, PC

November 16, 2022

To: Peter Linder, Danielle Shainbrown, Nicole Komin, Kevin Christner, Richard Lynn

From: Peter Zaffram

Re: Pre-Application Sub-Surface Site Investigation
Buffalo Foundry and Machine Campus 1901, LLC
750 East Ferry Street
Buffalo, New York

Scope of Work

On behalf of Buffalo Foundry and Machine Campus 1901, LLC (BFMC 1901) Inventum Engineering PC (Inventum), conducted a pre-application sub-surface site investigation at the Buffalo Foundry & Machine Park of Innovation located at 750 East Ferry Street, Buffalo, New York (Site). The purpose of the investigation was to collect sub-surface soil and groundwater data to support the application for entry of the Site into the New York State Brownfield Cleanup Program (BCP). The data collection during this investigation was conducted based on recommendations made by the New York State Department of Environmental Conservation (NYSDEC) Region 9 staff during the BCP Pre-application meeting.

The Site consists of approximately 14.53 acres located north of East Ferry Street, east of North Fillmore Avenue, and is developed with multiple structures. The existing structures occupy a majority of the Site with the remaining exterior portions consisting primarily of asphalt and gravel parking areas, driveways, and lawn space. The Site is bordered by:

- Railroad tracks immediately to the north with industrial properties located further north across the tracks;
- An Erie County Youth Services facility and water tower to the east;
- Residential properties adjacent to the Site to the south and commercial and manufacturing properties located further south beyond East Ferry Street; and,
- Residential and commercial properties including automotive repair facilities located to the west.

The Site has a history of heavy manufacturing dating back nearly 120 years. Based on the Site history and Inventum's experience with similar manufacturing facilities, samples were collected to identify the potential presence of metal constituents associated with various machining operations; semi-volatile organic compounds (SVOCs) and volatile organic compounds (VOCs) associated with long term industrial use; and Polychlorinated Biphenyls (PCBs) in areas where electrical transformers were historically present.

This memorandum provides a summary overview of field observations and lab data collected during the pre-application investigation conducted at the Site between July and September 2022.

Pre-Application Site Assessment Summary

The pre-application site assessment consisted of advancing soil borings, collecting soil samples, installation of monitoring wells, collection of groundwater samples, and associated analytical testing.

Soil Borings

Seventeen (17) soil borings were advanced at various depths across the Site by Earth Dimensions of Elma, New York (Figure 1). The soil boring locations were selected based on specific field observations. Soil borings (designated SB-##) were advanced at each location using a hollow-stem auger (HSA) equipment and samples were retrieved with a split-barrel sampler. Seventeen (17) soil borings were advanced at various depths across the Site. Soil borings were completed to maximum boring depth of fifteen (15) feet below ground surface (ft. BGS) or auger refusal, whichever was encountered first. Bedrock was encountered between approximately 13-14.5 ft. BGS on the western and southwestern side of the Site. All soil borings were classified in the field and screened with a Photoionization Detector (PID) equipped with a 10.6 electron volt (eV) lamp. Soil samples were collected at various depths based on field observations and PID readings from screened soil intervals. All downhole equipment was decontaminated between each boring and sample interval. All field observations and PID readings were recorded in a field book or on boring log sheets during the site investigation. Soil borings were backfilled with soil cuttings to grade and surface materials were replaced in kind at all but the five (5) soil boring locations in which monitoring wells were installed.

Monitoring Wells

Five (5) shallow depth monitoring wells were installed during the sub-surface investigation. Shallow wells were installed to allow sampling to assess groundwater flow and quality in the fill layer present across the majority of the proposed BCP site.

Shallow monitoring wells were constructed with a 2-inch diameter Schedule 40 polyvinyl chloride (PVC) well casing and 5-feet of 0.010-inch slotted 2-inch diameter screen depending on the depth of the clay surface in the boring. A sand filter pack was placed from the bottom of the boring to a minimum of 1 foot above the top of the screened interval. The remaining annular space was completed with a bentonite seal to within 6-inches of the ground surface. The well locations were completed with a flush mount steel casing, lid, and lockable cap. A concrete collar was placed to protect the well and casing. Monitoring Well locations and Soil Boring locations can be seen on Figure 1.

Soil Lithology

The upper layer of material at the soil boring locations consisted of four (4) to five (5) feet of industrial fill material (Fill Zone). The fill was characterized as a loose black fine to coarse grain sand and gravel with some crushed brick, stone, and concrete. The fill i moisture content was low (dry) and can be easily broken apart with hand pressure. Analytical samples collected from the Fill Zone are shown on Figure 2.

Below the fill layer, from approximately five (5) to twelve (12) feet BGS, there was a layer of gray silty clay (Upper Clay Zone). The silty clay was dry to moist, soft to medium soft, with low to medium plasticity. Fill material was observed in trace quantities in some locations. Analytical samples collected from the Upper Clay Zone are shown on Figure 3.

Below the Upper Clay Zone, from approximately twelve (12) to fifteen (15) feet BGS, there was a layer of brown to red silty clay (Lower Clay Zone). The silty clay was moist to saturated throughout, stiff to medium

stiff, with low to medium plasticity. Analytical samples collected from the Lower Clay Zone are shown on Figure 4.

Soil Analytical Results

Results from soil sample analyses collected during the site investigation are presented in Table 1. Results were compared against the Commercial and Industrial Use Soil Cleanup Objectives (SCOs) under 6 NYCRR Part 375.

Twenty-five (25) soil samples were collected from various depth intervals across the Site. All twenty-five (25) samples were analyzed for Target Analyte List (TAL) Metals via Environmental Protection Agency (EPA) Method SW6010, Mercury via EPA Method SW7471, and total solids. Thirteen (13) samples were PCBs via EPA Method 8082 from predetermined locations based on historic site use. Nine (9) samples were analyzed for Target Compound List (TCL) VOCs via EPA Method 5035A/8260C, and twenty-four (24) samples were analyzed for TCL SVOCs via EPA Method 8270D. Samples were analyzed by Alpha Analytical of Westborough, Massachusetts, a New York State accredited lab. Soil analytical results are shown in Table 1.

Metals

All twenty-five (25) soil samples for TAL Metals had detectable concentrations of metals. Of the twenty-five (25), two (2) samples had detections over commercial use SCOs:

- The sample collected from 6 to 8-feet BGS at SB-BCP-06 contained copper at a concentration of 376 milligrams per kilogram (mg/kg) above the Commercial SCO of 270 mg/kg.
- The sample collected from 8 to 10 feet BGS at SB-BCP-09 contained arsenic at a concentration of 16.8 mg/kg above the Industrial Use SCO of 16 mg/kg. The sample also contained lead at a concentration of 1,850 mg/kg above the Commercial Use SCO of 1,000 mg/kg.

Mercury

Mercury was detected in thirteen (13) of the twenty-five (25) samples at a range of 0.052 mg/kg to 3.67 mg/kg. Of the thirteen (13) detections, one (1) exceeded the Commercial Use SCO:

- The sample collected from 8 to 9 -feet BGS at SB-BCP-12 contained mercury at a concentration of 3.67 mg/kg above the Commercial SCO of 2.8 mg/kg.

Polychlorinated Biphenyls (PCBS)

A total of thirteen (13) PCB samples were collected during the sub-surface investigation and two (2) of the thirteen (13) samples had low concentration PCB detections. None of the samples contained PCBs at concentrations of the Commercial (1,000 micrograms per kilogram [ug/kg]) or Industrial Use (25,000 ug/kg) SCO.

- The sample collected from 0 to 2-feet BGS at SB-BCP-09 contained PCB-1254 at an estimated concentration of 40 ug/kg and PCB-1260 at an estimated concentration of 34.2 ug/kg.
- The sample collected from 0 to 4-feet BGS at SB-BCP-10 contained PCB-1260 at an estimated concentration of 34.8 ug/kg and PCB-1268 at an estimated concentration of 12 ug/kg.

Semi-Volatile Organic Compounds (SVOCs)

Six (6) of the twenty-four (24) samples collected contained SVOCs at concentrations above the Commercial or Industrial Use SCO (Table 1; Figure 2 and Figure 3). The SVOCs detected above SCO's were primarily polyaromatic hydrocarbons (PAH's):

- Benzo(a)anthracene was detected above the Industrial Use SCO (11,000 ug/kg) at MW-BCP-07A from 0 to 2-feet BGS(14,000 ug/kg) and at MW-BCP-11A from 2 to 4-feet BGS (19,000 ug/kg).

- Benzo(A)Pyrene was detected above the Industrial Use SCO (1,100 ug/kg) at SB-BCP-01 from 2 to 4- feet BGS (1,100 ug/kg), at MW-BCP-03A from 2 to 4-BGS (5,000 ug/kg), at MW-BCP-07A from 0 to 2-feet BGS (18,000 ug/kg), at SB-BCP-09 from 0 to 2-feet BGS (4,400 ug/kg), at SB-BCP-10 from 0 to 4 feet BGS (2,200 ug/kg), and at MW-BCP-11A from 2 to 4-feet BGS (17,000 ug/kg).

- Benzo(B)Fluoranthene was detected above the Industrial Use SCO (11,000 ug/kg) at MW-BCP-03A from 2 to 4-BGS (11,000 ug/kg), at MW-BCP-07A from 0 to 2-feet BGS (23,000 ug/kg), and at MW-BCP-11A from 2 to 4-feet BGS (19,000 ug/kg). Benzo(B)Fluoranthene was detected above the Commercial Use SCO (5,600 ug/kg) at SB-BCP-09 from 0 to 2-feet BGS (7,200 ug/kg).

- Dibenz(A,H)Anthracene was detected above the Industrial Use SCO (1,100 ug/kg) at MW-BCP-03A from 2 to 4-BGS (1,900 ug/kg), at MW-BCP-07A from 0 to 2-feet BGS (2,700 ug/kg), and at MW-BCP-11A from 2 to 4-feet BGS (1,700 ug/kg). Dibenz(A,H)Anthracene was detected above the Commercial Use SCO (560 ug/kg) at SB-BCP-09 from 0 to 2-feet BGS (810 ug/kg).

- Indeno(1,2,3-C,D)Pyrene was detected above the Industrial Use SCO (11,000 ug/kg) at MW-BCP-07A from 0 to 2-feet BGS (13,000 ug/kg), and above Commercial Use SCO (5,600 ug/kg) at MW-BCP-03A from 2 to 4-BGS (6,200 ug/kg), and at MW-BCP-11A from 2 to 4-feet BGS (8,400 ug/kg).

Volatile Organic Compounds (VOCs)

Of the nine (9) VOC samples collected there were no detections above Commercial or Industrial Use SCOs. Several VOCs, including benzene, ethylbenzene, toluene, and vinyl chloride, were detected at low concentrations (Table 1).

Groundwater Analytical Results

Five (5) monitoring wells were installed at pre-determined locations across the site as shown on Figure 1. The monitoring wells were developed and purged after installation and prior to sampling. Groundwater samples were collected using a peristaltic pump and dedicated tubing. A minimum of three (3) well volumes were purged from the wells prior to sampling. Field parameters (pH, temperature, conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential) were monitored during the purge process and recorded on field forms.

Groundwater samples were collected from four (4) of the five (5) monitoring wells and analyzed for TCL VOCs via EPA Method 8260C, SVOCs via EPA Method 8270D, TAL Metals via EPA Method SW6010, and Mercury via EPA Method SW7470. Monitoring well MW-BCP-07A did not yield groundwater and was not sampled during this round of sampling.

Groundwater sample results are shown on Table 2 and compared against the Ambient Water Quality Standards and Guidance Values for Class GA groundwater (Class GA) under 6 NYCRR Part 703.

Metals

All four (4) well samples contained concentrations of metals above the Class GA standards:

- MW-BCP-11A had detections of Chromium, Total, Iron, Lead, Magnesium, Manganese, Sodium, and Thallium above Class GA standards;
- MW-BCP-02A had detections of Iron, Lead, Magnesium, and Manganese above Class GA standards;
- MW-BCP-03A had detections of Arsenic, Barium, Beryllium, Cadmium, Chromium, Total, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Selenium, Sodium, Thallium, and Zinc above Class GA standards.
- MW-BCP-03A contained Mercury at a concentration (47.25 micrograms per liter [ug/L]) over 65 times the Class GA standard (0.7 ug/L); and
- MW-BCP-13A had detections of Iron, Lead, Magnesium, and Sodium above Class GA standards.

Semi-Volatile Organic Compounds (SVOCs)

All four (4) well samples contained concentrations of SVOCs (primarily PAHs) above the Class GA standards:

- MW-BCP-11A had detections of Benzo(A)Anthracene, Benzo(B)Fluoranthene, Benzo(K)Fluoranthene, Chrysene, and Indeno(1,2,3-C,D)Pyrene above Class GA standards;
- MW-BCP-02A had detections of Benzo(A)Anthracene, Benzo(B)Fluoranthene, Benzo(K)Fluoranthene, Chrysene, and Indeno(1,2,3-C,D)Pyrene above Class GA standards;
- MW-BCP-03A had detections of Benzo(A)Anthracene, Benzo(B)Fluoranthene, Benzo(K)Fluoranthene, Bis(2-Ethylhexyl) Phthalate, Chrysene, and Indeno(1,2,3-C,D) Pyrene, Phenanthrene, and Pyrene above above Class GA standards; and
- MW-BCP-13A had detections of Benzo(A)Anthracene, Benzo(B)Fluoranthene, Benzo(K)Fluoranthene, Chrysene, and Indeno(1,2,3-C,D)Pyrene above Class GA standards.

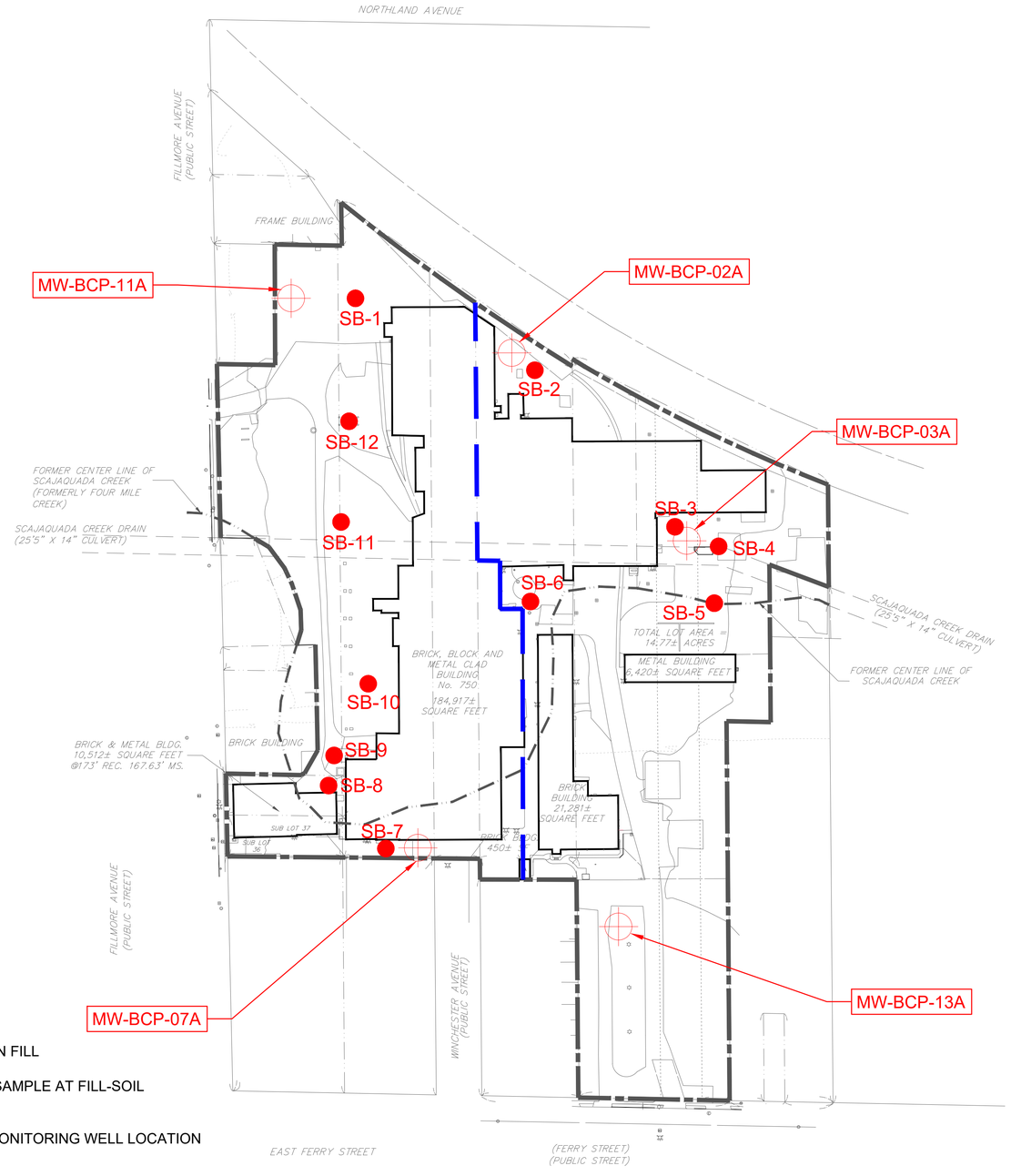
Volatile Organic Compounds (VOCs)

No VOCs were detected at concentrations above Class GA standards. Methylcyclohexane was the only VOC detected and only at an estimated concentration of 0.42 ug/L at MW-BCP-11A.

Closing

The data collected during the pre-application sub-surface site investigation provides additional qualified evidence for application of the Site into the BCP. Metals and SVOCs were detected in both soil and groundwater at concentrations exceeding NYSDEC comparative standards. All work was conducted in accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* and meet the requirements for a use within a Remedial Investigation (RI) under the BCP.

Figures



LEGEND

MONITORING WELL

SOIL BORING

NOTES

SITE INVESTIGATION SUMMARY:

1. FIVE (5) 2 IN DIA. WELLS, 10 FT BGS, SCREEN IN FILL COMPLETED WELL INSTALLATION 7/18/2022
2. TWELVE (12) BORINGS, MAXIMUM 10 FT BGS. SAMPLE AT FILL-SOIL INTERFACE SB1 - SB12 7/18/2022
3. FIVE ADDITIONAL BORINGS TAKEN AT EACH MONITORING WELL LOCATION COMPLETED BY 7/18/2022

REFERENCES:

1. TRUE NORTH LAND SURVEYING, PLLC, SURVEY OF 750 EAST FERRY STREET, CIT OF BUFFALO, MARCH 15TH, 2022
2. RICHARD A. BUI & ASSOCIATES INC., PHASE II ENVIRONMENTAL ASSESSMENT, AUGUST 2, 2001

D

1" = 100'

100' 50' 0' 100'

N

DRAWING BY	RB
CHECKED	
APPROVED	

INVESTIGATION SAMPLE LOCATIONS

BFMC 1901, LLC

BUFFALO FOUNDRY &

MACHINE PARK OF INNOVATION

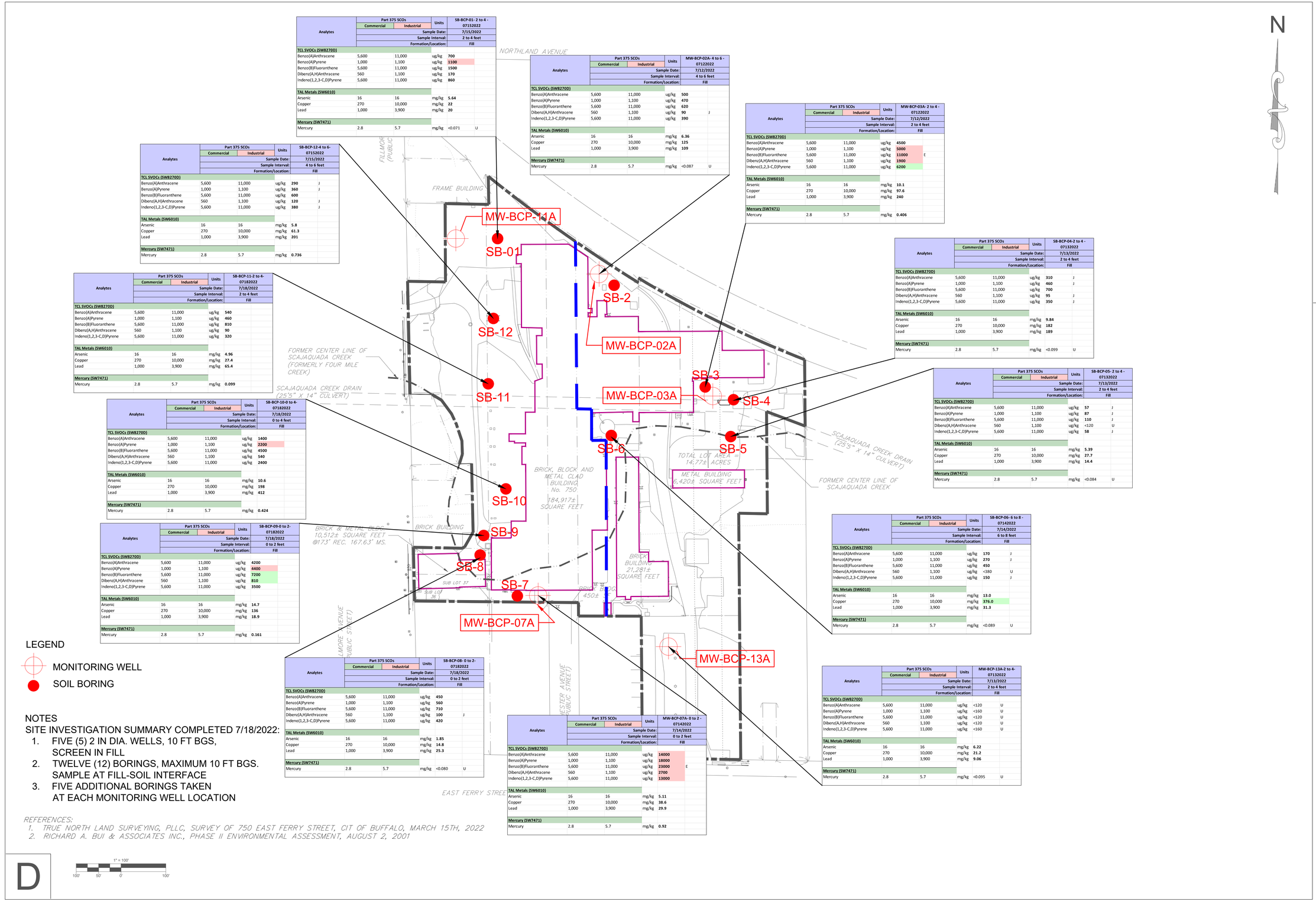
750 EAST FERRY STREET

BUFFALO, NEW YORK 14211

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

FIGURE 1

DRAWING NUMBER



Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-01- 2 to 4 - 07152022
		Sample Date:		7/15/2022
		Sample Interval:		2 to 4 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**700**
Benzo(A)Pyrene	1,000	1,100	ug/kg	**1100**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**1500**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**170**
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**860**
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**5.64**
Copper	270	10,000	mg/kg	**22**
Lead	1,000	3,900	mg/kg	**20**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	<0.071 U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	MW-BCP-02A- 4 to 6 - 07122022
		Sample Date:		7/12/2022
		Sample Interval:		4 to 6 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**500**
Benzo(A)Pyrene	1,000	1,100	ug/kg	**470**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**620**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**90** J
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**390**
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**6.36**
Copper	270	10,000	mg/kg	**125**
Lead	1,000	3,900	mg/kg	**109**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	<0.087 U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	MW-BCP-03A- 2 to 4 - 07122022
		Sample Date:		7/12/2022
		Sample Interval:		2 to 4 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**4500**
Benzo(A)Pyrene	1,000	1,100	ug/kg	**5000**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**11000** E
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**1900**
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**6200**
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**10.1**
Copper	270	10,000	mg/kg	**97.6**
Lead	1,000	3,900	mg/kg	**240**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	**0.406**

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-04-2 to 4 - 07132022
		Sample Date:		7/13/2022
		Sample Interval:		2 to 4 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**310** J
Benzo(A)Pyrene	1,000	1,100	ug/kg	**460** J
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**700**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**95** J
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**350** J
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**9.84**
Copper	270	10,000	mg/kg	**182**
Lead	1,000	3,900	mg/kg	**189**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	<0.099 U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-05- 2 to 4 - 07132022
		Sample Date:		7/13/2022
		Sample Interval:		2 to 4 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**57** J
Benzo(A)Pyrene	1,000	1,100	ug/kg	**87** J
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**110** J
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<120 U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**58** J
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**5.39**
Copper	270	10,000	mg/kg	**27.7**
Lead	1,000	3,900	mg/kg	**14.4**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	<0.084 U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-06- 6 to 8 - 07142022
		Sample Date:		7/14/2022
		Sample Interval:		6 to 8 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**170** J
Benzo(A)Pyrene	1,000	1,100	ug/kg	**270** J
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**450**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<380 U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**150** J
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**13.0**
Copper	270	10,000	mg/kg	**376.0**
Lead	1,000	3,900	mg/kg	**31.3**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	<0.089 U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-12-4 to 6- 07152022
		Sample Date:		7/15/2022
		Sample Interval:		4 to 6 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**290** J
Benzo(A)Pyrene	1,000	1,100	ug/kg	**360** J
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**600**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**120** J
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**380** J
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**5.8**
Copper	270	10,000	mg/kg	**61.3**
Lead	1,000	3,900	mg/kg	**201**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	**0.736**

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-11-2 to 4- 07182022
		Sample Date:		7/18/2022
		Sample Interval:		2 to 4 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**540**
Benzo(A)Pyrene	1,000	1,100	ug/kg	**460**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**810**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**90**
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**320**
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**4.96**
Copper	270	10,000	mg/kg	**27.4**
Lead	1,000	3,900	mg/kg	**65.4**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	**0.099**

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-10-0 to 4- 07182022
		Sample Date:		7/18/2022
		Sample Interval:		0 to 4 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**1400**
Benzo(A)Pyrene	1,000	1,100	ug/kg	**2200**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**4500**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**540**
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**2400**
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**10.6**
Copper	270	10,000	mg/kg	**198**
Lead	1,000	3,900	mg/kg	**412**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	**0.424**

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-09-0 to 2- 07182022
		Sample Date:		7/18/2022
		Sample Interval:		0 to 2 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**4200**
Benzo(A)Pyrene	1,000	1,100	ug/kg	**4400**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**7200**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**810**
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**3500**
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**14.7**
Copper	270	10,000	mg/kg	**136**
Lead	1,000	3,900	mg/kg	**18.9**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	**0.161**

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-08- 0 to 2- 07182022
		Sample Date:		7/18/2022
		Sample Interval:		0 to 2 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**450**
Benzo(A)Pyrene	1,000	1,100	ug/kg	**560**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**710**
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**100** J
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**420**
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**1.85**
Copper	270	10,000	mg/kg	**14.8**
Lead	1,000	3,900	mg/kg	**25.3**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	<0.080 U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	MW-BCP-07A- 0 to 2 - 07142022
		Sample Date:		7/14/2022
		Sample Interval:		0 to 2 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	**14000**
Benzo(A)Pyrene	1,000	1,100	ug/kg	**19000**
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**23000** E
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**2700**
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**13000**
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**5.11**
Copper	270	10,000	mg/kg	**38.6**
Lead	1,000	3,900	mg/kg	**29.9**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	**0.92**

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	MW-BCP-13A-2 to 4- 07132022
		Sample Date:		7/13/2022
		Sample Interval:		2 to 4 feet
		Formation/Location:		Fill
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	5,600	11,000	ug/kg	<120 U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<160 U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<120 U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<120 U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<160 U
TAL Metals (SW6010)				
Arsenic	16	16	mg/kg	**6.22**
Copper	270	10,000	mg/kg	**21.2**
Lead	1,000	3,900	mg/kg	**9.06**
Mercury (SW7471)				
Mercury	2.8	5.7	mg/kg	<0.095 U

LEGEND

- MONITORING WELL
- SOIL BORING

NOTES

SITE INVESTIGATION SUMMARY COMPLETED 7/18/2022:

1. FIVE (5) 2 IN DIA. WELLS, 10 FT BGS, SCREEN IN FILL
2. TWELVE (12) BORINGS, MAXIMUM 10 FT BGS. SAMPLE AT FILL-SOIL INTERFACE
3. FIVE ADDITIONAL BORINGS TAKEN AT EACH MONITORING WELL LOCATION

REFERENCES:

1. TRUE NORTH LAND SURVEYING, PLLC, SURVEY OF 750 EAST FERRY STREET, CIT OF BUFFALO, MARCH 15TH, 2022
2. RICHARD A. BUI & ASSOCIATES INC., PHASE II ENVIRONMENTAL ASSESSMENT, AUGUST 2, 2001

D

1" = 100'
100' 50' 0' 100'

N

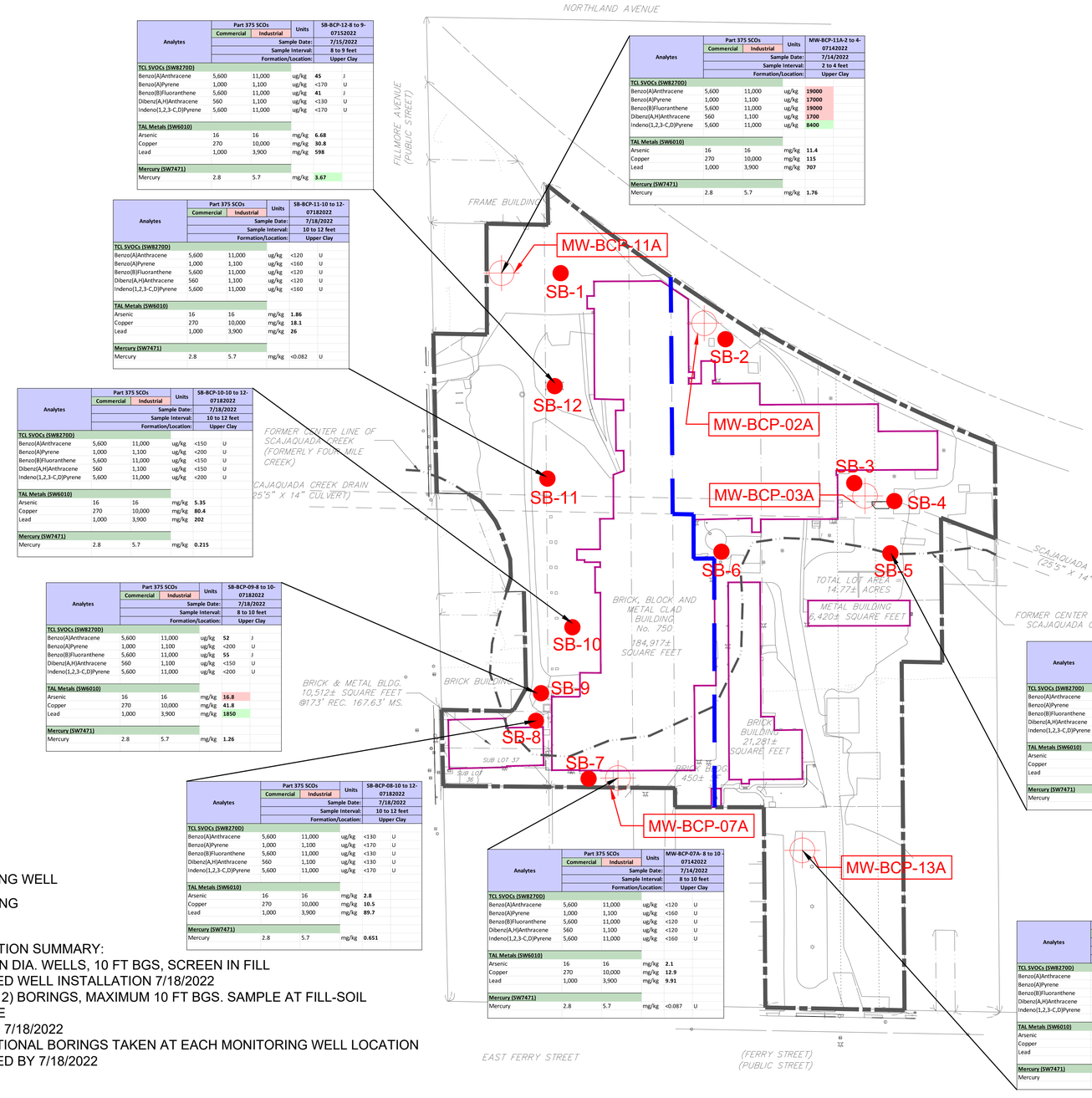
DRAWING BY: RB
CHECKED:
APPROVED:

FILL ZONE SOIL DATA
BFMC
BUFFALO FOUNDRY & MACHINE PARK OF INNOVATION
750 EAST FERRY STREET
BUFFALO, NEW YORK 14211

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

FIGURE 2

DRAWING NUMBER



Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-12-8 to 9-07152022	
Sample Date:				7/15/2022	
Sample Interval:				8 to 9 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	45	J
Benzo(A)Pyrene	1,000	1,100	ug/kg	<170	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	41	J
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<130	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<170	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	6.68	
Copper	270	10,000	mg/kg	30.8	
Lead	1,000	3,900	mg/kg	598	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	3.67	

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	MW-BCP-11A-2 to 4-07142022	
Sample Date:				7/14/2022	
Sample Interval:				2 to 4 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	19000	
Benzo(A)Pyrene	1,000	1,100	ug/kg	17000	
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	19000	
Dibenz(A,H)Anthracene	560	1,100	ug/kg	1700	
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	8400	
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	11.4	
Copper	270	10,000	mg/kg	115	
Lead	1,000	3,900	mg/kg	707	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	1.76	

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-11-10 to 12-07182022	
Sample Date:				7/18/2022	
Sample Interval:				10 to 12 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	<120	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<160	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<120	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<120	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<160	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	1.86	
Copper	270	10,000	mg/kg	18.1	
Lead	1,000	3,900	mg/kg	26	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	<0.082	U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-10-10 to 12-07182022	
Sample Date:				7/18/2022	
Sample Interval:				10 to 12 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	<150	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<200	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<150	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<150	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<200	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	5.35	
Copper	270	10,000	mg/kg	80.4	
Lead	1,000	3,900	mg/kg	202	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	0.215	

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-09-8 to 10-07182022	
Sample Date:				7/18/2022	
Sample Interval:				8 to 10 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	52	J
Benzo(A)Pyrene	1,000	1,100	ug/kg	<200	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	55	J
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<150	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<200	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	16.8	
Copper	270	10,000	mg/kg	41.8	
Lead	1,000	3,900	mg/kg	1850	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	1.26	

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-08-10 to 12-07182022	
Sample Date:				7/18/2022	
Sample Interval:				10 to 12 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	<130	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<170	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<130	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<130	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<170	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	2.8	
Copper	270	10,000	mg/kg	10.5	
Lead	1,000	3,900	mg/kg	89.7	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	0.651	

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	MW-BCP-07A- 8 to 10 - 07142022	
Sample Date:				7/14/2022	
Sample Interval:				8 to 10 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	<120	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<160	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<120	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<120	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<160	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	2.1	
Copper	270	10,000	mg/kg	12.9	
Lead	1,000	3,900	mg/kg	9.91	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	<0.087	U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	SB-BCP-05- 8 to 10 - 07132022	
Sample Date:				7/13/2022	
Sample Interval:				8 to 10 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	<120	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<120	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<120	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<120	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<150	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	3.11	
Copper	270	10,000	mg/kg	12.5	
Lead	1,000	3,900	mg/kg	9.63	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	<0.086	U

Analytes	Part 375 SCOs: Commercial	Part 375 SCOs: Industrial	Units	MW-BCP-13A-10 to 12-07132022	
Sample Date:				7/13/2022	
Sample Interval:				10 to 12 feet	
Formation/Location:				Upper Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	<120	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<160	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<120	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<120	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<160	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	2.56	
Copper	270	10,000	mg/kg	11	
Lead	1,000	3,900	mg/kg	9.85	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	<0.081	U

LEGEND

- MONITORING WELL
- SOIL BORING

NOTES

SITE INVESTIGATION SUMMARY:

1. FIVE (5) 2 IN DIA. WELLS, 10 FT BGS, SCREEN IN FILL COMPLETED WELL INSTALLATION 7/18/2022
2. TWELVE (12) BORINGS, MAXIMUM 10 FT BGS. SAMPLE AT FILL-SOIL INTERFACE
   SB1 - SB12 7/18/2022
3. FIVE ADDITIONAL BORINGS TAKEN AT EACH MONITORING WELL LOCATION COMPLETED BY 7/18/2022

REFERENCES:

1. TRUE NORTH LAND SURVEYING, PLLC, SURVEY OF 750 EAST FERRY STREET, CIT OF BUFFALO, MARCH 15TH, 2022
2. RICHARD A. BUI & ASSOCIATES INC., PHASE II ENVIRONMENTAL ASSESSMENT, AUGUST 2, 2001

D

1" = 100'

100' 50' 0' 100'

N

DRAWING BY: RB
CHECKED:
APPROVED:

UPPER CLAY ZONE SOIL DATA

BFMC 1901, LLC
BUFFALO FOUNDRY & MACHINE PARK OF INNOVATION
750 EAST FERRY STREET
BUFFALO, NEW YORK 14211

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441 CARLISLE DRIVE
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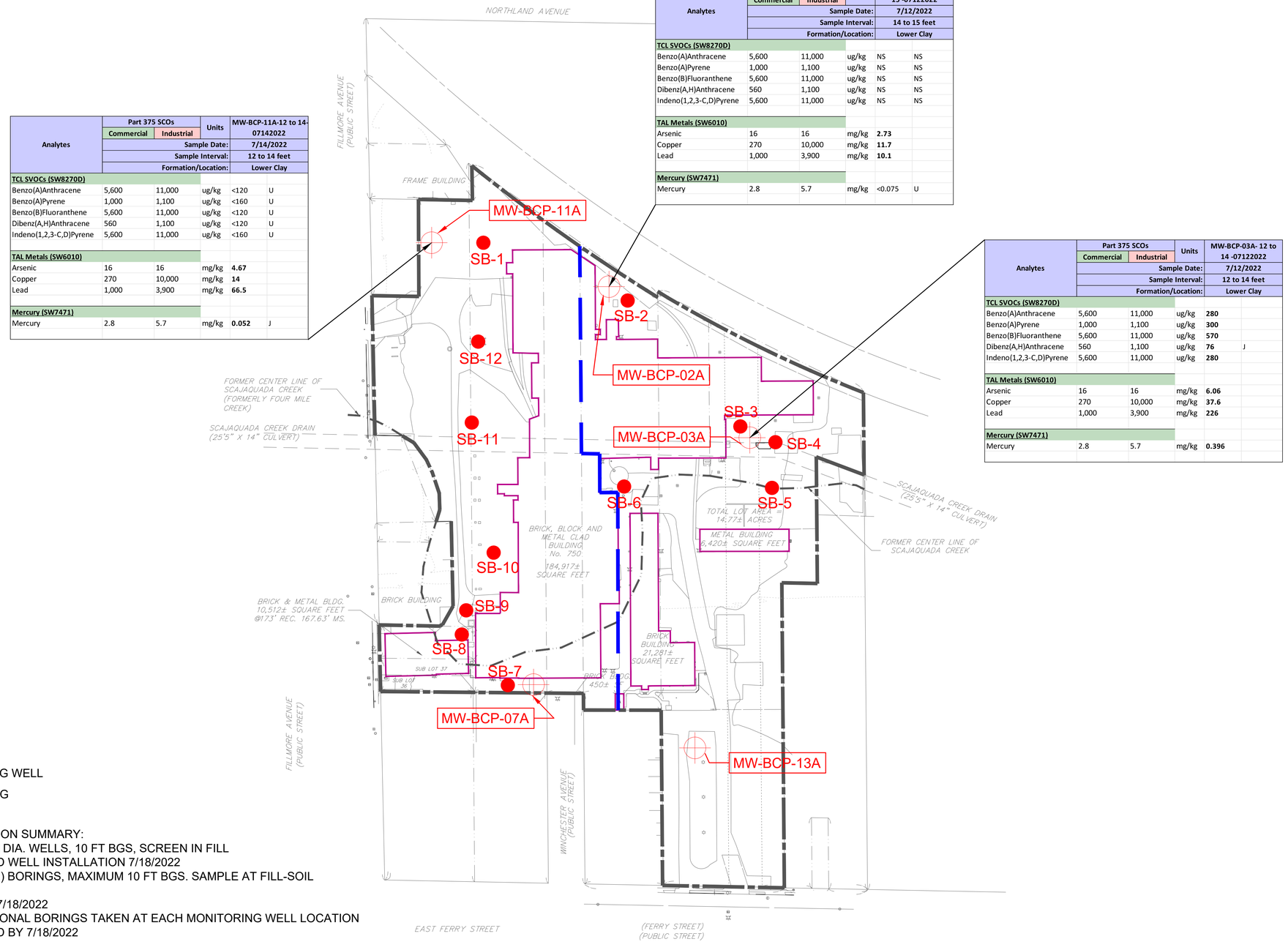
FIGURE 3

DRAWING NUMBER



Analytes	Part 375 SCOs		Units	MW-BCP-11A-12 to 14-07142022	
	Commercial	Industrial			
Sample Date:				7/14/2022	
Sample Interval:				12 to 14 feet	
Formation/Location:				Lower Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	<120	U
Benzo(A)Pyrene	1,000	1,100	ug/kg	<160	U
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	<120	U
Dibenz(A,H)Anthracene	560	1,100	ug/kg	<120	U
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	<160	U
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	**4.67**	
Copper	270	10,000	mg/kg	**14**	
Lead	1,000	3,900	mg/kg	**66.5**	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	**0.052**	J

Analytes	Part 375 SCOs		Units	MW-BCP-02A- 14 to 15 -07122022	
	Commercial	Industrial			
Sample Date:				7/12/2022	
Sample Interval:				14 to 15 feet	
Formation/Location:				Lower Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	NS	NS
Benzo(A)Pyrene	1,000	1,100	ug/kg	NS	NS
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	NS	NS
Dibenz(A,H)Anthracene	560	1,100	ug/kg	NS	NS
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	NS	NS
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	**2.73**	
Copper	270	10,000	mg/kg	**11.7**	
Lead	1,000	3,900	mg/kg	**10.1**	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	<0.075	U

Analytes	Part 375 SCOs		Units	MW-BCP-03A- 12 to 14 -07122022	
	Commercial	Industrial			
Sample Date:				7/12/2022	
Sample Interval:				12 to 14 feet	
Formation/Location:				Lower Clay	
TCL SVOCs (SW8270D)					
Benzo(A)Anthracene	5,600	11,000	ug/kg	**280**	
Benzo(A)Pyrene	1,000	1,100	ug/kg	**300**	
Benzo(B)Fluoranthene	5,600	11,000	ug/kg	**570**	
Dibenz(A,H)Anthracene	560	1,100	ug/kg	**76**	J
Indeno(1,2,3-C,D)Pyrene	5,600	11,000	ug/kg	**280**	
TAL Metals (SW6010)					
Arsenic	16	16	mg/kg	**6.06**	
Copper	270	10,000	mg/kg	**37.6**	
Lead	1,000	3,900	mg/kg	**226**	
Mercury (SW7471)					
Mercury	2.8	5.7	mg/kg	**0.396**	

LEGEND

- MONITORING WELL
- SOIL BORING

NOTES

SITE INVESTIGATION SUMMARY:

1. FIVE (5) 2 IN DIA. WELLS, 10 FT BGS, SCREEN IN FILL COMPLETED WELL INSTALLATION 7/18/2022
2. TWELVE (12) BORINGS, MAXIMUM 10 FT BGS. SAMPLE AT FILL-SOIL INTERFACE SB1 - SB12 7/18/2022
3. FIVE ADDITIONAL BORINGS TAKEN AT EACH MONITORING WELL LOCATION COMPLETED BY 7/18/2022

REFERENCES:

1. TRUE NORTH LAND SURVEYING, PLLC, SURVEY OF 750 EAST FERRY STREET, CIT OF BUFFALO, MARCH 15TH, 2022
2. RICHARD A. BUI & ASSOCIATES INC., PHASE II ENVIRONMENTAL ASSESSMENT, AUGUST 2, 2001

1" = 100'

100' 50' 0' 100'

D

N

DRAWING BY RB
CHECKED
APPROVED

LOWER CLAY ZONE SOIL DATA

BFMC 1901, LLC

BUFFALO FOUNDRY &

MACHINE PARK OF INNOVATION

750 EAST FERRY STREET

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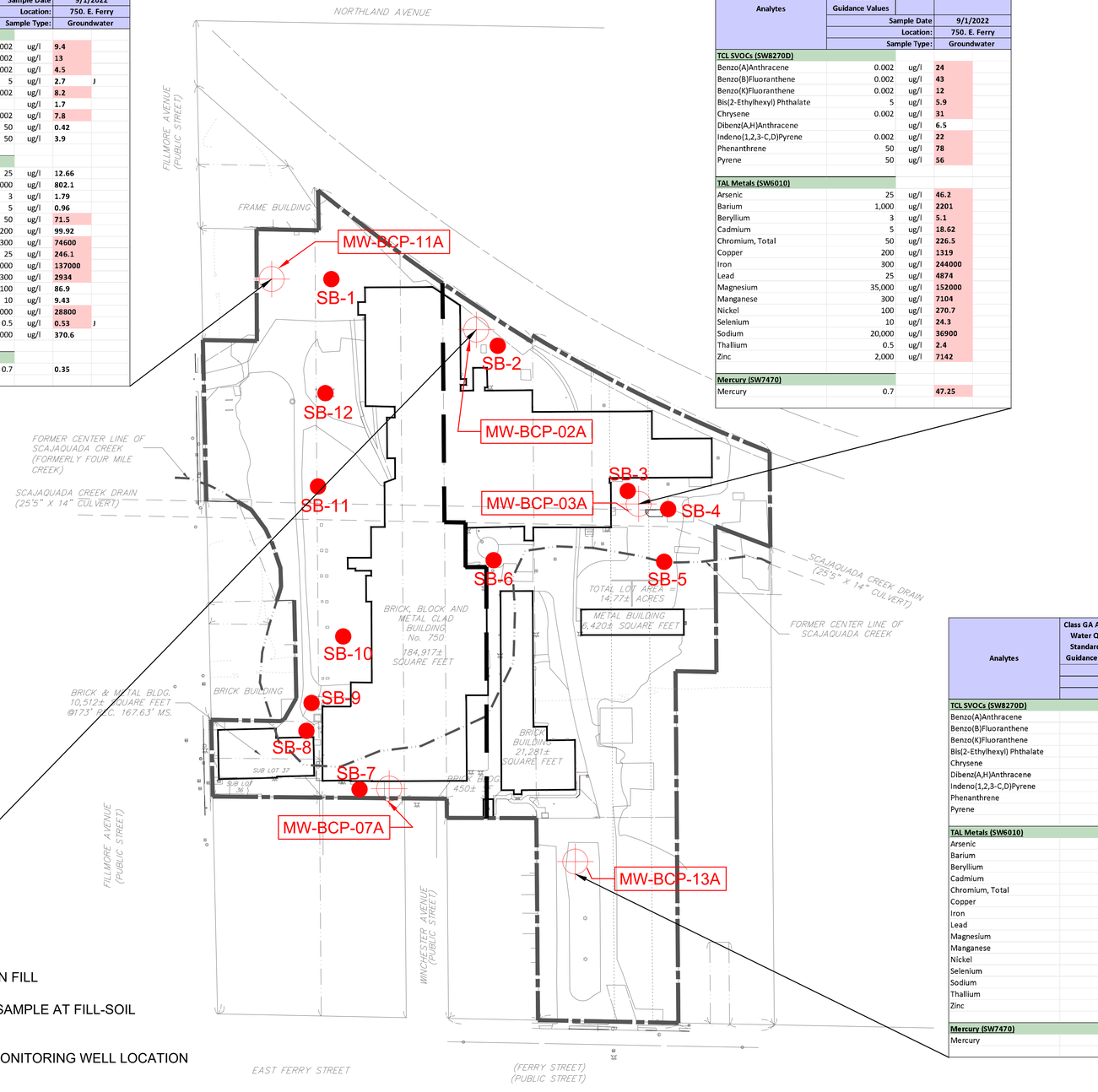
FIGURE 4

DRAWING NUMBER

Analytes	Class GA Ambient Water Quality Standards and Guidance Values	Units	MW-BCP-11A	
Sample Date			9/1/2022	
Location:			750. E. Ferry	
Sample Type:			Groundwater	
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	0.002	ug/l	**9.4**	
Benzo(B)Fluoranthene	0.002	ug/l	**13**	
Benzo(K)Fluoranthene	0.002	ug/l	**4.5**	
Bis(2-Ethylhexyl) Phthalate	5	ug/l	**2.7**	J
Chrysene	0.002	ug/l	**8.2**	
Dibenz(A,H)Anthracene		ug/l	**1.7**	
Indeno(1,2,3-C,D)Pyrene	0.002	ug/l	**7.8**	
Phenanthrene	50	ug/l	**0.42**	
Pyrene	50	ug/l	**3.9**	
TAL Metals (SW6010)				
Arsenic	25	ug/l	**12.66**	
Barium	1,000	ug/l	**802.1**	
Beryllium	3	ug/l	**1.79**	
Cadmium	5	ug/l	**0.96**	
Chromium, Total	50	ug/l	**71.5**	
Copper	200	ug/l	**99.92**	
Iron	300	ug/l	**74600**	
Lead	25	ug/l	**246.1**	
Magnesium	35,000	ug/l	**137000**	
Manganese	300	ug/l	**2934**	
Nickel	100	ug/l	**86.9**	
Selenium	10	ug/l	**9.43**	
Sodium	20,000	ug/l	**28800**	
Thallium	0.5	ug/l	**0.53**	J
Zinc	2,000	ug/l	**370.6**	
Mercury (SW7470)				
Mercury	0.7		**0.35**	

Analytes	Class GA Ambient Water Quality Standards and Guidance Values	Units	MW-BCP-03A
Sample Date			9/1/2022
Location:			750. E. Ferry
Sample Type:			Groundwater
TCL SVOCs (SW8270D)			
Benzo(A)Anthracene	0.002	ug/l	**24**
Benzo(B)Fluoranthene	0.002	ug/l	**43**
Benzo(K)Fluoranthene	0.002	ug/l	**12**
Bis(2-Ethylhexyl) Phthalate	5	ug/l	**5.9**
Chrysene	0.002	ug/l	**31**
Dibenz(A,H)Anthracene		ug/l	**6.5**
Indeno(1,2,3-C,D)Pyrene	0.002	ug/l	**22**
Phenanthrene	50	ug/l	**78**
Pyrene	50	ug/l	**56**
TAL Metals (SW6010)			
Arsenic	25	ug/l	**46.2**
Barium	1,000	ug/l	**2201**
Beryllium	3	ug/l	**5.1**
Cadmium	5	ug/l	**18.62**
Chromium, Total	50	ug/l	**226.5**
Copper	200	ug/l	**1319**
Iron	300	ug/l	**244000**
Lead	25	ug/l	**4874**
Magnesium	35,000	ug/l	**152000**
Manganese	300	ug/l	**7104**
Nickel	100	ug/l	**270.7**
Selenium	10	ug/l	**24.3**
Sodium	20,000	ug/l	**36900**
Thallium	0.5	ug/l	**2.4**
Zinc	2,000	ug/l	**7142**
Mercury (SW7470)			
Mercury	0.7		**47.25**

Analytes	Class GA Ambient Water Quality Standards and Guidance Values	Units	MW-BCP-02A	
Sample Date			9/1/2022	
Location:			750. E. Ferry	
Sample Type:			Groundwater	
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	0.002	ug/l	**0.33**	
Benzo(B)Fluoranthene	0.002	ug/l	**0.57**	
Benzo(K)Fluoranthene	0.002	ug/l	**0.23**	
Bis(2-Ethylhexyl) Phthalate	5	ug/l	**3.1**	
Chrysene	0.002	ug/l	**0.42**	
Dibenz(A,H)Anthracene		ug/l	**0.16**	
Indeno(1,2,3-C,D)Pyrene	0.002	ug/l	**0.38**	
Phenanthrene	50	ug/l	**0.36**	
Pyrene	50	ug/l	**0.48**	
TAL Metals (SW6010)				
Arsenic	25	ug/l	**6.58**	
Barium	1,000	ug/l	**161.2**	
Beryllium	3	ug/l	**0.3**	J
Cadmium	5	ug/l	**0.17**	J
Chromium, Total	50	ug/l	**19.12**	
Copper	200	ug/l	**72.9**	
Iron	300	ug/l	**11800**	
Lead	25	ug/l	**40.16**	
Magnesium	35,000	ug/l	**114000**	
Manganese	300	ug/l	**331**	
Nickel	100	ug/l	**21.8**	
Selenium	10	ug/l	<1.73	U
Sodium	20,000	ug/l	**9640**	
Thallium	0.5	ug/l	<0.14	U
Zinc	2,000	ug/l	**61.5**	
Mercury (SW7470)				
Mercury	0.7		**0.1**	J



Analytes	Class GA Ambient Water Quality Standards and Guidance Values	Units	MW-BCP-13A	
Sample Date			9/1/2022	
Location:			750. E. Ferry	
Sample Type:			Groundwater	
TCL SVOCs (SW8270D)				
Benzo(A)Anthracene	0.002	ug/l	**5.1**	
Benzo(B)Fluoranthene	0.002	ug/l	**10**	
Benzo(K)Fluoranthene	0.002	ug/l	**3**	
Bis(2-Ethylhexyl) Phthalate	5	ug/l	**3.1**	
Chrysene	0.002	ug/l	**6.6**	
Dibenz(A,H)Anthracene		ug/l	**1.6**	
Indeno(1,2,3-C,D)Pyrene	0.002	ug/l	**6**	
Phenanthrene	50	ug/l	**2.2**	
Pyrene	50	ug/l	**5.4**	
TAL Metals (SW6010)				
Arsenic	25	ug/l	**3.15**	
Barium	1,000	ug/l	**186**	
Beryllium	3	ug/l	**0.21**	J
Cadmium	5	ug/l	**0.15**	J
Chromium, Total	50	ug/l	**4.01**	
Copper	200	ug/l	**40.1**	
Iron	300	ug/l	**4180**	
Lead	25	ug/l	**33.03**	
Magnesium	35,000	ug/l	**128000**	
Manganese	300	ug/l	**175.1**	
Nickel	100	ug/l	**7.48**	
Selenium	10	ug/l	<1.73	U
Sodium	20,000	ug/l	**435000**	
Thallium	0.5	ug/l	<0.14	U
Zinc	2,000	ug/l	**17.56**	
Mercury (SW7470)				
Mercury	0.7		**0.17**	J

LEGEND

MONITORING WELL

SOIL BORING

NOTES

SITE INVESTIGATION SUMMARY:

1. FIVE (5) 2 IN DIA. WELLS, 10 FT BGS, SCREEN IN FILL COMPLETED WELL INSTALLATION 7/18/2022
2. TWELVE (12) BORINGS, MAXIMUM 10 FT BGS. SAMPLE AT FILL-SOIL INTERFACE SB1 - SB12 7/18/2022
3. FIVE ADDITIONAL BORINGS TAKEN AT EACH MONITORING WELL LOCATION COMPLETED BY 7/18/2022

D

1" = 100'

100' 50' 0' 100'

REFERENCES:
1. TRUE NORTH LAND SURVEYING, PLLC, SURVEY OF 750 EAST FERRY STREET, CIT OF BUFFALO, MARCH 15TH, 2022
2. RICHARD A. BUI & ASSOCIATES INC., PHASE II ENVIRONMENTAL ASSESSMENT, AUGUST 2, 2001

N

DRAWING BY RB
CHECKED
APPROVED

2022 GROUNDWATER DATA

BFMC
BUFFALO FOUNDRY &
MACHINE PARK OF INNOVATION
750 EAST FERRY STREET
BUFFALO, NEW YORK 14211

INVENTUM ENGINEERING
441 CARLISLE DRIVE
SUITE C
HERNDON, VIRGINIA 20170
(703) 722-6049
www.InventumEng.com

FIGURE 5

DRAWING NUMBER

Tables

Table 1
2022 Sub-Surface Site Investigation Soil Data

Analytes	CAS Number	Part 375 SCOs		Units	SB-BCP-01- 2 to 4 -07152022		MW-BCP-02A- 4 to 6 - 07122022		MW-BCP-02A- 14 to 15 - 07122022		MW-BCP-03A- 2 to 4 - 07122022		MW-BCP-03A- 12 to 14 - 07122022		SB-BCP-04-2 to 4 -07132022		SB-BCP-05- 2 to 4 -07132022		SB-BCP-05- 8 to 10 -07132022		SB-BCP-06- 6 to 8 -07142022	
		Commercial	Industrial																			
				Sample Date:	7/15/2022		7/12/2022		7/12/2022		7/12/2022		7/12/2022		7/13/2022		7/13/2022		7/13/2022		7/14/2022	
				Sample Interval:	2 to 4 feet		4 to 6 feet		14 to 15 feet		2 to 4 feet		12 to 14 feet		2 to 4 feet		2 to 4 feet		8 to 10 feet		6 to 8 feet	
				Formation/Location:	Upper Fill		Lower Fill		Lower Clay		Upper Fill		Lower Clay		Fill		Lower Fill		Upper Clay		Lower Fill	
TCL VOCs (SW8260C)																						
1,1,1-Trichloroethane (TCA)	71-55-6	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.66	U	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	79-34-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.66	U	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	79-00-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5.3	U	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	75-34-3	240,000	480,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	75-35-4	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
1,2,3-Trichlorobenzene	87-61-6			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.6	U	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-Chloropropane	96-12-8			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<4.0	U	NS	NS	NS	NS	NS	NS
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	95-50-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.6	U	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	107-06-2	30,000	60,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	78-87-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	541-73-1	280,000	560,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.6	U	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	106-46-7	130,000	250,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.6	U	NS	NS	NS	NS	NS	NS
1,4-Dioxane (P-Dioxane)	123-91-1	130,000	250,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Ethyl Ketone (2-Butanone)	78-93-3	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<13	U	NS	NS	NS	NS	NS	NS
2-Hexanone	591-78-6			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<13	U	NS	NS	NS	NS	NS	NS
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<13	U	NS	NS	NS	NS	NS	NS
Acetone	67-64-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	8.7	J	NS	NS	NS	NS	NS	NS
Benzene	71-43-2	44,000	89,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.66	U	NS	NS	NS	NS	NS	NS
Bromochloromethane	74-97-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.66	U	NS	NS	NS	NS	NS	NS
Bromoform	75-25-2			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5.3	U	NS	NS	NS	NS	NS	NS
Bromomethane	74-83-9			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.6	U	NS	NS	NS	NS	NS	NS
Carbon Disulfide	75-15-0			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<13	U	NS	NS	NS	NS	NS	NS
Carbon Tetrachloride	56-23-5	22,000	44,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Chlorobenzene	108-90-7	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.66	U	NS	NS	NS	NS	NS	NS
Chloroethane	75-00-3			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.6	U	NS	NS	NS	NS	NS	NS
Chloroform	67-66-3	350,000	700,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.0	U	NS	NS	NS	NS	NS	NS
Chloromethane	74-87-3			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5.3	U	NS	NS	NS	NS	NS	NS
Cyclohexane	110-82-7			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5.3	U	NS	NS	NS	NS	NS	NS
Dibromochloromethane	124-48-1			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane	75-71-8			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<13	U	NS	NS	NS	NS	NS	NS
Methylene Chloride	75-09-2	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<6.6	U	NS	NS	NS	NS	NS	NS
Ethylbenzene	100-41-4	390,000	780,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Isopropylbenzene (Cumene)	98-82-8			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Methyl Acetate	79-20-9			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5.3	U	NS	NS	NS	NS	NS	NS
Methyl Tert-Butyl Ether	1634-04-4	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.6	U	NS	NS	NS	NS	NS	NS
Methylcyclohexane	108-87-2			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5.3	U	NS	NS	NS	NS	NS	NS
Styrene	100-42-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Tetrachloroethene	127-18-4	150,000	300,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.66	U	NS	NS	NS	NS	NS	NS
Toluene	108-88-3	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Trichloroethene	79-01-6	200,000	400,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.66	U	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane	75-69-4			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5.3	U	NS	NS	NS	NS	NS	NS
Vinyl Chloride	75-01-4	13,000	27,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Cis-1,2-Dichloroethylene	156-59-2	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Cis-1,3-Dichloropropene	10061-01-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.66	U	NS	NS	NS	NS	NS	NS
m,p-Xylene	179601-23-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.6	U	NS	NS	NS	NS	NS	NS
O-Xylene (1,2-Dimethylbenzene)	95-47-6	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS
Trans-1,2-Dichloroethene	156-60-5	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<2.0	U	NS	NS	NS	NS	NS	NS
Trans-1,3-Dichloropropene	10061-02-6			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1.3	U	NS	NS	NS	NS	NS	NS

Table 1
2022 Sub-Surface Site Investigation Soil Data

Analytes	CAS Number	Part 375 SCOs		Units	SB-BCP-01- 2 to 4 -07152022		MW-BCP-02A- 4 to 6 - 07122022		MW-BCP-02A- 14 to 15 - 07122022		MW-BCP-03A- 2 to 4 - 07122022		MW-BCP-03A- 12 to 14 - 07122022		SB-BCP-04-2 to 4 -07132022		SB-BCP-05- 2 to 4 -07132022		SB-BCP-05- 8 to 10 -07132022		SB-BCP-06- 6 to 8 -07142022	
		Commercial	Industrial																			
Sample Date:					7/15/2022		7/12/2022		7/12/2022		7/12/2022		7/12/2022		7/13/2022		7/13/2022		7/13/2022		7/14/2022	
Sample Interval:					2 to 4 feet		4 to 6 feet		14 to 15 feet		2 to 4 feet		12 to 14 feet		2 to 4 feet		2 to 4 feet		8 to 10 feet		6 to 8 feet	
Formation/Location:					Upper Fill		Lower Fill		Lower Clay		Upper Fill		Lower Clay		Fill		Lower Fill		Upper Clay		Lower Fill	
TCL SVOCs (SW8270D)																						
Acenaphthene	83-32-9	500,000	1,000,000	ug/kg	44	J	53	J	NS	NS	330		200		<550	U	<160	U	<150	U	<500	U
Hexachlorobenzene	118-74-1	6,000	12,000	ug/kg	<110	U	<130	U	NS	NS	<120	U	<130	U	<410	U	<120	U	<120	U	<380	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4			ug/kg	<160	U	<190	U	NS	NS	<170	U	<190	U	<620	U	<180	U	<170	U	<570	U
2-Chloronaphthalene	91-58-7			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
3,3'-Dichlorobenzidine	91-94-1			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
2,4-Dinitrotoluene	121-14-2			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
2,6-Dinitrotoluene	606-20-2			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Fluoranthene	206-44-0	500,000	1,000,000	ug/kg	110		950		NS	NS	5500		440		400	J	74	J	<120	U	190	J
4-Chlorophenyl Phenyl Ether	7005-72-3			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
4-Bromophenyl Phenyl Ether	101-55-3			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Bis(2-Chloroisopropyl) Ether	108-60-1			ug/kg	<220	U	<260	U	NS	NS	<230	U	<250	U	<820	U	<240	U	<230	U	<760	U
Bis(2-Chloroethoxy) Methane	111-91-1			ug/kg	<220	U	<230	U	NS	NS	<210	U	<230	U	<740	U	<220	U	<210	U	<680	U
Hexachlorobutadiene	87-68-3			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Hexachlorocyclopentadiene	77-47-4			ug/kg	<520	U	<620	U	NS	NS	<550	U	<600	U	<2000	U	<570	U	<550	U	<1800	U
Hexachloroethane	67-72-1			ug/kg	<140	U	<170	U	NS	NS	<160	U	<170	U	<550	U	<160	U	<150	U	<500	U
Isophorone	78-59-1			ug/kg	<160	U	<190	U	NS	NS	<170	U	<190	U	<620	U	<180	U	<170	U	<570	U
Naphthalene	91-20-3	500,000	1,000,000	ug/kg	40	J	47	J	NS	NS	220		61	J	<680	U	<200	U	<190	U	<630	U
Nitrobenzene	98-95-3			ug/kg	<160	U	<190	U	NS	NS	<170	U	<190	U	<620	U	<180	U	<170	U	<570	U
N-Nitrosodiphenylamine	86-30-6			ug/kg	<140	U	<170	U	NS	NS	<160	U	<170	U	<680	U	<160	U	<150	U	<630	U
N-Nitrosodi-N-Propylamine	621-64-7			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Bis(2-Ethylhexyl) Phthalate	117-81-7			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<620	U	<200	U	<190	U	<630	U
Benzyl Butyl Phthalate	85-68-7			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Di-N-Butyl Phthalate	84-74-2			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Di-N-Octylphthalate	117-84-0			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Diethyl Phthalate	84-66-2			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Dimethyl Phthalate	131-11-3			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Benzo(A)Anthracene	56-55-3	5,600	11,000	ug/kg	700		500		NS	NS	4500		280		310	J	57	J	<120	U	170	J
Benzo(A)Pyrene	50-32-8	1,000	1,100	ug/kg	1100		470		NS	NS	5000		300		460	J	87	J	<120	U	270	J
Benzo(B)Fluoranthene	205-99-2	5,600	11,000	ug/kg	1500		620		NS	NS	11000	E	570		700		110	J	<120	U	450	
Benzo(K)Fluoranthene	207-08-9	56,000	110,000	ug/kg	420		200		NS	NS	2300		140		210	J	45	J	<120	U	130	J
Chrysene	218-01-9	56,000	110,000	ug/kg	930		510		NS	NS	6500		400		420		70	J	<120	U	250	J
Acenaphthylene	208-96-8	500,000	1,000,000	ug/kg	<140	U	<170	U	NS	NS	57	J	<170	U	<550	U	<160	U	<150	U	<500	U
Anthracene	120-12-7	500,000	1,000,000	ug/kg	64	J	160		NS	NS	650		310		<410	U	<120	U	<120	U	<380	U
Benzo(G,H,I)Perylene	191-24-2	500,000	1,000,000	ug/kg	820		350		NS	NS	5700		220		340	J	53	J	<150	U	130	J
Fluorene	86-73-7	500,000	1,000,000	ug/kg	22	J	65	J	NS	NS	330		420		<680	U	<200	U	<190	U	<630	U
Phenanthrene	85-01-8	500,000	1,000,000	ug/kg	340		680		NS	NS	3200		550		190	J	32	J	<120	U	99	J
Dibenz(A,H)Anthracene	53-70-3	560	1,100	ug/kg	170		90	J	NS	NS	1900		76	J	95	J	<120	U	<120	U	<380	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	5,600	11,000	ug/kg	860		390		NS	NS	6200		280		350	J	58	J	<150	U	150	J
Pyrene	129-00-0	500,000	1,000,000	ug/kg	800		780		NS	NS	4500		590		380	J	69	J	<120	U	280	J
Biphenyl				ug/kg	<410	U	<490	U	NS	NS	42	J	<480	U	<1600	U	<460	U	<440	U	<1400	U
4-Chloroaniline				ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
2-Nitroaniline				ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
3-Nitroaniline				ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
4-Nitroaniline				ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Dibenzofuran	132-64-9	350,000	1,000,000	ug/kg	22	J	40	J	NS	NS	220		<210	U	<680	U	<200	U	<190	U	<630	U
2-Methylnapthalene				ug/kg	30	J	<260	U	NS	NS	140	J	<250	U	<820	U	<240	U	<230	U	<760	U
1,2,4,5-Tetrachlorobenzene	88-74-4			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Acetophenone	98-86-2			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
2,4,6-Trichlorophenol				ug/kg	<110	U	<130	U	NS	NS	<120	U	<130	U	<410	U	<120	U	<120	U	<380	U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)	59-50-7			ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
2-Chlorophenol				ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
2,4-Dichlorophenol				ug/kg	<160	U	<190	U	NS	NS	<170	U	<190	U	<620	U	<180	U	<170	U	<570	U
2,4-Dimethylphenol				ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
2-Nitrophenol				ug/kg	<390	U	<460	U	NS	NS	<420	U	<450	U	<1500	U	<430	U	<420	U	<1400	U
4-Nitrophenol				ug/kg	<250	U	<300	U	NS	NS	<270	U	<290	U	<960	U	<280	U	<270	U	<880	U
2,4-Dinitrophenol				ug/kg	<870	U	<1000	U	NS	NS	<930	U	<1000	U	<3300	U	<960	U	<920	U	<3000	U
4,6-Dinitro-o-cresol				ug/kg	<470	U	<560	U	NS	NS	<500	U	<550	U	<1800	U	<520	U	<500	U	<1600	U
Pentachlorophenol	87-86-5	6,700	55,000	ug/kg	<140	U	<170	U	NS	NS	<160	U	<170	U	<550	U	<160	U	<150	U	<500	U
Phenol	108-95-2	500,000	1,000,000	ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
2-Methylphenol (O-Cresol)	95-48-7	500,000	1,000,000	ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
3-Methylphenol/4-Methylphenol (Cresols, M & P)	MEPH1314	500,000	1,000,000	ug/kg	<260	U	<310	U	NS	NS	<280	U	<300	U	<990	U	<290	U	<280	U	<910	U
2,4,5-Trichlorophenol				ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U
Carbazole	86-74-8			ug/kg	48	J	100	J	NS	NS	450		<210	U	<680	U	<200	U	<190	U	<630	U
Atrazine	1912-24-9			ug/kg	<140	U	<170	U	NS	NS	<160	U	<170	U	<550	U	<160	U	<150	U	<500	U
Benzaldehyde	100-52-7			ug/kg	<240	U	<280	U	NS	NS	<260	U	<280	U	<900	U	<260	U	<250	U	<830	U
Caprolactam	105-60-2			ug/kg	<180	U	<220	U	NS	NS	84	J	<210	U	<680	U	<200	U	<190	U	<630	U
2,3,4,6-Tetrachlorophenol				ug/kg	<180	U	<220	U	NS	NS	<190	U	<210	U	<680	U	<200	U	<190	U	<630	U

Table 1
2022 Sub-Surface Site Investigation Soil Data

Analytes	CAS Number	Part 375 SCOs		Units	SB-BCP-01- 2 to 4 -07152022		MW-BCP-02A- 4 to 6 - 07122022		MW-BCP-02A- 14 to 15 - 07122022		MW-BCP-03A- 2 to 4 - 07122022		MW-BCP-03A- 12 to 14 - 07122022		SB-BCP-04-2 to 4 -07132022		SB-BCP-05- 2 to 4 -07132022		SB-BCP-05- 8 to 10 -07132022		SB-BCP-06- 6 to 8 -07142022	
		Commercial	Industrial																			
Sample Date:					7/15/2022		7/12/2022		7/12/2022		7/12/2022		7/12/2022		7/13/2022		7/13/2022		7/13/2022		7/14/2022	
Sample Interval:					2 to 4 feet		4 to 6 feet		14 to 15 feet		2 to 4 feet		12 to 14 feet		2 to 4 feet		2 to 4 feet		8 to 10 feet		6 to 8 feet	
Formation/Location:					Upper Fill		Lower Fill		Lower Clay		Upper Fill		Lower Clay		Fill		Lower Fill		Upper Clay		Lower Fill	
TAL Metals (SW6010)																						
Aluminum	7429-90-5			mg/kg	7650		10400		3670		5510		8920		3220		8250		5400		17900	
Antimony	7440-36-0			mg/kg	<4.16	U	2.67	J	<4.20	U	2.36	J	<4.89	U	0.716	J	0.448	J	<4.52	U	<5.19	U
Arsenic	7440-38-2	16	16	mg/kg	5.64		6.36		2.73		10.1		6.06		9.84		5.39		3.11		13.00	
Barium	7440-39-3	400	10,000	mg/kg	62.3		105		33.4		93.5		123		95.8		75.6		55.5		78	
Beryllium	7440-41-7	590	2,700	mg/kg	0.343	J	0.599		0.179	J	0.292	J	0.491		0.380	J	0.343	J	0.199	J	0.781	
Cadmium	7440-43-9	9.3	60	mg/kg	0.382	J	0.565	J	0.211	J	0.869	J	0.541	J	0.358	J	0.61	J	0.434	J	1.85	
Calcium	7440-70-2			mg/kg	45400		2960		70100		9480		29200		4100		62000		66400		66400	
Chromium, Total	7440-47-3			mg/kg	13.3		38		6.42		29		14.3		5.4		13.2		8.69		53.7	
Cobalt	7440-48-4			mg/kg	5.52		9.19		3.45		5.09		6.33		6.2		7.12		5.21		33.9	
Copper	7440-50-8	270	10,000	mg/kg	22		125		11.7		97.6		37.6		182		27.7		12.5		376.0	
Iron	7439-89-6			mg/kg	19200		26100		8840		26900		18600		6890		17000		11200		149000	
Lead	7439-92-1	1,000	3,900	mg/kg	20		109		10.1		240		226		189		14.4		9.63		31.3	
Magnesium	7439-95-4			mg/kg	21300		3370		30300		2060		9490		282		13300		17700		1880	
Manganese	7439-96-5	10,000	10,000	mg/kg	436		312		282		593		384		210		348		319		6040	
Nickel	7440-02-0	310	10,000	mg/kg	15.7		133		7.27		41.2		21		10.7		17.2		11.1		20.1	
Potassium	7440-09-7			mg/kg	980		1100		642		452		900		424		1100		807		1850	
Selenium	7782-49-2	1,500	6,800	mg/kg	<1.66	U	0.317	J	<1.68	U	<1.85	U	<1.96	U	0.414	J	0.42	J	<1.81	U	0.277	J
Silver	7440-22-4	1,500	6,800	mg/kg	<0.832	U	<1.02	U	<0.841	U	0.384	J	0.301	J	<1.12	U	<0.954	U	<0.904	U	<1.04	U
Sodium	7440-23-5			mg/kg	96.9	J	79.5	J	126	J	95.5	J	108	J	47.9	J	55.2	J	63.6	J	448	
Thallium	7440-28-0			mg/kg	<1.66	U	<2.04	U	<1.68	U	<1.85	U	<1.96	U	<2.24	U	<1.91	U	<1.81	U	0.49	J
Vanadium	7440-62-2			mg/kg	17.0		23.6		11.0		20.2		21.4		21.6		17.6		12.5		112	
Zinc	7440-66-6	10,000	10,000	mg/kg	47.8		84.4		44.4		236		142		96.1		54		46.6		15.3	
Mercury (SW7471)																						
Mercury	7439-97-6	2.8	5.7	mg/kg	<0.071		<0.087		<0.075		0.406		0.396		<0.099	U	<0.084	U	<0.086	U	<0.089	U
PCBs (8082A)																						
PCB-1016 (Aroclor 1016)	12674-11-2	1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
PCB-1221 (Aroclor 1221)	11104-28-2	1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
PCB-1232 (Aroclor 1232)	11141-16-5	1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
PCB-1242 (Aroclor 1242)	53469-21-9	1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
PCB-1248 (Aroclor 1248)	12672-29-6	1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
PCB-1254 (Aroclor 1254)	11097-69-1	1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
PCB-1260 (Aroclor 1260)	11096-82-5	1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
PCB-1262 (Aroclor 1262)		1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
PCB-1268 (Aroclor 1268)		1000	25000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<45.2	U	NS	NS	NS	NS	NS	NS
Total Solids																						
Total Solids				%	91.5		76.2		89.7		83.6		77.8		70.4		83.2		85.3		76.5	

Table 1
2022 Sub-Surface Site Investigation Soil Data

Analytes	CAS Number	Part 375 SCOs		Units	MW-BCP-07A- 0 to 2 - 07142022		MW-BCP-07A- 8 to 10 - 07142022		SB-BCP-08- 0 to 2- 07182022		SB-BCP-08-10 to 12- 07182022		SB-BCP-09-0 to 2- 07182022		SB-BCP-09-8 to 10- 07182022		SB-BCP-10-0 to 4- 07182022		SB-BCP-10-10 to 12- 07182022		SB-BCP-11-2 to 4-07182022		SB-BCP-11-10 to 12- 07182022	
		Commercial	Industrial																					
				Sample Date:	7/14/2022		7/14/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022	
				Sample Interval:	0 to 2 feet		8 to 10 feet		0 to 2 feet		10 to 12 feet		0 to 2 feet		8 to 10 feet		0 to 4 feet		10 to 12 feet		2 to 4 feet		10 to 12 feet	
				Formation/Location:	Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay	
TCL VOCs (SW8260C)																								
1,1,1-Trichloroethane (TCA)	71-55-6	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<0.60	U	<0.72	U	NS	NS	NS	NS	<0.56	U	<0.56	U
1,1,2,2-Tetrachloroethane	79-34-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<0.60	U	<0.72	U	NS	NS	NS	NS	<0.56	U	<0.56	U
1,1,2-Trichloroethane	79-00-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<0.60	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<4.8	U	<5.8	U	NS	NS	NS	NS	<4.4	U	<4.5	U
1,1-Dichloroethane	75-34-3	240,000	480,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
1,1-Dichloroethene	75-35-4	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.8	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
1,2,3-Trichlorobenzene	87-61-6			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<2.4	U	<2.9	U	NS	NS	NS	NS	<2.2	U	<2.2	U
1,2-Dibromo-3-Chloropropane	96-12-8			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<3.6	U	<4.3	U	NS	NS	NS	NS	<3.3	U	<3.4	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
1,2-Dichlorobenzene	95-50-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<2.4	U	<2.9	U	NS	NS	NS	NS	<2.2	U	<2.2	U
1,2-Dichloroethane	107-06-2	30,000	60,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropane	78-87-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
1,3-Dichlorobenzene	541-73-1	280,000	560,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<2.4	U	<2.9	U	NS	NS	NS	NS	<2.2	U	<2.2	U
1,4-Dichlorobenzene	106-46-7	130,000	250,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<2.4	U	<2.9	U	NS	NS	NS	NS	<2.2	U	<2.2	U
1,4-Dioxane (P-Dioxane)	123-91-1	130,000	250,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Ethyl Ketone (2-Butanone)	78-93-3	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<12	U	20		NS	NS	NS	NS	<11	U	7.7	J
2-Hexanone	591-78-6			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<12	U	<14	U	NS	NS	NS	NS	<11	U	<11	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<12	U	<14	U	NS	NS	NS	NS	<11	U	<11	U
Acetone	67-64-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	47		130		NS	NS	NS	NS	<11	U	73	
Benzene	71-43-2	44,000	89,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.39	J	<0.72	U	NS	NS	NS	NS	<0.56	U	<0.56	U
Bromochloromethane	74-97-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<0.60	U	<0.72	U	NS	NS	NS	NS	<1.1	U	<0.56	U
Bromoform	75-25-2			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<4.8	U	<5.8	U	NS	NS	NS	NS	<4.4	U	<45	U
Bromomethane	74-83-9			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<2.4	U	<2.9	U	NS	NS	NS	NS	<2.2	U	<2.2	U
Carbon Disulfide	75-15-0			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<12	U	<14	U	NS	NS	NS	NS	<11	U	<11	U
Carbon Tetrachloride	56-23-5	22,000	44,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
Chlorobenzene	108-90-7	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<0.60	U	<0.72	U	NS	NS	NS	NS	<0.56	U	<0.56	U
Chloroethane	75-00-3			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<2.4	U	<2.9	U	NS	NS	NS	NS	<2.2	U	<2.2	U
Chloroform	67-66-3	350,000	700,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.8	U	<2.2	U	NS	NS	NS	NS	<1.7	U	<1.7	U
Chloromethane	74-87-3			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<4.8	U	<5.8	U	NS	NS	NS	NS	<4.4	U	<4.5	U
Cyclohexane	110-82-7			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.8	J	<14	U	NS	NS	NS	NS	<11	U	<11	U
Dibromochloromethane	124-48-1			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1	U	<1.1	U
Dichlorodifluoromethane	75-71-8			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<12	U	<14	U	NS	NS	NS	NS	<11	U	<11	U
Methylene Chloride	75-09-2	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<6.0	U	<7.2	U	NS	NS	NS	NS	<5.6	U	<5.6	U
Ethylbenzene	100-41-4	390,000	780,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	0.18	J	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
Isopropylbenzene (Cumene)	98-82-8			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
Methyl Acetate	79-20-9			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<4.8	U	<5.8	U	NS	NS	NS	NS	<4.4	U	<4.5	U
Methyl Tert-Butyl Ether	1634-04-4	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<2.4	U	<2.9	U	NS	NS	NS	NS	<2.2	U	<2.2	U
Methylcyclohexane	108-87-2			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<4.8	U	<5.8	U	NS	NS	NS	NS	<4.4	U	<4.5	U
Styrene	100-42-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
Tetrachloroethene	127-18-4	150,000	300,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<0.60	U	<0.72	U	NS	NS	NS	NS	<0.56	U	<0.56	U
Toluene	108-88-3	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
Trichloroethene	79-01-6	200,000	400,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<0.60	U	<0.72	U	NS	NS	NS	NS	<0.56	U	<0.56	U
Trichlorofluoromethane	75-69-4			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<4.8	U	<5.8	U	NS	NS	NS	NS	<4.4	U	<4.5	U
Vinyl Chloride	75-01-4	13,000	27,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
Cis-1,2-Dichloroethylene	156-59-2	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
Cis-1,3-Dichloropropene	10061-01-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<0.60	U	<0.72	U	NS	NS	NS	NS	<0.56	U	<0.56	U
m,p-Xylene	179601-23-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<2.4	U	<2.9	U	NS	NS	NS	NS	<2.2	U	<2.2	U
O-Xylene (1,2-Dimethylbenzene)	95-47-6	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U
Trans-1,2-Dichloroethene	156-60-5	500,000	1,000,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.8	U	<2.2	U	NS	NS	NS	NS	<1.1	U	<1.7	U
Trans-1,3-Dichloropropene	10061-02-6			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	U	<1.4	U	NS	NS	NS	NS	<1.1	U	<1.1	U

Table 1
2022 Sub-Surface Site Investigation Soil Data

Analytes	CAS Number	Part 375 SCOs		Units	MW-BCP-07A- 0 to 2 - 07142022		MW-BCP-07A- 8 to 10 - 07142022		SB-BCP-08- 0 to 2- 07182022		SB-BCP-08-10 to 12- 07182022		SB-BCP-09-0 to 2- 07182022		SB-BCP-09-8 to 10- 07182022		SB-BCP-10-0 to 4- 07182022		SB-BCP-10-10 to 12- 07182022		SB-BCP-11-2 to 4-07182022		SB-BCP-11-10 to 12- 07182022	
		Commercial	Industrial																					
Sample Date:					7/14/2022		7/14/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022	
Sample Interval:					0 to 2 feet		8 to 10 feet		0 to 2 feet		10 to 12 feet		0 to 2 feet		8 to 10 feet		0 to 4 feet		10 to 12 feet		2 to 4 feet		10 to 12 feet	
Formation/Location:					Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay	
TCL SVOCs (SW8270D)																								
Acenaphthene	83-32-9	500,000	1,000,000	ug/kg	200	J	<160	U	<150	U	<170	U	210	J	<200	U	42	J	<220	U	47	J	<160	U
Hexachlorobenzene	118-74-1	6,000	12,000	ug/kg	<310	U	<120	U	<110	U	<130	U	<630	U	<150	U	<130	U	<150	U	<120	U	<120	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4			ug/kg	<460	U	<180	U	<170	U	<200	U	<940	U	<220	U	<190	U	<220	U	<190	U	<180	U
2-Chloronaphthalene	91-58-7			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
3,3'-Dichlorobenzidine	91-94-1			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2,4-Dinitrotoluene	121-14-2			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2,6-Dinitrotoluene	606-20-2			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Fluoranthene	206-44-0	500,000	1,000,000	ug/kg	13000		<120	U	560		<130	U	6700		66	J	1700		<150	U	910		<120	U
4-Chlorophenyl Phenyl Ether	7005-72-3			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
4-Bromophenyl Phenyl Ether	101-55-3			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Bis(2-Chloroisopropyl) Ether	108-60-1			ug/kg	<620	U	<240	U	<230	U	<260	U	<1300	U	<290	U	<250	U	<290	U	<250	U	<240	U
Bis(2-Chloroethoxy) Methane	111-91-1			ug/kg	<560	U	<220	U	<210	U	<230	U	<1100	U	<260	U	<230	U	<260	U	<220	U	<220	U
Hexachlorobutadiene	87-68-3			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Hexachlorocyclopentadiene	77-47-4			ug/kg	<1500	U	<580	U	<550	U	<620	U	<3000	U	<700	U	<610	U	<700	U	<590	U	<580	U
Hexachloroethane	67-72-1			ug/kg	<410	U	<160	U	<150	U	<170	U	<840	U	<200	U	<170	U	<200	U	<160	U	<160	U
Isophorone	78-59-1			ug/kg	<460	U	<180	U	<170	U	<200	U	<940	U	<220	U	<190	U	<220	U	<190	U	<180	U
Naphthalene	91-20-3	500,000	1,000,000	ug/kg	1100		<200	U	41	J	<220	U	220	J	<240	U	89	J	<240	U	26	J	<200	U
Nitrobenzene	98-95-3			ug/kg	<460	U	<180	U	<170	U	<200	U	<940	U	<220	U	<190	U	<220	U	<190	U	<180	U
N-Nitrosodiphenylamine	86-30-6			ug/kg	<410	U	<160	U	<150	U	<170	U	<840	U	<200	U	<170	U	<200	U	<160	U	<160	U
N-Nitrosodi-N-Propylamine	621-64-7			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Bis(2-Ethylhexyl) Phthalate	117-81-7			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<180	U
Benzyl Butyl Phthalate	85-68-7			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Di-N-Butyl Phthalate	84-74-2			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Di-N-Octylphthalate	117-84-0			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Diethyl Phthalate	84-66-2			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Dimethyl Phthalate	131-11-3			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Benzo(A)Anthracene	56-55-3	5,600	11,000	ug/kg	14000		<120	U	450		<130	U	4200		52	J	1400		<150	U	540		<120	U
Benzo(A)Pyrene	50-32-8	1,000	1,100	ug/kg	18000		<160	U	560		<170	U	4400		<200	U	2200		<200	U	460		<160	U
Benzo(B)Fluoranthene	205-99-2	5,600	11,000	ug/kg	23000	E	<120	U	710		<130	U	7200		55	J	4500		<150	U	810		<120	U
Benzo(K)Fluoranthene	207-08-9	56,000	110,000	ug/kg	6000		<120	U	220		<130	U	2100		<150	U	1100		<150	U	240		<120	U
Chrysene	218-01-9	56,000	110,000	ug/kg	13000		<120	U	530		<130	U	5900		46	J	2200		<150	U	660		<120	U
Acenaphthylene	208-96-8	500,000	1,000,000	ug/kg	4500		<160	U	<150	U	<170	U	<840	U	<200	U	<170	U	<200	U	54	J	<160	U
Anthracene	120-12-7	500,000	1,000,000	ug/kg	2800		<120	U	58	J	<130	U	530	J	<150	U	69	J	<150	U	160		<120	U
Benzo(G,H,I)Perylene	191-24-2	500,000	1,000,000	ug/kg	11000		<160	U	390		<170	U	3200		<200	U	2400		<200	U	280		<160	U
Fluorene	86-73-7	500,000	1,000,000	ug/kg	630		<200	U	<190	U	<220	U	200	J	<240	U	31	J	<240	U	54	J	<200	U
Phenanthrene	85-01-8	500,000	1,000,000	ug/kg	2900		<120	U	<270	U	<130	U	2500		54	J	500		<150	U	780		<120	U
Dibenz(A,H)Anthracene	53-70-3	560	1,100	ug/kg	2700		<120	U	100	J	<130	U	810		<150	U	540		<150	U	90		<120	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	5,600	11,000	ug/kg	13000		<160	U	420		<170	U	3500		<200	U	2400		<200	U	320		<160	U
Pyrene	129-00-0	500,000	1,000,000	ug/kg	17000		<120	U	500		<130	U	5300		54	J	1600		<150	U	820		<120	U
Biphenyl				ug/kg	96	J	<460	U	<440	U	<490	U	<2400	U	<560	U	<480	U	<560	U	<470	U	<460	U
4-Chloroaniline				ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2-Nitroaniline				ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
3-Nitroaniline				ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
4-Nitroaniline				ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Dibenzofuran	132-64-9	350,000	1,000,000	ug/kg	440	J	<200	U	25	J	<220	U	160	J	<240	U	46	J	<240	U	34	J	<200	U
2-Methylnapthalene				ug/kg	490	J	<240	U	42	J	<260	U	240	J	<290	U	120	J	<290	U	<250	U	<240	U
1,2,4,5-Tetrachlorobenzene	88-74-4			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Acetophenone	98-86-2			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2,4,6-Trichlorophenol				ug/kg	<310	U	<120	U	<110	U	<130	U	<630	U	<150	U	<130	U	<150	U	<120	U	<120	U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)	59-50-7			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2-Chlorophenol				ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2,4-Dichlorophenol				ug/kg	<460	U	<180	U	<170	U	<200	U	<940	U	<220	U	<190	U	<220	U	<190	U	<180	U
2,4-Dimethylphenol				ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2-Nitrophenol				ug/kg	<1100	U	<430	U	<410	U	<470	U	<2300	U	<530	U	<460	U	<530	U	<450	U	<440	U
4-Nitrophenol				ug/kg	<720	U	<280	U	<270	U	<300	U	<1500	U	<340	U	<300	U	<340	U	<290	U	<280	U
2,4-Dinitrophenol				ug/kg	<2500	U	<960	U	<920	U	<1000	U	<5000	U	<1200	U	<1000	U	<1200	U	<1000	U	<970	U
4,6-Dinitro-o-cresol				ug/kg	<1300	U	<520	U	<500	U	<560	U	<2700	U	<640	U	<550	U	<640	U	<540	U	<520	U
Pentachlorophenol	87-86-5	6,700	55,000	ug/kg	<410	U	<160	U	<150	U	<170	U	<840	U	<200	U	<170	U	<200	U	<160	U	<160	U
Phenol	108-95-2	500,000	1,000,000	ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2-Methylphenol (O-Cresol)	95-48-7	500,000	1,000,000	ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
3-Methylphenol/4-Methylphenol (Cresols, M & P)	MEPH1314	500,000	1,000,000	ug/kg	<740	U	<290	U	<280	U	<310	U	<1500	U	67	J	<300	U	<350	U	<300	U	<290	U
2,4,5-Trichlorophenol				ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
Carbazole	86-74-8			ug/kg	540		<200	U	39	J	<220	U	390	J	<240	U	62	J	<240	U	52	J	<200	U
Atrazine	1912-24-9			ug/kg	<410	U	<160	U	<150	U	<170	U	<840	U	<200	U	<170	U	<200	U	<160	U	<160	U
Benzaldehyde	100-52-7			ug/kg	<680	U	<260	U	<250	U	<290	U	<1400	U	<320	U	<280	U	69	J	<270	U	<270	U
Caprolactam	105-60-2			ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U
2,3,4,6-Tetrachlorophenol				ug/kg	<520	U	<200	U	<190	U	<220	U	<1000	U	<240	U	<210	U	<240	U	<210	U	<200	U

Table 1
2022 Sub-Surface Site Investigation Soil Data

Analytes	CAS Number	Part 375 SCOs		Units	MW-BCP-07A- 0 to 2 - 07142022		MW-BCP-07A- 8 to 10 - 07142022		SB-BCP-08- 0 to 2- 07182022		SB-BCP-08-10 to 12- 07182022		SB-BCP-09-0 to 2- 07182022		SB-BCP-09-8 to 10- 07182022		SB-BCP-10-0 to 4- 07182022		SB-BCP-10-10 to 12- 07182022		SB-BCP-11-2 to 4-07182022		SB-BCP-11-10 to 12- 07182022	
		Commercial	Industrial																					
				Sample Date:	7/14/2022		7/14/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022		7/18/2022	
				Sample Interval:	0 to 2 feet		8 to 10 feet		0 to 2 feet		10 to 12 feet		0 to 2 feet		8 to 10 feet		0 to 4 feet		10 to 12 feet		2 to 4 feet		10 to 12 feet	
				Formation/Location:	Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay		Upper Fill		Upper Clay	
TAL Metals (SW6010)																								
Aluminum	7429-90-5			mg/kg	2260		6490		1740		8480		4850		4040		5980		7640		6070		8930	
Antimony	7440-36-0			mg/kg	<4.18	U	<4.73	U	<4.56	U	<5.15	U	1.44	J	1.29	J	2.16	J	<5.84	U	<4.95	U	<4.93	U
Arsenic	7440-38-2	16	16	mg/kg	5.11		2.1		1.85		2.8		14.7		16.8		10.6		5.35		4.96		1.86	
Barium	7440-39-3	400	10,000	mg/kg	20.7		55.3		53.5		83.8		34.2		114		129		89.4		74.2		74	
Beryllium	7440-41-7	590	2,700	mg/kg	0.268	J	0.333	J	0.118	J	0.463	J	0.189	J	0.406	J	0.581		0.468	J	0.287	J	0.542	
Cadmium	7440-43-9	9.3	60	mg/kg	0.174	J	0.298	J	0.355	J	0.978	J	3.01		0.8		2.94		1.05	J	0.931	J	0.523	J
Calcium	7440-70-2			mg/kg	186000		61000		11700		3420		24600		6460		8860		7350		52500		4090	
Chromium, Total	7440-47-3			mg/kg	4.87		11.2		5.41		10.8		18.1		41.1		98.8		10.3		11.50		13.8	
Cobalt	7440-48-4			mg/kg	2.13		4.89		1.44	J	6.40		9.13		5.36		7		8.59		4.94		6.36	
Copper	7440-50-8	270	10,000	mg/kg	38.6		12.9		14.80		10.5		136		41.8		198		80.4		27.4		18.1	
Iron	7439-89-6			mg/kg	7690		12900		3900		12500		78000		10900		71100		18100		18600		12800	
Lead	7439-92-1	1,000	3,900	mg/kg	29.90		9.91		25.3		89.7		18.9		1850		412		202		65.4		26	
Magnesium	7439-95-4			mg/kg	15400		21800		1930		2240		1770		767		955		2110		14500		4690	
Manganese	7439-96-5	10,000	10,000	mg/kg	160		346		75.1		405		607		94.5		1240		1040		413		130	
Nickel	7440-02-0	310	10,000	mg/kg	8.82		12		13.1		10.4		17.1		12.3		105		9.97		11.5		15.4	
Potassium	7440-09-7			mg/kg	313		851		282		535		498		407		524		642		844		861	
Selenium	7782-49-2	1,500	6,800	mg/kg	0.372	J	<1.89	U	<1.82	U	<2.06	U	<1.99	U	9.17		<2.00	U			<1.98	U	<1.97	U
Silver	7440-22-4	1,500	6,800	mg/kg	<0.837	U	<0.947	U	<0.911	U	<1.03	U	1.25		<1.16	U	<1.00	U			<0.990	U	<0.986	U
Sodium	7440-23-5			mg/kg	134	J	131	J	54.4	J	65.1	J	182	J	126	J	235		158	J	99.7	J	53.6	J
Thallium	7440-28-0			mg/kg	<1.67	U	<1.89	U	<1.82	U	<2.06	U	<0.313	U	<2.32	U	<2.00	U	<2.34	U	<1.98	U	<1.97	U
Vanadium	7440-62-2			mg/kg	6.25		15.2		4.82		16.6		26.2		29.7		21.0		21.1		15.2		19.5	
Zinc	7440-66-6	10,000	10,000	mg/kg	23.5		49		23.3		79.1		49.4		172		125		83.4		80.2		88.5	
Mercury (SW7471)																								
Mercury	7439-97-6	2.8	5.7	mg/kg	0.92		<0.087	U	<0.080	U	0.651		0.161		1.26		0.424		0.215		0.099		<0.082	U
PCBs (8082A)																								
PCB-1016 (Aroclor 1016)	12674-11-2	1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	<41.6	U	<48.2	U	<41.1	U	<47.7	U	<40.1	U	<41.3	U
PCB-1221 (Aroclor 1221)	11104-28-2	1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	<41.6	U	<48.2	U	<41.1	U	<47.7	U	<40.1	U	<41.3	U
PCB-1232 (Aroclor 1232)	11141-16-5	1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	<41.6	U	<48.2	U	<41.1	U	<47.7	U	<40.1	U	<41.3	U
PCB-1242 (Aroclor 1242)	53469-21-9	1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	<41.6	U	<48.2	U	<41.1	U	<47.7	U	<40.1	U	<41.3	U
PCB-1248 (Aroclor 1248)	12672-29-6	1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	<41.6	U	<48.2	U	<41.1	U	<47.7	U	<40.1	U	<41.3	U
PCB-1254 (Aroclor 1254)	11097-69-1	1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	40	J	<48.2	U	<41.1	U	<47.7	U	<40.1	U	<41.3	U
PCB-1260 (Aroclor 1260)	11096-82-5	1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	34.2	JIP	<48.2	U	34.8	J	<47.7	U	<40.1	U	<41.3	U
PCB-1262 (Aroclor 1262)		1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	<41.6	U	<48.2	U	<41.1	U	<47.7	U	<40.1	U	<41.3	U
PCB-1268 (Aroclor 1268)		1000	25000	ug/kg	<36.0	U	<39.4	U	<37.9	U	<42.7	U	<41.6	U	<48.2	U	12	J	<47.7	U	<40.1	U	<41.3	U
Total Solids																								
Total Solids				%	90.6		80.7		84.4		75.9		78		66.8		77.2		67.4		79.9		80.4	

Table 1
2022 Sub-Surface Site Investigation Soil Data

Analytes	CAS Number	Part 375 SCOs		Units	SB-BCP-12-4 to 6-07152022		SB-BCP-12-8 to 9-07152022		MW-BCP-13A-2 to 4-07132022		MW-BCP-13A-10 to 12-07132022		MW-BCP-11A-2 to 4-07142022		MW-BCP-11A-12 to 14-07142022	
		Commercial	Industrial	Sample Date:	7/15/2022		7/15/2022		7/13/2022		7/13/2022		7/14/2022		7/14/2022	
				Sample Interval:	4 to 6 feet		8 to 9 feet		2 to 4 feet		10 to 12 feet		2 to 4 feet		12 to 14 feet	
				Formation/Location:	Lower Fill		Upper Clay		Lower Fill		Upper Clay		Upper Clay		Lower Clay	
TCL VOCs (SW8260C)																
1,1,1-Trichloroethane (TCA)	71-55-6	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<0.57	U	<0.66	U	<0.53	U	<0.57	U
1,1,2,2-Tetrachloroethane	79-34-5			ug/kg	NS	NS	NS	NS	<0.57	U	<0.66	U	<0.53	U	<0.57	U
1,1,2-Trichloroethane	79-00-5			ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113)	76-13-1			ug/kg	NS	NS	NS	NS	<4.5	U	<5.3	U	<4.3	U	<4.6	U
1,1-Dichloroethane	75-34-3	240,000	480,000	ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
1,1-Dichloroethene	75-35-4	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
1,2,3-Trichlorobenzene	87-61-6			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	120-82-1			ug/kg	NS	NS	NS	NS	<2.3	U	<2.6	U	<2.4	U	<2.3	U
1,2-Dibromo-3-Chloropropane	96-12-8			ug/kg	NS	NS	NS	NS	<3.4	U	<4.0	U	<3.2	U	<3.4	U
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4			ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
1,2-Dichlorobenzene	95-50-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<2.3	U	<2.6	U	<2.1	U	<2.3	U
1,2-Dichloroethane	107-06-2	30,000	60,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	U	<1.1	U	<1.1	U
1,2-Dichloropropane	78-87-5			ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
1,3-Dichlorobenzene	541-73-1	280,000	560,000	ug/kg	NS	NS	NS	NS	<2.3	U	<2.6	U	<2.1	U	<2.3	U
1,4-Dichlorobenzene	106-46-7	130,000	250,000	ug/kg	NS	NS	NS	NS	<2.3	U	<2.6	U	<2.1	U	<2.3	U
1,4-Dioxane (P-Dioxane)	123-91-1	130,000	250,000	ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl Ethyl Ketone (2-Butanone)	78-93-3	500,000	1,000,000	ug/kg	NS	NS	NS	NS	7.5	J	<13	U	4.8	J	<11	U
2-Hexanone	591-78-6			ug/kg	NS	NS	NS	NS	<11	U	<13	U	<11	U	<11	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1			ug/kg	NS	NS	NS	NS	<11	U	<13	U	<11	U	<11	U
Acetone	67-64-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	71		<13	U	37		22	
Benzene	71-43-2	44,000	89,000	ug/kg	NS	NS	NS	NS	<0.57	U	<0.66	U	0.69		<0.57	U
Bromochloromethane	74-97-5			ug/kg	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	75-27-4			ug/kg	NS	NS	NS	NS	<0.57	U	<0.66	U	<0.53	U	<0.57	U
Bromoform	75-25-2			ug/kg	NS	NS	NS	NS	<4.5	U	<5.3	U	<4.3	U	<4.6	U
Bromomethane	74-83-9			ug/kg	NS	NS	NS	NS	<2.3	U	<2.6	U	<2.1	U	<2.3	U
Carbon Disulfide	75-15-0			ug/kg	NS	NS	NS	NS	<11	U	<13	U	<11	U	<11	U
Carbon Tetrachloride	56-23-5	22,000	44,000	ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
Chlorobenzene	108-90-7	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<0.57	U	<0.66	U	<0.53	U	<0.57	U
Chloroethane	75-00-3			ug/kg	NS	NS	NS	NS	<2.3	U	<2.6	U	<2.1	U	<2.3	U
Chloroform	67-66-3	350,000	700,000	ug/kg	NS	NS	NS	NS	<1.7	U	<2.0	U	<1.6	U	<1.7	U
Chloromethane	74-87-3			ug/kg	NS	NS	NS	NS	<4.5	U	<5.3	U	<4.3	U	<4.6	U
Cyclohexane	110-82-7			ug/kg	NS	NS	NS	NS	<11	U	<13	U	<11	U	<11	U
Dibromochloromethane	124-48-1			ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
Dichlorodifluoromethane	75-71-8			ug/kg	NS	NS	NS	NS	<11	U	<13	U	<11	U	<11	U
Methylene Chloride	75-09-2	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<5.7	U	<6.6	U	<5.3	U	<5.7	U
Ethylbenzene	100-41-4	390,000	780,000	ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
Isopropylbenzene (Cumene)	98-82-8			ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
Methyl Acetate	79-20-9			ug/kg	NS	NS	NS	NS	<4.5	U	<5.3	U	<4.3	U	<4.6	U
Methyl Tert-Butyl Ether	1634-04-4	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<2.3	U	<2.6	U	<2.1	U	<2.3	U
Methylcyclohexane	108-87-2			ug/kg	NS	NS	NS	NS	<4.5	U	<5.3	U	<4.3	U	<4.6	U
Styrene	100-42-5			ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
Tetrachloroethene	127-18-4	150,000	300,000	ug/kg	NS	NS	NS	NS	<0.57	U	<0.66	U	<0.53	U	<0.57	U
Toluene	108-88-3	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	0.98	J	<1.1	U
Trichloroethene	79-01-6	200,000	400,000	ug/kg	NS	NS	NS	NS	<0.57	U	<0.66	U	<0.53	U	<0.57	U
Trichlorofluoromethane	75-69-4			ug/kg	NS	NS	NS	NS	<4.5	U	<5.3	U	<4.3	U	<4.6	U
Vinyl Chloride	75-01-4	13,000	27,000	ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	1.1		<1.1	U
Cis-1,2-Dichloroethylene	156-59-2	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
Cis-1,3-Dichloropropene	10061-01-5			ug/kg	NS	NS	NS	NS	<0.57	U	<0.66	U	<0.53	U	<0.57	U
m,p-Xylene	179601-23-1	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<2.3	U	<2.6	U	<2.1	U	<2.3	U
O-Xylene (1,2-Dimethylbenzene)	95-47-6	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U
Trans-1,2-Dichloroethene	156-60-5	500,000	1,000,000	ug/kg	NS	NS	NS	NS	<1.7	U	<2.0	U	<1.6	U	<1.7	U
Trans-1,3-Dichloropropene	10061-02-6			ug/kg	NS	NS	NS	NS	<1.1	U	<1.3	U	<1.1	U	<1.1	U

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2022 Sub-Surface Site Investigation Soil Data

Analytes	CAS Number	Part 375 SCOs		Units	SB-BCP-12-4 to 6-07152022		SB-BCP-12-8 to 9-07152022		MW-BCP-13A-2 to 4-07132022		MW-BCP-13A-10 to 12-07132022		MW-BCP-11A-2 to 4-07142022		MW-BCP-11A-12 to 14-07142022	
		Commercial	Industrial													
Sample Date:					7/15/2022		7/15/2022		7/13/2022		7/13/2022		7/14/2022		7/14/2022	
Sample Interval:					4 to 6 feet		8 to 9 feet		2 to 4 feet		10 to 12 feet		2 to 4 feet		12 to 14 feet	
Formation/Location:					Lower Fill		Upper Clay		Lower Fill		Upper Clay		Upper Clay		Lower Clay	
TCL SVOCs (SW8270D)																
Acenaphthene	83-32-9	500,000	1,000,000	ug/kg	<740	U	<170	U	<160	U	<160	U	920		<160	U
Hexachlorobenzene	118-74-1	6,000	12,000	ug/kg	<550	U	<130	U	<120	U	<120	U	<140	U	<120	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	111-44-4			ug/kg	<830	U	<190	U	<180	U	<180	U	<210	U	<170	U
2-Chloronaphthalene	91-58-7			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
3,3'-Dichlorobenzidine	91-94-1			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
2,4-Dinitrotoluene	121-14-2			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
2,6-Dinitrotoluene	606-20-2			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Fluoranthene	206-44-0	500,000	1,000,000	ug/kg	380	J	63	J	37	J	<120	U	42000		<120	U
4-Chlorophenyl Phenyl Ether	7005-72-3			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
4-Bromophenyl Phenyl Ether	101-55-3			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Bis(2-Chloroisopropyl) Ether	108-60-1			ug/kg	<1100	U	<260	U	<240	U	<240	U	<280	U	<230	U
Bis(2-Chloroethoxy) Methane	111-91-1			ug/kg	<1000	U	<230	U	<220	U	<220	U	<250	U	<210	U
Hexachlorobutadiene	87-68-3			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Hexachlorocyclopentadiene	77-47-4			ug/kg	<2600	U	<610	U	<580	U	<580	U	<660	U	<560	U
Hexachloroethane	67-72-1			ug/kg	<740	U	<170	U	<160	U	<160	U	<180	U	<160	U
Isophorone	78-59-1			ug/kg	<830	U	<190	U	<180	U	<180	U	<210	U	<170	U
Naphthalene	91-20-3	500,000	1,000,000	ug/kg	<920	U	<210	U	<200	U	<200	U	1200		<190	U
Nitrobenzene	98-95-3			ug/kg	<830	U	<190	U	<180	U	<180	U	<210	U	<170	U
N-Nitrosodiphenylamine	86-30-6			ug/kg	<740	U	<170	U	<160	U	<160	U	<180	U	<160	U
N-Nitrosodi-N-Propylamine	621-64-7			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Bis(2-Ethylhexyl) Phthalate	117-81-7			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Benzyl Butyl Phthalate	85-68-7			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Di-N-Butyl Phthalate	84-74-2			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Di-N-Octylphthalate	117-84-0			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Diethyl Phthalate	84-66-2			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Dimethyl Phthalate	131-11-3			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Benzo(A)Anthracene	56-55-3	5,600	11,000	ug/kg	290	J	45	J	<120	U	<120	U	19000		<120	U
Benzo(A)Pyrene	50-32-8	1,000	1,100	ug/kg	360	J	<170	U	<160	U	<160	U	17000		<160	U
Benzo(B)Fluoranthene	205-99-2	5,600	11,000	ug/kg	600		41	J	<120	U	<120	U	19000		<120	U
Benzo(K)Fluoranthene	207-08-9	56,000	110,000	ug/kg	220	J	<130	U	<120	U	<120	U	2600		<120	U
Chrysene	218-01-9	56,000	110,000	ug/kg	380	J	36	J	<120	U	<120	U	17000		<120	U
Acenaphthylene	208-96-8	500,000	1,000,000	ug/kg	<740	U	<170	U	<160	U	<160	U	2600		<160	U
Anthracene	120-12-7	500,000	1,000,000	ug/kg	<550	U	<130	U	<120	U	<120	U	16000		<120	U
Benzo(G,H,I)Perylene	191-24-2	500,000	1,000,000	ug/kg	560	J	<170	U	<160	U	<160	U	6500		<160	U
Fluorene	86-73-7	500,000	1,000,000	ug/kg	<920	U	<210	U	<200	U	<200	U	5200		<190	U
Phenanthrene	85-01-8	500,000	1,000,000	ug/kg	180	J	39	J	<120	U	<120	U	44000		<120	U
Dibenz(A,H)Anthracene	53-70-3	560	1,100	ug/kg	120	J	<130	U	<120	U	<120	U	1700		<120	U
Indeno(1,2,3-C,D)Pyrene	193-39-5	5,600	11,000	ug/kg	380	J	<170	U	<160	U	<160	U	8400		<160	U
Pyrene	129-00-0	500,000	1,000,000	ug/kg	310	J	54	J	29	J	<120	U	33000		<120	U
Biphenyl				ug/kg	<2100	U	<490	U	<460	U	<460	U	490	J	<440	U
4-Chloroaniline				ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
2-Nitroaniline				ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
3-Nitroaniline				ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
4-Nitroaniline				ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Dibenzofuran	132-64-9	350,000	1,000,000	ug/kg	<920	U	<210	U	<200	U	<200	U	3300		<190	U
2-Methylnapthalene				ug/kg	<1100	U	<260	U	<240	U	<240	U	830		<230	U
1,2,4,5-Tetrachlorobenzene	88-74-4			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Acetophenone	98-86-2			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
2,4,6-Trichlorophenol				ug/kg	<550	U	<130	U	<120	U	<120	U	<140	U	<120	U
4-Chloro-3-Methylphenol (p-Chloro-m-cresol)	59-50-7			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
2-Chlorophenol				ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
2,4-Dichlorophenol				ug/kg	<830	U	<190	U	<180	U	<180	U	<210	U	<170	U
2,4-Dimethylphenol				ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
2-Nitrophenol				ug/kg	<2000	U	<460	U	<440	U	<440	U	<500	U	<420	U
4-Nitrophenol				ug/kg	<1300	U	<300	U	<280	U	<280	U	<320	U	<270	U
2,4-Dinitrophenol				ug/kg	<4400	U	<1000	U	<980	U	<980	U	<1100	U	<930	U
4,6-Dinitro-o-cresol				ug/kg	<2400	U	<560	U	<530	U	<530	U	<600	U	<500	U
Pentachlorophenol	87-86-5	6,700	55,000	ug/kg	<740	U	<170	U	<160	U	<160	U	<180	U	<160	U
Phenol	108-95-2	500,000	1,000,000	ug/kg	<920	U	<210	U	<200	U	<200	U	210	J	<190	U
2-Methylphenol (O-Cresol)	95-48-7	500,000	1,000,000	ug/kg	<920	U	<210	U	<200	U	<200	U	71	J	<190	U
3-Methylphenol/4-Methylphenol (Cresols, M & P)	MEPH1314	500,000	1,000,000	ug/kg	<1300	U	81	J	<290	U	<290	U	270	J	<280	U
2,4,5-Trichlorophenol				ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
Carbazole	86-74-8			ug/kg	<920	U	<210	U	<160	U	<200	U	1600		<190	U
Atrazine	1912-24-9			ug/kg	<740	U	<170	U	<160	U	<160	U	<180	U	<160	U
Benzaldehyde	100-52-7			ug/kg	<1200	U	<280	U	<270	U	<270	U	<300	U	<260	U
Caprolactam	105-60-2			ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U
2,3,4,6-Tetrachlorophenol				ug/kg	<920	U	<210	U	<200	U	<200	U	<230	U	<190	U

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Analytes	CAS Number	Part 375 SCOs		Units	SB-BCP-12-4 to 6-07152022		SB-BCP-12-8 to 9-07152022		MW-BCP-13A-2 to 4-07132022		MW-BCP-13A-10 to 12-07132022		MW-BCP-11A-2 to 4-07142022		MW-BCP-11A-12 to 14-07142022	
		Commercial	Industrial													
				Sample Date:	7/15/2022		7/15/2022		7/13/2022		7/13/2022		7/14/2022		7/14/2022	
				Sample Interval:	4 to 6 feet		8 to 9 feet		2 to 4 feet		10 to 12 feet		2 to 4 feet		12 to 14 feet	
				Formation/Location:	Lower Fill		Upper Clay		Lower Fill		Upper Clay		Upper Clay		Lower Clay	
TAL Metals (SW6010)																
Aluminum	7429-90-5			mg/kg	5240		10200		12300		4560		7850		6530	
Antimony	7440-36-0			mg/kg	1.72	J	<4.95	U	0.83	J	<4.65	U	<5.19	U	<4.49	U
Arsenic	7440-38-2	16	16	mg/kg	5.8		6.68		6.22		2.56		11.4		4.67	
Barium	7440-39-3	400	10,000	mg/kg	136		136		107		56.3		227		79.7	
Beryllium	7440-41-7	590	2,700	mg/kg	0.326	J	0.467	J	0.625		0.126	J	0.516	J	0.354	J
Cadmium	7440-43-9	9.3	60	mg/kg	0.365	J	0.984	J	0.674	J	0.369	J	0.748	J	0.293	J
Calcium	7440-70-2			mg/kg	2770		21600		4450		115000		29600		31200	
Chromium, Total	7440-47-3			mg/kg	9.16		16.6		17.4		7.67		18.5		10.2	
Cobalt	7440-48-4			mg/kg	4.62		7.02		12.9		4.33		5.77		5.29	
Copper	7440-50-8	270	10,000	mg/kg	61.3		30.8		21.2		11		115		14	
Iron	7439-89-6			mg/kg	9520		19400		22700		9310		25300		13200	
Lead	7439-92-1	1,000	3,900	mg/kg	201		598		9.06		9.85		707		66.5	
Magnesium	7439-95-4			mg/kg	7860		7350		6740		28600		5370		8730	
Manganese	7439-96-5	10,000	10,000	mg/kg	312		276		432		316		341		235	
Nickel	7440-02-0	310	10,000	mg/kg	12		15		24.5		9.05		16.8		9.5	
Potassium	7440-09-7			mg/kg	604		1180		1420		939		645		606	
Selenium	7782-49-2	1,500	6,800	mg/kg	<1.73	U	1.31	J	0.644	J	<1.94	U	1.26	J	0.315	J
Silver	7440-22-4	1,500	6,800	mg/kg	<0.866	U	<0.991	U	<0.976	U	<0.971	U	0.326	J	<0.897	U
Sodium	7440-23-5			mg/kg	101	J	118	J	315		232		181	J	71.4	
Thallium	7440-28-0			mg/kg	<1.73	U	<1.98	U	<1.95	U	<1.94	U	<2.07	U	<1.79	U
Vanadium	7440-62-2			mg/kg	19.5		22.7		23.3		11.1		22.2		15.4	
Zinc	7440-66-6	10,000	10,000	mg/kg	146		458		54.7		43.5		264.0		68.7	
Mercury (SW7471)																
Mercury	7439-97-6	2.8	5.7	mg/kg	0.736		3.67		<0.095	U	<0.081	U	1.76		0.052	J
PCBs (8082A)																
PCB-1016 (Aroclor 1016)	12674-11-2	1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1221 (Aroclor 1221)	11104-28-2	1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1232 (Aroclor 1232)	11141-16-5	1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1242 (Aroclor 1242)	53469-21-9	1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1248 (Aroclor 1248)	12672-29-6	1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1254 (Aroclor 1254)	11097-69-1	1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1260 (Aroclor 1260)	11096-82-5	1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1262 (Aroclor 1262)		1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
PCB-1268 (Aroclor 1268)		1000	25000	ug/kg	<35.7	U	<43.2	U	NS	NS	NS	NS	NS	NS	NS	NS
Total Solids																
Total Solids				%	88.1		76.1		81.3		80.1		72.2		83.6	

Table 2
Sub-Surface Site Investigation Groundwater Data

Analytes	Class GA Ambient Water Quality Standards and Guidance Values	Units	MW-BCP-11A		MW-BCP-02A		MW-BCP-03A		MW-BCP-13A	
	Sample Date		9/1/2022		9/1/2022		9/1/2022		9/1/2022	
	Location:		750. E. Ferry		750. E. Ferry		750. E. Ferry		750. E. Ferry	
	Sample Type:		Groundwater		Groundwater		Groundwater		Groundwater	
TOC VOCs (SW8260C)										
1,1,1-Trichloroethane (TCA)	5	ug/l	<2.5	U	<0.70	U	<1.4	U	<0.70	U
1,1,2,2-Tetrachloroethane	5	ug/l	<0.17	U	<0.17	U	<0.33	U	<1.7	U
1,1,2-Trichloroethane	1	ug/l	<1.0	U	<0.50	U	<1.0	U	<0.50	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	ug/l	NS		NS		NS		NS	
1,1-Dichloroethane	5	ug/l	<1.4	U	<0.70	U	<1.4	U	<0.70	U
1,1-Dichloroethene	5	ug/l	<0.17	U	<0.17	U	<0.34	U	<0.17	U
1,2,3-Trichlorobenzene	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
1,2,4-Trichlorobenzene	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
1,2-Dibromo-3-Chloropropane	0.04	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ug/l	<0.65	U	<0.65	U	<1.3	U	<0.65	U
1,2-Dichlorobenzene	3	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
1,2-Dichloroethane	0.6	ug/l	<1.4	U	<0.13	U	<0.26	U	<0.13	U
1,2-Dichloropropane	1	ug/l	<0.27	U	<0.14	U	<0.27	U	<0.14	U
1,3-Dichlorobenzene	3	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
1,4-Dichlorobenzene	3	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
1,4-Dioxane (P-Dioxane)		ug/l	<61	U	<61	U	<120	U	<61	U
Methyl Ethyl Ketone (2-Butanone)	50	ug/l	<1.9	U	<1.9	U	<3.9	U	<1.9	U
2-Hexanone	50	ug/l	<1.0	U	<1.0	U	<2.0	U	<1.0	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)		ug/l	<1.0	U	<1.0	U	<2.0	U	<1.0	U
Acetone	50	ug/l	<1.5	U	<1.5	U	<2.9	U	<1.5	U
Benzene	1	ug/l	<0.16	U	<0.16	U	<0.32	U	<0.16	U
Bromochloromethane	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Bromodichloromethane	50	ug/l	<1.0	U	<0.19	U	<0.38	U	<0.19	U
Bromoform	50	ug/l	<0.65	U	<0.65	U	<1.3	U	<0.65	U
Bromomethane	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Carbon Disulfide		ug/l	<1.0	U	<1.0	U	<2.0	U	<1.0	U
Carbon Tetrachloride	5	ug/l	<1.4	U	<0.13	U	<0.27	U	<0.13	U
Chlorobenzene	5	ug/l	<2.5	U	<0.70	U	<1.4	U	<0.70	U
Chloroethane	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Chloroform	7	ug/l	<2.5	U	<0.70	U	<1.4	U	<0.70	U
Chloromethane	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Cyclohexane		ug/l	<0.27	U	<0.27	U	<0.54	U	<0.27	U
Dibromochloromethane	50	ug/l	<1.4	U	<0.15	U	<0.30	U	<0.15	U
Dichlorodifluoromethane	5	ug/l	<1.0	U	<1.0	U	<2.0	U	<1.0	U
Methylene Chloride	5	ug/l	<1.4	U	<0.70	U	<1.4	U	<0.70	U
Ethylbenzene	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Isopropylbenzene (Cumene)	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Methyl Acetate		ug/l	<0.23	U	<0.23	U	<1.4	U	<0.23	U
Tert-Butyl Methyl Ether		ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Methylcyclohexane		ug/l	0.42	J	<0.40	U	<0.79	U	<0.40	U
Styrene	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Tetrachloroethylene (PCE)	5	ug/l	<0.50	U	<0.18	U	<0.36	U	<0.18	U
Toluene	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Trichloroethylene (TCE)	5	ug/l	<0.18	U	<0.18	U	<0.35	U	<0.18	U
Trichlorofluoromethane	5	ug/l	<2.5	U	<0.70	U	<1.4	U	<0.70	U
Vinyl Chloride	2	ug/l	<0.07	U	<0.07	U	<0.14	U	<0.07	U
Cis-1,2-Dichloroethylene	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Cis-1,3-Dichloropropene	0.4	ug/l	<0.14	U	<0.14	U	<0.29	U	<0.14	U
m,p-Xylene	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
O-Xylene (1,2-Dimethylbenzene)	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Trans-1,2-Dichloroethene	5	ug/l	<0.70	U	<0.70	U	<1.4	U	<0.70	U
Trans-1,3-Dichloropropene	0.4	ug/l	<0.16	U	<0.16	U	<0.33	U	<0.16	U

Table 2
Sub-Surface Site Investigation Groundwater Data

Analytes	Class GA Ambient Water Quality Standards and Guidance Values		Units	MW-BCP-11A		MW-BCP-02A		MW-BCP-03A		MW-BCP-13A	
		Sample Date		9/1/2022		9/1/2022		9/1/2022		9/1/2022	
		Location:		750. E. Ferry		750. E. Ferry		750. E. Ferry		750. E. Ferry	
		Sample Type:		Groundwater		Groundwater		Groundwater		Groundwater	
TCL SVOCs (SW8270D)											
1,2,4,5-Tetrachlorobenzene		5	ug/l	<0.44	U	<0.44	U	<0.44	U	<0.44	U
2,3,4,6-Tetrachlorophenol			ug/l								
2,4,5-Trichlorophenol			ug/l	<0.77	U	<0.77	U	<0.77	U	<0.77	U
2,4,6-Trichlorophenol			ug/l	<0.61	U	<0.61	U	<0.61	U	<0.61	U
2,4-Dichlorophenol		5	ug/l	<0.41	U	<0.41	U	<0.41	U	<0.41	U
2,4-Dimethylphenol		50	ug/l	<1.8	U	<1.8	U	<1.8	U	<1.8	U
2,4-Dinitrophenol		10	ug/l	<6.6	U	<6.6	U	<6.6	U	<6.6	U
2,4-Dinitrotoluene		5	ug/l	<1.2	U	<1.2	U	<1.2	U	<1.2	U
2,6-Dinitrotoluene		5	ug/l	<0.93	U	<0.93	U	<0.93	U	<0.93	U
2-Chloronaphthalene		10	ug/l	<0.02	U	<0.02	U	<0.02	U	<0.02	U
2-Chlorophenol			ug/l	<0.48	U	<0.48	U	<0.48	U	<0.48	U
2-Methylnaphthalene	NC		ug/l	0.04	J	0.03	J	5.4		0.12	
2-Methylphenol (O-Cresol)			ug/l	<0.49	U	<0.49	U	<0.49	U	<0.49	U
2-Nitroaniline		5	ug/l	<0.50	U	<0.50	U	<0.50	U	<0.50	U
2-Nitrophenol			ug/l	<0.85	U	<0.85	U	<0.85	U	<0.85	U
3,3'-Dichlorobenzidine		5	ug/l	<1.6	U	<1.6	U	<1.6	U	<1.6	U
Cresols, M & P			ug/l	<0.35	U	<0.35	U	<0.35	U	<0.35	U
3-Nitroaniline		5	ug/l	<0.81	U	<0.81	U	<0.81	U	<0.81	U
4,6-Dinitro-2-Methylphenol			ug/l	<1.8	U	<1.8	U	<1.8	U	<1.8	U
4-Bromophenyl Phenyl Ether			ug/l	<0.38	U	<0.38	U	<0.38	U	<0.38	U
4-Chloro-3-Methylphenol			ug/l	<0.43	U	<0.48	U	<0.48	U	<0.48	U
4-Chloroaniline		5	ug/l	<1.1	U	<1.1	U	<1.1	U	<1.1	U
4-Chlorophenyl Phenyl Ether			ug/l	<0.49	U	<0.49	U	<0.49	U	<0.49	U
4-Nitroaniline		5	ug/l	<0.80	U	<0.80	U	<0.80	U	<0.80	U
4-Nitrophenol			ug/l	<0.67	U	<0.67	U	<0.67	U	<0.67	U
Acenaphthene		20	ug/l	0.13		0.07	J	<0.01	U	0.24	
Acenaphthylene			ug/l	0.35		0.04	J	7.7		0.05	J
Acetophenone			ug/l	<0.53	U	<0.53	U	<0.53	U	<0.53	U
Anthracene		50	ug/l	0.32		0.1		24		0.38	
Atrazine		7.5	ug/l	NS		NS		NS		NS	
Benzo(A)Anthracene		0.002	ug/l	9.4		0.33		24		5.1	
Benzaldehyde			ug/l	NS		NS		NS		NS	
Benzo(A)Pyrene	NC		ug/l	9..2		0.34		18		5.9	
Benzo(B)Fluoranthene		0.002	ug/l	13		0.57		43		10	
Benzo(G,H,I)Perylene			ug/l	6.4		0.36		21		5.6	
Benzo(K)Fluoranthene		0.002	ug/l	4.5		0.23		12		3	
Biphenyl (Diphenyl)		5	ug/l	<0.46	U	<0.46	U	<0.46	U	<0.46	U
Bis(2-Chloroisopropyl) Ether		5	ug/l	<0.53	U	<0.53	U	<0.53	U	<0.53	U
Bis(2-Chloroethoxy) Methane		5	ug/l	<0.50	U	<0.50	U	<0.50	U	<0.50	U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)		1	ug/l	<0.50	U	<0.50	U	<0.50	U	<0.50	U
Bis(2-Ethylhexyl) Phthalate		5	ug/l	2.7	J	3.1		5.9		3.1	
Benzyl Butyl Phthalate		50	ug/l	<1.2	U	<1.2		<1.2	U	<1.2	U
Caprolactam			ug/l	NS		NS		NS		NS	
Carbazole			ug/l	<0.49	U	<0.49	U	<0.49	U	<0.49	U
Chrysene		0.002	ug/l	8.2		0.42		31		6.6	
Di-N-Butyl Phthalate		50	ug/l	<0.39	U	<0.39	U	<0.39	U	0.42	J
Di-N-Octylphthalate		50	ug/l	<1.3	U	<1.3	U	<1.3	U	<1.3	U
Dibenz(A,H)Anthracene			ug/l	1.7		0.16		6.5		1.6	
Dibenzofuran			ug/l	<0.50	U	<0.50	U	<0.50	U	<0.50	U
Diethyl Phthalate		50	ug/l	<0.38	U	<0.38	U	<0.38	U	<0.38	U
Dimethyl Phthalate		50	ug/l	<1.8	U	<1.8	U	<1.8	U	<1.8	U
Fluoranthene		50	ug/l	4.1		0.55		40		6	
Fluorene		50	ug/l	0.17		0.1	J	24		0.15	
Hexachlorobenzene		0.04	ug/l	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Hexachlorobutadiene		0.5	ug/l	<0.05	U	<0.05	U	<0.05	U	<0.05	U
Hexachlorocyclopentadiene		5	ug/l	<0.69	U	<0.69	U	<0.69	U	<0.69	U
Hexachloroethane		5	ug/l	<0.06	U	<0.06	U	<0.06	U	<0.06	U
Indeno(1,2,3-C,D)Pyrene		0.002	ug/l	7.8		0.38		22		6	
Isophorone		50	ug/l	<1.2	U	<1.2	U	<1.2	U	<1.2	U
N-Nitrosodi-N-Propylamine			ug/l	<0.64	U	<0.64	U	<0.64	U	<0.64	U
N-Nitrosodiphenylamine		50	ug/l	<0.42	U	<0.42	U	<0.42	U	<0.42	U
Naphthalene		10	ug/l	0.07	J	0.05	J	6		0.18	
Nitrobenzene		0.4	ug/l	<0.77	U	<0.77	U	<0.77	U	<0.77	U
Pentachlorophenol		1	ug/l	<0.01	U	<0.01	U	<0.01	U	<0.01	U
Phenanthrene		50	ug/l	0.42		0.36		78		2.2	
Phenol		1	ug/l	<0.57	U	<0.57	U	<0.57	U	<0.57	U
Pyrene		50	ug/l	3.9		0.48		56		5.4	

Table 2
Sub-Surface Site Investigation Groundwater Data

Analytes	Class GA Ambient Water Quality Standards and Guidance Values	Units	MW-BCP-11A		MW-BCP-02A		MW-BCP-03A		MW-BCP-13A	
		Sample Date	9/1/2022		9/1/2022		9/1/2022		9/1/2022	
		Location:	750. E. Ferry		750. E. Ferry		750. E. Ferry		750. E. Ferry	
		Sample Type:	Groundwater		Groundwater		Groundwater		Groundwater	
TAL Metals (SW6010)										
Aluminum	NC	ug/l	45300		8570		112000		2720	
Antimony	3	ug/l	<0.42	U	1.64	J	2.48	J	0.43	J
Arsenic	25	ug/l	12.66		6.58		46.2		3.15	
Barium	1,000	ug/l	802.1		161.2		2201		186	
Beryllium	3	ug/l	1.79		0.3	J	5.1		0.21	J
Cadmium	5	ug/l	0.96		0.17	J	18.62		0.15	J
Calcium		ug/l	381000		98300		641000		145000	
Chromium, Total	50	ug/l	71.5		19.12		226.5		4.01	
Cobalt	NC	ug/l	38.9		4.58		104		1.63	
Copper	200	ug/l	99.92		72.9		1319		40.1	
Iron	300	ug/l	74600		11800		244000		4180	
Lead	25	ug/l	246.1		40.16		4874		33.03	
Magnesium	35,000	ug/l	137000		114000		152000		128000	
Manganese	300	ug/l	2934		331		7104		175.1	
Nickel	100	ug/l	86.9		21.8		270.7		7.48	
Potassium		ug/l	8550		3420		19100		9810	
Selenium	10	ug/l	9.43		<1.73	U	24.3		<1.73	U
Silver	50	ug/l	0.33	J	<0.16	U	4.6		<0.16	U
Sodium	20,000	ug/l	28800		9640		36900		435000	
Thallium	0.5	ug/l	0.53	J	<0.14	U	2.4		<0.14	U
Vanadium	NC	ug/l	85.3		21.7		275.4		6.75	
Zinc	2,000	ug/l	370.6		61.5		7142		17.56	
Mercury (SW7470)										
Mercury	0.7	ug/l	0.35		0.1	J	47.25		0.17	J

Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L2237292
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	750 EAST FERRY
Project Number:	E. FERRY DRIVING
Report Date:	07/27/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2237292-01	SB-BCP-04-2 TO 4-07132022	SOIL	750 EAST FERRY BUFFALO, NY	07/13/22 10:40	07/13/22
L2237292-02	SB-BCP-05-2 TO 4-07132022	SOIL	750 EAST FERRY BUFFALO, NY	07/13/22 11:25	07/13/22
L2237292-03	SB-BCP-05-8 TO 10-07132022	SOIL	750 EAST FERRY BUFFALO, NY	07/13/22 11:20	07/13/22
L2237292-04	MW-BCP-13A-2 TO 4-07132022	SOIL	750 EAST FERRY BUFFALO, NY	07/13/22 13:35	07/13/22
L2237292-05	MW-BCP-13A-10 TO 12-07132022	SOIL	750 EAST FERRY BUFFALO, NY	07/13/22 13:40	07/13/22

Project Name:	750 EAST FERRY	**Lab Number:**	L2237292
Project Number:	E. FERRY DRIVING	**Report Date:**	07/27/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	750 EAST FERRY	**Lab Number:**	L2237292
Project Number:	E. FERRY DRIVING	**Report Date:**	07/27/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2237292-01, -04, and -05: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

L2237292-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

L2237292-01 through-05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 07/27/22

ORGANICS

VOLATILES

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-01
Client ID: SB-BCP-04-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 10:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/20/22 15:24
Analyst: NLK
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-01 Date Collected: 07/13/22 10:40

Client ID: SB-BCP-04-2 TO 4-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	8.7	J	ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
2-Hexanone	ND		ug/kg	13	1.6	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
Methyl Acetate	ND		ug/kg	5.3	1.2	1
Cyclohexane	ND		ug/kg	13	0.72	1
Freon-113	ND		ug/kg	5.3	0.92	1
Methyl cyclohexane	ND		ug/kg	5.3	0.80	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-04
Client ID: MW-BCP-13A-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 13:35
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/20/22 15:50
Analyst: NLK
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-04 Date Collected: 07/13/22 13:35

Client ID: MW-BCP-13A-2 TO 4-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	71		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	7.5	J	ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.74	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Cyclohexane	ND		ug/kg	11	0.62	1
Freon-113	ND		ug/kg	4.5	0.78	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-05
Client ID: MW-BCP-13A-10 TO 12-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 13:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/20/22 16:16
Analyst: NLK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-05 Date Collected: 07/13/22 13:40

Client ID: MW-BCP-13A-10 TO 12-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
2-Hexanone	ND		ug/kg	13	1.6	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
Methyl Acetate	ND		ug/kg	5.3	1.3	1
Cyclohexane	ND		ug/kg	13	0.72	1
Freon-113	ND		ug/kg	5.3	0.92	1
Methyl cyclohexane	ND		ug/kg	5.3	0.80	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/22 13:39
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-05 Batch: WG1665627-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/22 13:39
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-05 Batch: WG1665627-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	0.65	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/20/22 13:39
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,04-05 Batch: WG1665627-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-05 Batch: WG1665627-3 WG1665627-4								
Methylene chloride	74		74		70-130	0		30
1,1-Dichloroethane	73		73		70-130	0		30
Chloroform	74		73		70-130	1		30
Carbon tetrachloride	75		74		70-130	1		30
1,2-Dichloropropane	74		72		70-130	3		30
Dibromochloromethane	77		78		70-130	1		30
1,1,2-Trichloroethane	74		74		70-130	0		30
Tetrachloroethene	78		77		70-130	1		30
Chlorobenzene	74		73		70-130	1		30
Trichlorofluoromethane	74		73		70-139	1		30
1,2-Dichloroethane	74		74		70-130	0		30
1,1,1-Trichloroethane	76		75		70-130	1		30
Bromodichloromethane	75		75		70-130	0		30
trans-1,3-Dichloropropene	76		76		70-130	0		30
cis-1,3-Dichloropropene	76		76		70-130	0		30
Bromoform	77		77		70-130	0		30
1,1,2,2-Tetrachloroethane	**69**	Q	**63**	Q	70-130	9		30
Benzene	73		72		70-130	1		30
Toluene	73		72		70-130	1		30
Ethylbenzene	74		74		70-130	0		30
Chloromethane	72		71		52-130	1		30
Bromomethane	69		67		57-147	3		30
Vinyl chloride	73		71		67-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: E. FERRY DRIVING

Lab Number: L2237292

Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-05 Batch: WG1665627-3 WG1665627-4								
Chloroethane	68		67		50-151	1		30
1,1-Dichloroethene	76		76		65-135	0		30
trans-1,2-Dichloroethene	76		74		70-130	3		30
Trichloroethene	75		79		70-130	5		30
1,2-Dichlorobenzene	76		75		70-130	1		30
1,3-Dichlorobenzene	77		76		70-130	1		30
1,4-Dichlorobenzene	76		74		70-130	3		30
Methyl tert butyl ether	77		77		66-130	0		30
p/m-Xylene	76		75		70-130	1		30
o-Xylene	76		76		70-130	0		30
cis-1,2-Dichloroethene	74		74		70-130	0		30
Styrene	**68**	Q	**68**	Q	70-130	0		30
Dichlorodifluoromethane	79		78		30-146	1		30
Acetone	71		72		54-140	1		30
Carbon disulfide	70		69		59-130	1		30
2-Butanone	74		75		70-130	1		30
4-Methyl-2-pentanone	74		73		70-130	1		30
2-Hexanone	71		72		70-130	1		30
1,2-Dibromoethane	77		77		70-130	0		30
n-Butylbenzene	76		74		70-130	3		30
sec-Butylbenzene	76		74		70-130	3		30
tert-Butylbenzene	77		76		70-130	1		30
1,2-Dibromo-3-chloropropane	74		78		68-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04-05 Batch: WG1665627-3 WG1665627-4								
Isopropylbenzene	76		75		70-130	1		30
p-Isopropyltoluene	78		77		70-130	1		30
Naphthalene	78		78		70-130	0		30
n-Propylbenzene	75		74		70-130	1		30
1,2,4-Trichlorobenzene	78		78		70-130	0		30
1,3,5-Trimethylbenzene	77		75		70-130	3		30
1,2,4-Trimethylbenzene	77		75		70-130	3		30
Methyl Acetate	70		70		51-146	0		30
Cyclohexane	75		73		59-142	3		30
Freon-113	77		75		50-139	3		30
Methyl cyclohexane	73		72		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-01
Client ID: SB-BCP-04-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 10:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 03:22
Analyst: EK
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	550	71.	1
Hexachlorobenzene	ND		ug/kg	410	77.	1
Bis(2-chloroethyl)ether	ND		ug/kg	620	93.	1
2-Chloronaphthalene	ND		ug/kg	680	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	680	180	1
2,4-Dinitrotoluene	ND		ug/kg	680	140	1
2,6-Dinitrotoluene	ND		ug/kg	680	120	1
Fluoranthene	400	J	ug/kg	410	79.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	680	73.	1
4-Bromophenyl phenyl ether	ND		ug/kg	680	100	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	820	120	1
Bis(2-chloroethoxy)methane	ND		ug/kg	740	69.	1
Hexachlorobutadiene	ND		ug/kg	680	100	1
Hexachlorocyclopentadiene	ND		ug/kg	2000	620	1
Hexachloroethane	ND		ug/kg	550	110	1
Isophorone	ND		ug/kg	620	89.	1
Naphthalene	ND		ug/kg	680	83.	1
Nitrobenzene	ND		ug/kg	620	100	1
NDPA/DPA	ND		ug/kg	550	78.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	680	100	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	680	240	1
Butyl benzyl phthalate	ND		ug/kg	680	170	1
Di-n-butylphthalate	ND		ug/kg	680	130	1
Di-n-octylphthalate	ND		ug/kg	680	230	1
Diethyl phthalate	ND		ug/kg	680	63.	1
Dimethyl phthalate	ND		ug/kg	680	140	1
Benzo(a)anthracene	310	J	ug/kg	410	77.	1
Benzo(a)pyrene	460	J	ug/kg	550	170	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-01 Date Collected: 07/13/22 10:40

Client ID: SB-BCP-04-2 TO 4-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	700		ug/kg	410	120	1
Benzo(k)fluoranthene	210	J	ug/kg	410	110	1
Chrysene	420		ug/kg	410	71.	1
Acenaphthylene	ND		ug/kg	550	100	1
Anthracene	ND		ug/kg	410	130	1
Benzo(ghi)perylene	340	J	ug/kg	550	81.	1
Fluorene	ND		ug/kg	680	67.	1
Phenanthrene	190	J	ug/kg	410	83.	1
Dibenzo(a,h)anthracene	95	J	ug/kg	410	79.	1
Indeno(1,2,3-cd)pyrene	350	J	ug/kg	550	96.	1
Pyrene	380	J	ug/kg	410	68.	1
Biphenyl	ND		ug/kg	1600	89.	1
4-Chloroaniline	ND		ug/kg	680	120	1
2-Nitroaniline	ND		ug/kg	680	130	1
3-Nitroaniline	ND		ug/kg	680	130	1
4-Nitroaniline	ND		ug/kg	680	280	1
Dibenzofuran	ND		ug/kg	680	65.	1
2-Methylnaphthalene	ND		ug/kg	820	83.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	680	72.	1
Acetophenone	ND		ug/kg	680	85.	1
2,4,6-Trichlorophenol	ND		ug/kg	410	130	1
p-Chloro-m-cresol	ND		ug/kg	680	100	1
2-Chlorophenol	ND		ug/kg	680	81.	1
2,4-Dichlorophenol	ND		ug/kg	620	110	1
2,4-Dimethylphenol	ND		ug/kg	680	230	1
2-Nitrophenol	ND		ug/kg	1500	260	1
4-Nitrophenol	ND		ug/kg	960	280	1
2,4-Dinitrophenol	ND		ug/kg	3300	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	1800	330	1
Pentachlorophenol	ND		ug/kg	550	150	1
Phenol	ND		ug/kg	680	100	1
2-Methylphenol	ND		ug/kg	680	110	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	990	110	1
2,4,5-Trichlorophenol	ND		ug/kg	680	130	1
Carbazole	ND		ug/kg	680	67.	1
Atrazine	ND		ug/kg	550	240	1
Benzaldehyde	ND		ug/kg	900	180	1

Project Name: 750 EAST FERRY
Lab Number: L2237292
Project Number: E. FERRY DRIVING
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-01
Client ID: SB-BCP-04-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 10:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	680	210	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	680	140	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	70		18-120

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-02
Client ID: SB-BCP-05-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 11:25
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 02:58
Analyst: EK
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	74	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	57	J	ug/kg	120	22.	1
Benzo(a)pyrene	87	J	ug/kg	160	49.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-02 Date Collected: 07/13/22 11:25

Client ID: SB-BCP-05-2 TO 4-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	110	J	ug/kg	120	34.	1
Benzo(k)fluoranthene	45	J	ug/kg	120	32.	1
Chrysene	70	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	53	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	32	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	58	J	ug/kg	160	28.	1
Pyrene	69	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-02 Date Collected: 07/13/22 11:25

Client ID: SB-BCP-05-2 TO 4-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	65		18-120

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-03
Client ID: SB-BCP-05-8 TO 10-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 11:20
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 01:47
Analyst: EK
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-03 Date Collected: 07/13/22 11:20

Client ID: SB-BCP-05-8 TO 10-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	52.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-03 Date Collected: 07/13/22 11:20

Client ID: SB-BCP-05-8 TO 10-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	75		18-120

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-04
Client ID: MW-BCP-13A-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 13:35
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 04:09
Analyst: EK
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	37	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-04 Date Collected: 07/13/22 13:35

Client ID: MW-BCP-13A-2 TO 4-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	29	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	71.	1
Benzaldehyde	ND		ug/kg	270	55.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-04 Date Collected: 07/13/22 13:35

Client ID: MW-BCP-13A-2 TO 4-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	62.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	72		18-120

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-05
Client ID: MW-BCP-13A-10 TO 12-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 13:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 01:23
Analyst: EK
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-05 Date Collected: 07/13/22 13:40

Client ID: MW-BCP-13A-10 TO 12-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	71.	1
Benzaldehyde	ND		ug/kg	270	55.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237292

Project Number: E. FERRY DRIVING **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-05 Date Collected: 07/13/22 13:40

Client ID: MW-BCP-13A-10 TO 12-07132022 Date Received: 07/13/22

Sample Location: 750 EAST FERRY BUFFALO, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	62.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	71		18-120

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1664944-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1664944-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1664944-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1664944-2 WG1664944-3								
Acenaphthene	72		72		31-137	0		50
Hexachlorobenzene	82		77		40-140	6		50
Bis(2-chloroethyl)ether	67		67		40-140	0		50
2-Chloronaphthalene	77		76		40-140	1		50
3,3'-Dichlorobenzidine	68		63		40-140	8		50
2,4-Dinitrotoluene	75		73		40-132	3		50
2,6-Dinitrotoluene	79		76		40-140	4		50
Fluoranthene	75		73		40-140	3		50
4-Chlorophenyl phenyl ether	77		75		40-140	3		50
4-Bromophenyl phenyl ether	78		75		40-140	4		50
Bis(2-chloroisopropyl)ether	53		52		40-140	2		50
Bis(2-chloroethoxy)methane	70		67		40-117	4		50
Hexachlorobutadiene	78		78		40-140	0		50
Hexachlorocyclopentadiene	86		86		40-140	0		50
Hexachloroethane	68		66		40-140	3		50
Isophorone	67		64		40-140	5		50
Naphthalene	74		75		40-140	1		50
Nitrobenzene	69		67		40-140	3		50
NDPA/DPA	76		75		36-157	1		50
n-Nitrosodi-n-propylamine	66		63		32-121	5		50
Bis(2-ethylhexyl)phthalate	74		70		40-140	6		50
Butyl benzyl phthalate	71		68		40-140	4		50
Di-n-butylphthalate	74		70		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1664944-2 WG1664944-3								
Di-n-octylphthalate	71		67		40-140	6		50
Diethyl phthalate	74		72		40-140	3		50
Dimethyl phthalate	78		74		40-140	5		50
Benzo(a)anthracene	73		72		40-140	1		50
Benzo(a)pyrene	78		77		40-140	1		50
Benzo(b)fluoranthene	76		76		40-140	0		50
Benzo(k)fluoranthene	78		75		40-140	4		50
Chrysene	76		74		40-140	3		50
Acenaphthylene	78		75		40-140	4		50
Anthracene	75		73		40-140	3		50
Benzo(ghi)perylene	75		75		40-140	0		50
Fluorene	77		75		40-140	3		50
Phenanthrene	74		73		40-140	1		50
Dibenzo(a,h)anthracene	74		74		40-140	0		50
Indeno(1,2,3-cd)pyrene	79		78		40-140	1		50
Pyrene	74		73		35-142	1		50
Biphenyl	75		73		37-127	3		50
4-Chloroaniline	56		53		40-140	6		50
2-Nitroaniline	77		74		47-134	4		50
3-Nitroaniline	66		65		26-129	2		50
4-Nitroaniline	74		72		41-125	3		50
Dibenzofuran	77		75		40-140	3		50
2-Methylnaphthalene	78		77		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1664944-2 WG1664944-3								
1,2,4,5-Tetrachlorobenzene	77		76		40-117	1		50
Acetophenone	70		68		14-144	3		50
2,4,6-Trichlorophenol	82		80		30-130	2		50
p-Chloro-m-cresol	82		78		26-103	5		50
2-Chlorophenol	75		76		25-102	1		50
2,4-Dichlorophenol	82		77		30-130	6		50
2,4-Dimethylphenol	78		73		30-130	7		50
2-Nitrophenol	74		71		30-130	4		50
4-Nitrophenol	74		73		11-114	1		50
2,4-Dinitrophenol	74		75		4-130	1		50
4,6-Dinitro-o-cresol	80		77		10-130	4		50
Pentachlorophenol	83		78		17-109	6		50
Phenol	75		73		26-90	3		50
2-Methylphenol	82		78		30-130.	5		50
3-Methylphenol/4-Methylphenol	77		73		30-130	5		50
2,4,5-Trichlorophenol	83		81		30-130	2		50
Carbazole	75		74		54-128	1		50
Atrazine	77		74		40-140	4		50
Benzaldehyde	88		89		40-140	1		50
Caprolactam	63		62		15-130	2		50
2,3,4,6-Tetrachlorophenol	84		83		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: E. FERRY DRIVING

Lab Number: L2237292

Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1664944-2 WG1664944-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		77		25-120
Phenol-d6	77		75		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	79		76		30-120
2,4,6-Tribromophenol	87		84		10-136
4-Terphenyl-d14	76		72		18-120

PCBS

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-01
Client ID: SB-BCP-04-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 10:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/20/22 18:02
Analyst: MEO
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 23:38
Cleanup Method: EPA 3665A
Cleanup Date: 07/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.2	4.01	1	A
Aroclor 1221	ND		ug/kg	45.2	4.53	1	A
Aroclor 1232	ND		ug/kg	45.2	9.58	1	A
Aroclor 1242	ND		ug/kg	45.2	6.09	1	A
Aroclor 1248	ND		ug/kg	45.2	6.78	1	A
Aroclor 1254	ND		ug/kg	45.2	4.94	1	A
Aroclor 1260	ND		ug/kg	45.2	8.35	1	A
Aroclor 1262	ND		ug/kg	45.2	5.74	1	A
Aroclor 1268	ND		ug/kg	45.2	4.68	1	A
PCBs, Total	ND		ug/kg	45.2	4.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/20/22 16:53
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 07/19/22 00:07
Cleanup Method: EPA 3665A
Cleanup Date: 07/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1664417-1						
Aroclor 1016	ND		ug/kg	32.3	2.87	A
Aroclor 1221	ND		ug/kg	32.3	3.23	A
Aroclor 1232	ND		ug/kg	32.3	6.84	A
Aroclor 1242	ND		ug/kg	32.3	4.35	A
Aroclor 1248	ND		ug/kg	32.3	4.84	A
Aroclor 1254	ND		ug/kg	32.3	3.53	A
Aroclor 1260	ND		ug/kg	32.3	5.96	A
Aroclor 1262	ND		ug/kg	32.3	4.10	A
Aroclor 1268	ND		ug/kg	32.3	3.34	A
PCBs, Total	ND		ug/kg	32.3	2.87	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	43		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: E. FERRY DRIVING

Lab Number: L2237292

Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1664417-2 WG1664417-3									
Aroclor 1016	64		61		40-140	5		50	A
Aroclor 1260	45		46		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		74		30-150	A
Decachlorobiphenyl	43		44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		76		30-150	B
Decachlorobiphenyl	49		48		30-150	B

METALS

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-01
Client ID: SB-BCP-04-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 10:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3220		mg/kg	11.2	3.02	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Antimony, Total	0.716	J	mg/kg	5.59	0.425	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Arsenic, Total	9.84		mg/kg	1.12	0.233	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Barium, Total	95.8		mg/kg	1.12	0.195	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Beryllium, Total	0.380	J	mg/kg	0.559	0.037	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Cadmium, Total	0.358	J	mg/kg	1.12	0.110	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Calcium, Total	4100		mg/kg	11.2	3.91	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Chromium, Total	5.40		mg/kg	1.12	0.107	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Cobalt, Total	6.21		mg/kg	2.24	0.186	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Copper, Total	182		mg/kg	1.12	0.288	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Iron, Total	6890		mg/kg	5.59	1.01	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Lead, Total	189		mg/kg	5.59	0.300	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Magnesium, Total	282		mg/kg	11.2	1.72	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Manganese, Total	210		mg/kg	1.12	0.178	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.099	0.064	1	07/19/22 21:17	07/24/22 14:34	EPA 7471B	1,7471B	AW
Nickel, Total	10.7		mg/kg	2.80	0.271	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Potassium, Total	424		mg/kg	280	16.1	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Selenium, Total	0.414	J	mg/kg	2.24	0.288	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	1.12	0.316	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Sodium, Total	47.9	J	mg/kg	224	3.52	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	2.24	0.352	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Vanadium, Total	21.6		mg/kg	1.12	0.227	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW
Zinc, Total	96.1		mg/kg	5.59	0.328	2	07/19/22 20:40	07/21/22 09:03	EPA 3050B	1,6010D	EW

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-02
Client ID: SB-BCP-05-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 11:25
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8250		mg/kg	9.54	2.58	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Antimony, Total	0.448	J	mg/kg	4.77	0.362	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Arsenic, Total	5.39		mg/kg	0.954	0.198	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Barium, Total	75.6		mg/kg	0.954	0.166	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Beryllium, Total	0.343	J	mg/kg	0.477	0.032	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Cadmium, Total	0.610	J	mg/kg	0.954	0.094	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Calcium, Total	62000		mg/kg	47.7	16.7	10	07/19/22 20:40	07/21/22 10:24	EPA 3050B	1,6010D	NB
Chromium, Total	13.2		mg/kg	0.954	0.092	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Cobalt, Total	7.12		mg/kg	1.91	0.158	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Copper, Total	27.7		mg/kg	0.954	0.246	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Iron, Total	17000		mg/kg	4.77	0.861	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Lead, Total	14.4		mg/kg	4.77	0.256	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Magnesium, Total	13300		mg/kg	9.54	1.47	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Manganese, Total	348		mg/kg	0.954	0.152	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.084	0.055	1	07/19/22 21:17	07/24/22 14:37	EPA 7471B	1,7471B	AW
Nickel, Total	17.2		mg/kg	2.38	0.231	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Potassium, Total	1100		mg/kg	238	13.7	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Selenium, Total	0.420	J	mg/kg	1.91	0.246	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.954	0.270	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Sodium, Total	55.2	J	mg/kg	191	3.00	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.91	0.300	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Vanadium, Total	17.6		mg/kg	0.954	0.194	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW
Zinc, Total	54.0		mg/kg	4.77	0.279	2	07/19/22 20:40	07/21/22 09:08	EPA 3050B	1,6010D	EW

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-03
Client ID: SB-BCP-05-8 TO 10-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 11:20
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5400		mg/kg	9.04	2.44	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.52	0.344	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Arsenic, Total	3.11		mg/kg	0.904	0.188	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Barium, Total	55.5		mg/kg	0.904	0.157	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Beryllium, Total	0.199	J	mg/kg	0.452	0.030	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Cadmium, Total	0.434	J	mg/kg	0.904	0.089	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Calcium, Total	66400		mg/kg	45.2	15.8	10	07/19/22 20:40	07/21/22 10:28	EPA 3050B	1,6010D	NB
Chromium, Total	8.69		mg/kg	0.904	0.087	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Cobalt, Total	5.21		mg/kg	1.81	0.150	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Copper, Total	12.5		mg/kg	0.904	0.233	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Iron, Total	11200		mg/kg	4.52	0.817	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Lead, Total	9.63		mg/kg	4.52	0.242	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Magnesium, Total	17700		mg/kg	9.04	1.39	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Manganese, Total	319		mg/kg	0.904	0.144	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.086	0.056	1	07/19/22 21:17	07/24/22 14:40	EPA 7471B	1,7471B	AW
Nickel, Total	11.1		mg/kg	2.26	0.219	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Potassium, Total	807		mg/kg	226	13.0	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.81	0.233	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.904	0.256	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Sodium, Total	63.6	J	mg/kg	181	2.85	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.81	0.285	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Vanadium, Total	12.5		mg/kg	0.904	0.184	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW
Zinc, Total	46.6		mg/kg	4.52	0.265	2	07/19/22 20:40	07/21/22 09:13	EPA 3050B	1,6010D	EW

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-04
Client ID: MW-BCP-13A-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 13:35
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12300		mg/kg	9.76	2.64	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Antimony, Total	0.830	J	mg/kg	4.88	0.371	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Arsenic, Total	6.22		mg/kg	0.976	0.203	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Barium, Total	107		mg/kg	0.976	0.170	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Beryllium, Total	0.625		mg/kg	0.488	0.032	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Cadmium, Total	0.674	J	mg/kg	0.976	0.096	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Calcium, Total	4450		mg/kg	9.76	3.42	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Chromium, Total	17.4		mg/kg	0.976	0.094	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Cobalt, Total	12.9		mg/kg	1.95	0.162	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Copper, Total	21.2		mg/kg	0.976	0.252	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Iron, Total	22700		mg/kg	4.88	0.882	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Lead, Total	9.06		mg/kg	4.88	0.262	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Magnesium, Total	6740		mg/kg	9.76	1.50	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Manganese, Total	432		mg/kg	0.976	0.155	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.095	0.062	1	07/19/22 21:17	07/24/22 14:44	EPA 7471B	1,7471B	AW
Nickel, Total	24.5		mg/kg	2.44	0.236	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Potassium, Total	1420		mg/kg	244	14.0	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Selenium, Total	0.644	J	mg/kg	1.95	0.252	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.976	0.276	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Sodium, Total	315		mg/kg	195	3.08	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.95	0.308	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Vanadium, Total	23.3		mg/kg	0.976	0.198	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW
Zinc, Total	54.7		mg/kg	4.88	0.286	2	07/19/22 20:40	07/21/22 09:17	EPA 3050B	1,6010D	EW

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-05
Client ID: MW-BCP-13A-10 TO 12-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY
Date Collected: 07/13/22 13:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4560		mg/kg	9.71	2.62	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.85	0.369	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Arsenic, Total	2.56		mg/kg	0.971	0.202	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Barium, Total	56.3		mg/kg	0.971	0.169	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Beryllium, Total	0.126	J	mg/kg	0.485	0.032	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Cadmium, Total	0.369	J	mg/kg	0.971	0.095	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Calcium, Total	115000		mg/kg	48.5	17.0	10	07/19/22 20:40	07/21/22 10:33	EPA 3050B	1,6010D	NB
Chromium, Total	7.67		mg/kg	0.971	0.093	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Cobalt, Total	4.33		mg/kg	1.94	0.161	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Copper, Total	11.0		mg/kg	0.971	0.250	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Iron, Total	9310		mg/kg	4.85	0.877	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Lead, Total	9.85		mg/kg	4.85	0.260	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Magnesium, Total	28600		mg/kg	9.71	1.50	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Manganese, Total	316		mg/kg	0.971	0.154	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.081	0.053	1	07/19/22 21:17	07/24/22 14:47	EPA 7471B	1,7471B	AW
Nickel, Total	9.05		mg/kg	2.43	0.235	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Potassium, Total	939		mg/kg	243	14.0	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.94	0.250	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.971	0.275	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Sodium, Total	232		mg/kg	194	3.06	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.94	0.306	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Vanadium, Total	11.1		mg/kg	0.971	0.197	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW
Zinc, Total	43.5		mg/kg	4.85	0.284	2	07/19/22 20:40	07/21/22 09:22	EPA 3050B	1,6010D	EW

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING
Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1664683-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Arsenic, Total	0.092	J	mg/kg	0.400	0.083	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Iron, Total	ND		mg/kg	2.00	0.361	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Manganese, Total	0.084	J	mg/kg	0.400	0.064	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Sodium, Total	ND		mg/kg	80.0	1.26	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/19/22 20:40	07/21/22 07:33	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1664696-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/19/22 21:17	07/24/22 13:44	1,7471B	AW

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: E. FERRY DRIVING

Lab Number: L2237292

Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1664683-2 SRM Lot Number: D113-540								
Aluminum, Total	62		-		51-149	-		
Antimony, Total	146		-		20-250	-		
Arsenic, Total	99		-		70-130	-		
Barium, Total	89		-		75-125	-		
Beryllium, Total	91		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	88		-		70-130	-		
Cobalt, Total	95		-		75-125	-		
Copper, Total	94		-		75-125	-		
Iron, Total	90		-		36-164	-		
Lead, Total	93		-		72-128	-		
Magnesium, Total	78		-		63-138	-		
Manganese, Total	96		-		77-123	-		
Nickel, Total	94		-		70-130	-		
Potassium, Total	77		-		59-141	-		
Selenium, Total	99		-		66-134	-		
Silver, Total	92		-		70-131	-		
Sodium, Total	85		-		35-164	-		
Thallium, Total	92		-		70-130	-		
Vanadium, Total	88		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: E. FERRY DRIVING

Lab Number: L2237292

Report Date: 07/27/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1664683-2 SRM Lot Number: D113-540					
Zinc, Total	92	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1664696-2 SRM Lot Number: D113-540					
Mercury, Total	89	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664683-3 QC Sample: L2236494-12 Client ID: MS Sample												
Aluminum, Total	5060	186	5000	**0**	Q	-	-		75-125	-		20
Antimony, Total	79.7	46.5	168	**190**	Q	-	-		75-125	-		20
Arsenic, Total	18.9	11.2	23.6	**42**	Q	-	-		75-125	-		20
Barium, Total	142	186	243	**54**	Q	-	-		75-125	-		20
Beryllium, Total	0.420	4.65	3.65	**69**	Q	-	-		75-125	-		20
Cadmium, Total	1.29	4.93	6.08	97		-	-		75-125	-		20
Calcium, Total	21600	930	28400	**731**	Q	-	-		75-125	-		20
Chromium, Total	345	18.6	576	**1240**	Q	-	-		75-125	-		20
Cobalt, Total	4.45	46.5	38.0	**72**	Q	-	-		75-125	-		20
Copper, Total	167	23.2	227	**258**	Q	-	-		75-125	-		20
Iron, Total	10600	93	7590	**0**	Q	-	-		75-125	-		20
Lead, Total	941	49.3	1370	**870**	Q	-	-		75-125	-		20
Magnesium, Total	1620	930	2330	76		-	-		75-125	-		20
Manganese, Total	122	46.5	132	**21**	Q	-	-		75-125	-		20
Nickel, Total	20.1	46.5	57.1	80		-	-		75-125	-		20
Potassium, Total	1090	930	1910	88		-	-		75-125	-		20
Selenium, Total	0.540J	11.2	9.52	85		-	-		75-125	-		20
Silver, Total	0.880	27.9	22.1	76		-	-		75-125	-		20
Sodium, Total	478	930	1450	104		-	-		75-125	-		20
Thallium, Total	0.234J	11.2	7.75	**69**	Q	-	-		75-125	-		20
Vanadium, Total	19.1	46.5	45.3	**56**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664683-3 QC Sample: L2236494-12 Client ID: MS Sample										
Zinc, Total	334	46.5	623	**621**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664696-3 QC Sample: L2235917-01 Client ID: MS Sample										
Mercury, Total	ND	1.84	1.80	98		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664683-4 QC Sample: L2236494-12 Client ID: DUP Sample						
Lead, Total	941	1250	mg/kg	**28**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664696-4 QC Sample: L2235917-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2237292
Report Date: 07/27/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664683-6 QC Sample: L2236494-12 Client ID: DUP Sample						
Lead, Total	941	1200	mg/kg	**28**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-01
Client ID: SB-BCP-04-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 10:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.4		%	0.100	NA	1	-	07/18/22 19:12	121,2540G	MF

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-02
Client ID: SB-BCP-05-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 11:25
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	07/18/22 19:12	121,2540G	MF

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-03
Client ID: SB-BCP-05-8 TO 10-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 11:20
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	07/18/22 19:12	121,2540G	MF

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-04
Client ID: MW-BCP-13A-2 TO 4-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 13:35
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	07/18/22 19:12	121,2540G	MF

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237292-05
Client ID: MW-BCP-13A-10 TO 12-07132022
Sample Location: 750 EAST FERRY BUFFALO, NY

Date Collected: 07/13/22 13:40
Date Received: 07/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	07/18/22 19:12	121,2540G	MF

Lab Duplicate Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: E. FERRY DRIVING

Lab Number: L2237292

Report Date: 07/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1664378-1 QC Sample: L2233839-47 Client ID: DUP Sample						
Solids, Total	82.3	82.2	%	0		20

Project Name: 750 EAST FERRY
Project Number: E. FERRY DRIVING

Lab Number: L2237292
Report Date: 07/27/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2237292-01A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2237292-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2237292-01C	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237292-01D	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2237292-01E	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237292-01X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2237292-01Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-JUL-22 13:36**	NYTCL-8260-R2(14)
L2237292-01Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-JUL-22 13:36**	NYTCL-8260-R2(14)
L2237292-02A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2237292-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2237292-02C	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2237292-02D	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2237292-03A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2237292-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2237292-03C	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2237292-03D	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2237292-04A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2237292-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2237292-04C	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2237292-04D	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2237292-04E	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2237292-04X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2237292-04Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-JUL-22 13:36**	NYTCL-8260-R2(14)
L2237292-04Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-JUL-22 13:36**	NYTCL-8260-R2(14)
L2237292-05A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2237292-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2237292-05C	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2237292-05D	Vial Large Septa unpreserved (4oz)	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2237292-05E	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14)
L2237292-05X	Vial MeOH preserved split	A	NA		3.4	Y	Absent		NYTCL-8260-R2(14)
L2237292-05Y	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-JUL-22 13:36**	NYTCL-8260-R2(14)
L2237292-05Z	Vial Water preserved split	A	NA		3.4	Y	Absent	**19-JUL-22 13:36**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	750 EAST FERRY	**Lab Number:**	L2237292
Project Number:	E. FERRY DRIVING	**Report Date:**	07/27/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 EAST FERRY	**Lab Number:**	L2237292
Project Number:	E. FERRY DRIVING	**Report Date:**	07/27/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 EAST FERRY	**Lab Number:**	L2237292
Project Number:	E. FERRY DRIVING	**Report Date:**	07/27/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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8 Walkup Dr.
TEL: 508-898-9220
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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page | of

Date Rec'd in Lab: 7/14/22

ALPHA Job #: L2237292

Client Information

Client: INVENTUM ENG.
Address: 441 CARLISLE DRIVE SUITE C HERNDON VA
Phone: 716 553-5129
Fax:
Email: Peter.Zaffanella@inventumeng.com

Project Information

Project Name: 750 East Ferry
Project Location: 750 East Ferry Buffalo NY
Project #: E. Ferry Driving
(Use Project name as Project #) ☐
Project Manager: JOHN BLACK
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☒ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

NYSDEC CAT B. NYSDEC EQUIS

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8270 Silocs	PCB 8082	8260 VOC	6010C Metals	TS	7470A			Total Bottle
37292-01	SB-BCP-04-2to4-07132022	7/13/22	1040	Soil	P.Z.	X	X	X	X	X				
02	SB-BCP-05-2to4-07132022	7/13/22	1125	Soil	P.Z.	X			X	X	X			
03	SB-BCP-05-8TO10-07132022	7/13/22	1120	Soil	P.Z.	X			X	X	X			
04	MW-BCP-13A-2to4-07132022	07/13/22	1335	Soil	P.Z.	X		X	X	X	X			
05	MW-BCP-13A-10to12-07132022	7/13/22	1340	Soil	P.Z.	X		X	X	X	X			

Container Type	A	A	A	A	P				
Preservative	A	A	A	A	A				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	7/13/22 1540		7/13/22 1540
	7/13/22 1540		7/14/22 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2237707
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	750 EAST FERRY
Project Number:	EAST FERRY DRILLING
Report Date:	07/29/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2237707-01	MW-BCP-07A-0 TO 2-07142022	SOIL	750 EAST FERRY	07/14/22 10:40	07/14/22
L2237707-02	MW-BCP-07A-8 TO 10-07142022	SOIL	750 EAST FERRY	07/14/22 10:50	07/14/22
L2237707-03	MW-BCP-06-6 TO 8-07142022	SOIL	750 EAST FERRY	07/14/22 13:30	07/14/22
L2237707-04	MW-BCP-11A-2 TO 4-07142022	SOIL	750 EAST FERRY	07/14/22 15:20	07/14/22
L2237707-05	MW-BCP-11A-12 TO 14-07142022	SOIL	750 EAST FERRY	07/14/22 15:40	07/14/22

Project Name:	750 EAST FERRY	**Lab Number:**	L2237707
Project Number:	EAST FERRY DRILLING	**Report Date:**	07/29/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	750 EAST FERRY	**Lab Number:**	L2237707
Project Number:	EAST FERRY DRILLING	**Report Date:**	07/29/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2237707-04 and -05: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

L2237707-03: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

L2237707-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 07/29/22

ORGANICS

VOLATILES

Project Name: 750 EAST FERRY
Lab Number: L2237707
Project Number: EAST FERRY DRILLING
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-04
Client ID: MW-BCP-11A-2 TO 4-07142022
Sample Location: 750 EAST FERRY
Date Collected: 07/14/22 15:20
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/22 13:35
Analyst: JC
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	0.69		ug/kg	0.53	0.18	1
Toluene	0.98	J	ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-04 Date Collected: 07/14/22 15:20

Client ID: MW-BCP-11A-2 TO 4-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	37		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	4.8	J	ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.69	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.58	1
Freon-113	ND		ug/kg	4.3	0.74	1
Methyl cyclohexane	ND		ug/kg	4.3	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-05
Client ID: MW-BCP-11A-12 TO 14-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 15:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/22/22 13:55
Analyst: JC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-05 Date Collected: 07/14/22 15:40

Client ID: MW-BCP-11A-12 TO 14-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	22		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
2-Hexanone	ND		ug/kg	11	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	ND		ug/kg	11	0.62	1
Freon-113	ND		ug/kg	4.6	0.79	1
Methyl cyclohexane	ND		ug/kg	4.6	0.69	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/22 08:36
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1666244-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/22 08:36
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1666244-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/22/22 08:36
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1666244-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: EAST FERRY DRILLING

Lab Number: L2237707

Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1666244-3 WG1666244-4								
Methylene chloride	88		82		70-130	7		30
1,1-Dichloroethane	90		81		70-130	11		30
Chloroform	85		78		70-130	9		30
Carbon tetrachloride	84		75		70-130	11		30
1,2-Dichloropropane	90		82		70-130	9		30
Dibromochloromethane	82		78		70-130	5		30
1,1,2-Trichloroethane	88		84		70-130	5		30
Tetrachloroethene	87		78		70-130	11		30
Chlorobenzene	87		79		70-130	10		30
Trichlorofluoromethane	100		87		70-139	14		30
1,2-Dichloroethane	90		86		70-130	5		30
1,1,1-Trichloroethane	88		78		70-130	12		30
Bromodichloromethane	82		76		70-130	8		30
trans-1,3-Dichloropropene	87		82		70-130	6		30
cis-1,3-Dichloropropene	88		83		70-130	6		30
Bromoform	76		74		70-130	3		30
1,1,2,2-Tetrachloroethane	85		80		70-130	6		30
Benzene	88		79		70-130	11		30
Toluene	79		72		70-130	9		30
Ethylbenzene	86		77		70-130	11		30
Chloromethane	109		96		52-130	13		30
Bromomethane	100		89		57-147	12		30
Vinyl chloride	106		90		67-130	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: EAST FERRY DRILLING

Lab Number: L2237707

Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1666244-3 WG1666244-4								
Chloroethane	103		93		50-151	10		30
1,1-Dichloroethene	95		83		65-135	13		30
trans-1,2-Dichloroethene	85		75		70-130	13		30
Trichloroethene	87		81		70-130	7		30
1,2-Dichlorobenzene	84		79		70-130	6		30
1,3-Dichlorobenzene	86		78		70-130	10		30
1,4-Dichlorobenzene	77		72		70-130	7		30
Methyl tert butyl ether	91		88		66-130	3		30
p/m-Xylene	85		76		70-130	11		30
o-Xylene	87		78		70-130	11		30
cis-1,2-Dichloroethene	81		74		70-130	9		30
Styrene	86		79		70-130	8		30
Dichlorodifluoromethane	121		105		30-146	14		30
Acetone	123		117		54-140	5		30
Carbon disulfide	99		86		59-130	14		30
2-Butanone	102		94		70-130	8		30
4-Methyl-2-pentanone	81		82		70-130	1		30
2-Hexanone	84		83		70-130	1		30
1,2-Dibromoethane	86		83		70-130	4		30
n-Butylbenzene	90		80		70-130	12		30
sec-Butylbenzene	88		78		70-130	12		30
tert-Butylbenzene	83		74		70-130	11		30
1,2-Dibromo-3-chloropropane	74		76		68-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1666244-3 WG1666244-4								
Isopropylbenzene	85		75		70-130	13		30
p-Isopropyltoluene	85		76		70-130	11		30
Naphthalene	80		78		70-130	3		30
n-Propylbenzene	88		78		70-130	12		30
1,2,4-Trichlorobenzene	84		78		70-130	7		30
1,3,5-Trimethylbenzene	85		77		70-130	10		30
1,2,4-Trimethylbenzene	85		76		70-130	11		30
Methyl Acetate	95		96		51-146	1		30
Cyclohexane	93		80		59-142	15		30
Freon-113	98		85		50-139	14		30
Methyl cyclohexane	89		77		70-130	14		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	102		101		70-130

SEMIVOLATILES

Project Name: 750 EAST FERRY
Lab Number: L2237707
Project Number: EAST FERRY DRILLING
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-01
Client ID: MW-BCP-07A-0 TO 2-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 10:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 08:55
Analyst: ALS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	200	J	ug/kg	410	54.	1
Hexachlorobenzene	ND		ug/kg	310	58.	1
Bis(2-chloroethyl)ether	ND		ug/kg	460	70.	1
2-Chloronaphthalene	ND		ug/kg	520	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	520	140	1
2,4-Dinitrotoluene	ND		ug/kg	520	100	1
2,6-Dinitrotoluene	ND		ug/kg	520	89.	1
Fluoranthene	13000		ug/kg	310	59.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	520	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	520	79.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	620	88.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	560	52.	1
Hexachlorobutadiene	ND		ug/kg	520	76.	1
Hexachlorocyclopentadiene	ND		ug/kg	1500	470	1
Hexachloroethane	ND		ug/kg	410	84.	1
Isophorone	ND		ug/kg	460	67.	1
Naphthalene	1100		ug/kg	520	63.	1
Nitrobenzene	ND		ug/kg	460	76.	1
NDPA/DPA	ND		ug/kg	410	59.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	520	80.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	520	180	1
Butyl benzyl phthalate	ND		ug/kg	520	130	1
Di-n-butylphthalate	ND		ug/kg	520	98.	1
Di-n-octylphthalate	ND		ug/kg	520	180	1
Diethyl phthalate	ND		ug/kg	520	48.	1
Dimethyl phthalate	ND		ug/kg	520	110	1
Benzo(a)anthracene	14000		ug/kg	310	58.	1
Benzo(a)pyrene	18000		ug/kg	410	130	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-01 Date Collected: 07/14/22 10:40

Client ID: MW-BCP-07A-0 TO 2-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	23000	E	ug/kg	310	87.	1
Benzo(k)fluoranthene	6000		ug/kg	310	83.	1
Chrysene	13000		ug/kg	310	54.	1
Acenaphthylene	4500		ug/kg	410	80.	1
Anthracene	2800		ug/kg	310	100	1
Benzo(ghi)perylene	11000		ug/kg	410	61.	1
Fluorene	630		ug/kg	520	50.	1
Phenanthrene	2900		ug/kg	310	63.	1
Dibenzo(a,h)anthracene	2700		ug/kg	310	60.	1
Indeno(1,2,3-cd)pyrene	13000		ug/kg	410	72.	1
Pyrene	17000		ug/kg	310	51.	1
Biphenyl	96	J	ug/kg	1200	67.	1
4-Chloroaniline	ND		ug/kg	520	94.	1
2-Nitroaniline	ND		ug/kg	520	100	1
3-Nitroaniline	ND		ug/kg	520	97.	1
4-Nitroaniline	ND		ug/kg	520	210	1
Dibenzofuran	440	J	ug/kg	520	49.	1
2-Methylnaphthalene	490	J	ug/kg	620	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	520	54.	1
Acetophenone	ND		ug/kg	520	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	310	98.	1
p-Chloro-m-cresol	ND		ug/kg	520	77.	1
2-Chlorophenol	ND		ug/kg	520	61.	1
2,4-Dichlorophenol	ND		ug/kg	460	83.	1
2,4-Dimethylphenol	ND		ug/kg	520	170	1
2-Nitrophenol	ND		ug/kg	1100	190	1
4-Nitrophenol	ND		ug/kg	720	210	1
2,4-Dinitrophenol	ND		ug/kg	2500	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	1300	250	1
Pentachlorophenol	ND		ug/kg	410	110	1
Phenol	ND		ug/kg	520	78.	1
2-Methylphenol	ND		ug/kg	520	80.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	740	81.	1
2,4,5-Trichlorophenol	ND		ug/kg	520	99.	1
Carbazole	540		ug/kg	520	50.	1
Atrazine	ND		ug/kg	410	180	1
Benzaldehyde	ND		ug/kg	680	140	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-01 Date Collected: 07/14/22 10:40

Client ID: MW-BCP-07A-0 TO 2-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	520	160	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	520	100	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	52		18-120

Project Name: 750 EAST FERRY
Lab Number: L2237707
Project Number: EAST FERRY DRILLING
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-01 D
Client ID: MW-BCP-07A-0 TO 2-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 10:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/28/22 17:54
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	28000		ug/kg	1600	440	5

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-02
Client ID: MW-BCP-07A-8 TO 10-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 10:50
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 03:46
Analyst: ALS
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-02 Date Collected: 07/14/22 10:50

Client ID: MW-BCP-07A-8 TO 10-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-02 Date Collected: 07/14/22 10:50

Client ID: MW-BCP-07A-8 TO 10-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	67		18-120

Project Name: 750 EAST FERRY
Lab Number: L2237707
Project Number: EAST FERRY DRILLING
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-03
Client ID: MW-BCP-06-6 TO 8-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 13:30
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 04:33
Analyst: ALS
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	500	65.	1
Hexachlorobenzene	ND		ug/kg	380	71.	1
Bis(2-chloroethyl)ether	ND		ug/kg	570	86.	1
2-Chloronaphthalene	ND		ug/kg	630	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	630	170	1
2,4-Dinitrotoluene	ND		ug/kg	630	130	1
2,6-Dinitrotoluene	ND		ug/kg	630	110	1
Fluoranthene	190	J	ug/kg	380	72.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	630	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	630	96.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	760	110	1
Bis(2-chloroethoxy)methane	ND		ug/kg	680	63.	1
Hexachlorobutadiene	ND		ug/kg	630	92.	1
Hexachlorocyclopentadiene	ND		ug/kg	1800	570	1
Hexachloroethane	ND		ug/kg	500	100	1
Isophorone	ND		ug/kg	570	82.	1
Naphthalene	ND		ug/kg	630	77.	1
Nitrobenzene	ND		ug/kg	570	94.	1
NDPA/DPA	ND		ug/kg	500	72.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	630	98.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	630	220	1
Butyl benzyl phthalate	ND		ug/kg	630	160	1
Di-n-butylphthalate	ND		ug/kg	630	120	1
Di-n-octylphthalate	ND		ug/kg	630	210	1
Diethyl phthalate	ND		ug/kg	630	58.	1
Dimethyl phthalate	ND		ug/kg	630	130	1
Benzo(a)anthracene	170	J	ug/kg	380	71.	1
Benzo(a)pyrene	270	J	ug/kg	500	150	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-03 Date Collected: 07/14/22 13:30

Client ID: MW-BCP-06-6 TO 8-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	450		ug/kg	380	110	1
Benzo(k)fluoranthene	130	J	ug/kg	380	100	1
Chrysene	250	J	ug/kg	380	66.	1
Acenaphthylene	ND		ug/kg	500	98.	1
Anthracene	ND		ug/kg	380	120	1
Benzo(ghi)perylene	130	J	ug/kg	500	74.	1
Fluorene	ND		ug/kg	630	61.	1
Phenanthrene	99	J	ug/kg	380	77.	1
Dibenzo(a,h)anthracene	ND		ug/kg	380	73.	1
Indeno(1,2,3-cd)pyrene	150	J	ug/kg	500	88.	1
Pyrene	280	J	ug/kg	380	63.	1
Biphenyl	ND		ug/kg	1400	82.	1
4-Chloroaniline	ND		ug/kg	630	120	1
2-Nitroaniline	ND		ug/kg	630	120	1
3-Nitroaniline	ND		ug/kg	630	120	1
4-Nitroaniline	ND		ug/kg	630	260	1
Dibenzofuran	ND		ug/kg	630	60.	1
2-Methylnaphthalene	ND		ug/kg	760	76.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	630	66.	1
Acetophenone	ND		ug/kg	630	78.	1
2,4,6-Trichlorophenol	ND		ug/kg	380	120	1
p-Chloro-m-cresol	ND		ug/kg	630	94.	1
2-Chlorophenol	ND		ug/kg	630	75.	1
2,4-Dichlorophenol	ND		ug/kg	570	100	1
2,4-Dimethylphenol	ND		ug/kg	630	210	1
2-Nitrophenol	ND		ug/kg	1400	240	1
4-Nitrophenol	ND		ug/kg	880	260	1
2,4-Dinitrophenol	ND		ug/kg	3000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	1600	300	1
Pentachlorophenol	ND		ug/kg	500	140	1
Phenol	ND		ug/kg	630	95.	1
2-Methylphenol	ND		ug/kg	630	98.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	910	99.	1
2,4,5-Trichlorophenol	ND		ug/kg	630	120	1
Carbazole	ND		ug/kg	630	61.	1
Atrazine	ND		ug/kg	500	220	1
Benzaldehyde	ND		ug/kg	830	170	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-03 Date Collected: 07/14/22 13:30

Client ID: MW-BCP-06-6 TO 8-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	630	190	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	630	130	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	68		18-120

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-04
Client ID: MW-BCP-11A-2 TO 4-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 15:20
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 08:07
Analyst: ALS
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	920		ug/kg	180	24.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	61.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	40.	1
Fluoranthene	20000	E	ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	210	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	1200		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	80.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	78.	1
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	14000	E	ug/kg	140	26.	1
Benzo(a)pyrene	12000	E	ug/kg	180	56.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-04 Date Collected: 07/14/22 15:20

Client ID: MW-BCP-11A-2 TO 4-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	14000	E	ug/kg	140	39.	1
Benzo(k)fluoranthene	2600		ug/kg	140	37.	1
Chrysene	10000	E	ug/kg	140	24.	1
Acenaphthylene	2600		ug/kg	180	36.	1
Anthracene	9800	E	ug/kg	140	45.	1
Benzo(ghi)perylene	6500		ug/kg	180	27.	1
Fluorene	5200		ug/kg	230	22.	1
Phenanthrene	23000	E	ug/kg	140	28.	1
Dibenzo(a,h)anthracene	1700		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	8400		ug/kg	180	32.	1
Pyrene	18000	E	ug/kg	140	23.	1
Biphenyl	490	J	ug/kg	520	30.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	44.	1
4-Nitroaniline	ND		ug/kg	230	96.	1
Dibenzofuran	3300		ug/kg	230	22.	1
2-Methylnaphthalene	830		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	210	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	76.	1
2-Nitrophenol	ND		ug/kg	500	87.	1
4-Nitrophenol	ND		ug/kg	320	94.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	110	1
Pentachlorophenol	ND		ug/kg	180	51.	1
Phenol	210	J	ug/kg	230	35.	1
2-Methylphenol	71	J	ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	270	J	ug/kg	330	36.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Carbazole	1600		ug/kg	230	22.	1
Atrazine	ND		ug/kg	180	81.	1
Benzaldehyde	ND		ug/kg	300	62.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-04 Date Collected: 07/14/22 15:20

Client ID: MW-BCP-11A-2 TO 4-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	230	70.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	46.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	66		18-120

Project Name: 750 EAST FERRY
Lab Number: L2237707
Project Number: EAST FERRY DRILLING
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-04 D
Client ID: MW-BCP-11A-2 TO 4-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 15:20
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/28/22 18:18
Analyst: JG
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	42000		ug/kg	2800	530	20
Benzo(a)anthracene	19000		ug/kg	2800	520	20
Benzo(a)pyrene	17000		ug/kg	3700	1100	20
Benzo(b)fluoranthene	19000		ug/kg	2800	780	20
Chrysene	17000		ug/kg	2800	480	20
Anthracene	16000		ug/kg	2800	900	20
Phenanthrene	44000		ug/kg	2800	560	20
Pyrene	33000		ug/kg	2800	460	20

Project Name: 750 EAST FERRY
Lab Number: L2237707
Project Number: EAST FERRY DRILLING
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-05
Client ID: MW-BCP-11A-12 TO 14-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 15:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 02:34
Analyst: ALS
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-05 Date Collected: 07/14/22 15:40

Client ID: MW-BCP-11A-12 TO 14-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	52.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-05 Date Collected: 07/14/22 15:40

Client ID: MW-BCP-11A-12 TO 14-07142022 Date Received: 07/14/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	79		18-120

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1664944-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1664944-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1664944-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1664944-2 WG1664944-3								
Acenaphthene	72		72		31-137	0		50
Hexachlorobenzene	82		77		40-140	6		50
Bis(2-chloroethyl)ether	67		67		40-140	0		50
2-Chloronaphthalene	77		76		40-140	1		50
3,3'-Dichlorobenzidine	68		63		40-140	8		50
2,4-Dinitrotoluene	75		73		40-132	3		50
2,6-Dinitrotoluene	79		76		40-140	4		50
Fluoranthene	75		73		40-140	3		50
4-Chlorophenyl phenyl ether	77		75		40-140	3		50
4-Bromophenyl phenyl ether	78		75		40-140	4		50
Bis(2-chloroisopropyl)ether	53		52		40-140	2		50
Bis(2-chloroethoxy)methane	70		67		40-117	4		50
Hexachlorobutadiene	78		78		40-140	0		50
Hexachlorocyclopentadiene	86		86		40-140	0		50
Hexachloroethane	68		66		40-140	3		50
Isophorone	67		64		40-140	5		50
Naphthalene	74		75		40-140	1		50
Nitrobenzene	69		67		40-140	3		50
NDPA/DPA	76		75		36-157	1		50
n-Nitrosodi-n-propylamine	66		63		32-121	5		50
Bis(2-ethylhexyl)phthalate	74		70		40-140	6		50
Butyl benzyl phthalate	71		68		40-140	4		50
Di-n-butylphthalate	74		70		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1664944-2 WG1664944-3								
Di-n-octylphthalate	71		67		40-140	6		50
Diethyl phthalate	74		72		40-140	3		50
Dimethyl phthalate	78		74		40-140	5		50
Benzo(a)anthracene	73		72		40-140	1		50
Benzo(a)pyrene	78		77		40-140	1		50
Benzo(b)fluoranthene	76		76		40-140	0		50
Benzo(k)fluoranthene	78		75		40-140	4		50
Chrysene	76		74		40-140	3		50
Acenaphthylene	78		75		40-140	4		50
Anthracene	75		73		40-140	3		50
Benzo(ghi)perylene	75		75		40-140	0		50
Fluorene	77		75		40-140	3		50
Phenanthrene	74		73		40-140	1		50
Dibenzo(a,h)anthracene	74		74		40-140	0		50
Indeno(1,2,3-cd)pyrene	79		78		40-140	1		50
Pyrene	74		73		35-142	1		50
Biphenyl	75		73		37-127	3		50
4-Chloroaniline	56		53		40-140	6		50
2-Nitroaniline	77		74		47-134	4		50
3-Nitroaniline	66		65		26-129	2		50
4-Nitroaniline	74		72		41-125	3		50
Dibenzofuran	77		75		40-140	3		50
2-Methylnaphthalene	78		77		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: EAST FERRY DRILLING

Lab Number: L2237707

Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1664944-2 WG1664944-3								
1,2,4,5-Tetrachlorobenzene	77		76		40-117	1		50
Acetophenone	70		68		14-144	3		50
2,4,6-Trichlorophenol	82		80		30-130	2		50
p-Chloro-m-cresol	82		78		26-103	5		50
2-Chlorophenol	75		76		25-102	1		50
2,4-Dichlorophenol	82		77		30-130	6		50
2,4-Dimethylphenol	78		73		30-130	7		50
2-Nitrophenol	74		71		30-130	4		50
4-Nitrophenol	74		73		11-114	1		50
2,4-Dinitrophenol	74		75		4-130	1		50
4,6-Dinitro-o-cresol	80		77		10-130	4		50
Pentachlorophenol	83		78		17-109	6		50
Phenol	75		73		26-90	3		50
2-Methylphenol	82		78		30-130.	5		50
3-Methylphenol/4-Methylphenol	77		73		30-130	5		50
2,4,5-Trichlorophenol	83		81		30-130	2		50
Carbazole	75		74		54-128	1		50
Atrazine	77		74		40-140	4		50
Benzaldehyde	88		89		40-140	1		50
Caprolactam	63		62		15-130	2		50
2,3,4,6-Tetrachlorophenol	84		83		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1664944-2 WG1664944-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		77		25-120
Phenol-d6	77		75		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	79		76		30-120
2,4,6-Tribromophenol	87		84		10-136
4-Terphenyl-d14	76		72		18-120

PCBS

Project Name: 750 EAST FERRY
Lab Number: L2237707
Project Number: EAST FERRY DRILLING
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-01
Client ID: MW-BCP-07A-0 TO 2-07142022
Sample Location: 750 EAST FERRY
Date Collected: 07/14/22 10:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/20/22 18:09
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 23:38
Cleanup Method: EPA 3665A
Cleanup Date: 07/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.19	1	A
Aroclor 1221	ND		ug/kg	36.0	3.60	1	A
Aroclor 1232	ND		ug/kg	36.0	7.62	1	A
Aroclor 1242	ND		ug/kg	36.0	4.85	1	A
Aroclor 1248	ND		ug/kg	36.0	5.39	1	A
Aroclor 1254	ND		ug/kg	36.0	3.93	1	A
Aroclor 1260	ND		ug/kg	36.0	6.64	1	B
Aroclor 1262	ND		ug/kg	36.0	4.57	1	A
Aroclor 1268	ND		ug/kg	36.0	3.72	1	A
PCBs, Total	ND		ug/kg	36.0	3.19	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 750 EAST FERRY
Lab Number: L2237707
Project Number: EAST FERRY DRILLING
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-02
Client ID: MW-BCP-07A-8 TO 10-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 10:50
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/20/22 18:15
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 23:38
Cleanup Method: EPA 3665A
Cleanup Date: 07/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.50	1	A
Aroclor 1221	ND		ug/kg	39.4	3.94	1	A
Aroclor 1232	ND		ug/kg	39.4	8.34	1	A
Aroclor 1242	ND		ug/kg	39.4	5.31	1	A
Aroclor 1248	ND		ug/kg	39.4	5.90	1	A
Aroclor 1254	ND		ug/kg	39.4	4.31	1	A
Aroclor 1260	ND		ug/kg	39.4	7.27	1	A
Aroclor 1262	ND		ug/kg	39.4	5.00	1	A
Aroclor 1268	ND		ug/kg	39.4	4.08	1	A
PCBs, Total	ND		ug/kg	39.4	3.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/20/22 16:53
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 07/19/22 00:07
Cleanup Method: EPA 3665A
Cleanup Date: 07/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1664417-1						
Aroclor 1016	ND		ug/kg	32.3	2.87	A
Aroclor 1221	ND		ug/kg	32.3	3.23	A
Aroclor 1232	ND		ug/kg	32.3	6.84	A
Aroclor 1242	ND		ug/kg	32.3	4.35	A
Aroclor 1248	ND		ug/kg	32.3	4.84	A
Aroclor 1254	ND		ug/kg	32.3	3.53	A
Aroclor 1260	ND		ug/kg	32.3	5.96	A
Aroclor 1262	ND		ug/kg	32.3	4.10	A
Aroclor 1268	ND		ug/kg	32.3	3.34	A
PCBs, Total	ND		ug/kg	32.3	2.87	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	43		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: EAST FERRY DRILLING

Lab Number: L2237707

Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1664417-2 WG1664417-3									
Aroclor 1016	64		61		40-140	5		50	A
Aroclor 1260	45		46		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		74		30-150	A
Decachlorobiphenyl	43		44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		76		30-150	B
Decachlorobiphenyl	49		48		30-150	B

METALS

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-01
Client ID: MW-BCP-07A-0 TO 2-07142022
Sample Location: 750 EAST FERRY
Date Collected: 07/14/22 10:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2260		mg/kg	8.37	2.26	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.18	0.318	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Arsenic, Total	5.11		mg/kg	0.837	0.174	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Barium, Total	20.7		mg/kg	0.837	0.146	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Beryllium, Total	0.268	J	mg/kg	0.418	0.028	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Cadmium, Total	0.174	J	mg/kg	0.837	0.082	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Calcium, Total	186000		mg/kg	83.7	29.3	20	07/20/22 00:07	07/27/22 19:55	EPA 3050B	1,6010D	MC
Chromium, Total	4.87		mg/kg	0.837	0.080	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Cobalt, Total	2.13		mg/kg	1.67	0.139	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Copper, Total	38.6		mg/kg	0.837	0.216	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Iron, Total	7690		mg/kg	4.18	0.756	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Lead, Total	29.9		mg/kg	4.18	0.224	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Magnesium, Total	15400		mg/kg	8.37	1.29	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Manganese, Total	160		mg/kg	0.837	0.133	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Mercury, Total	0.920		mg/kg	0.071	0.047	1	07/20/22 00:47	07/27/22 10:38	EPA 7471B	1,7471B	DMB
Nickel, Total	8.82		mg/kg	2.09	0.202	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Potassium, Total	313		mg/kg	209	12.0	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Selenium, Total	0.372	J	mg/kg	1.67	0.216	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.837	0.237	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Sodium, Total	134	J	mg/kg	167	2.64	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.67	0.264	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Vanadium, Total	6.25		mg/kg	0.837	0.170	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC
Zinc, Total	23.5		mg/kg	4.18	0.245	2	07/20/22 00:07	07/27/22 19:11	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-02
Client ID: MW-BCP-07A-8 TO 10-07142022
Sample Location: 750 EAST FERRY
Date Collected: 07/14/22 10:50
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6490		mg/kg	9.47	2.56	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.73	0.360	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Arsenic, Total	2.10		mg/kg	0.947	0.197	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Barium, Total	55.3		mg/kg	0.947	0.165	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Beryllium, Total	0.333	J	mg/kg	0.473	0.031	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Cadmium, Total	0.298	J	mg/kg	0.947	0.093	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Calcium, Total	61000		mg/kg	9.47	3.31	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Chromium, Total	11.2		mg/kg	0.947	0.091	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Cobalt, Total	4.89		mg/kg	1.89	0.157	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Copper, Total	12.9		mg/kg	0.947	0.244	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Iron, Total	12900		mg/kg	4.73	0.855	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Lead, Total	9.91		mg/kg	4.73	0.254	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Magnesium, Total	21800		mg/kg	9.47	1.46	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Manganese, Total	346		mg/kg	0.947	0.150	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.087	0.056	1	07/20/22 00:47	07/27/22 10:42	EPA 7471B	1,7471B	DMB
Nickel, Total	12.0		mg/kg	2.37	0.229	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Potassium, Total	851		mg/kg	237	13.6	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.89	0.244	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.947	0.268	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Sodium, Total	131	J	mg/kg	189	2.98	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.89	0.298	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Vanadium, Total	15.2		mg/kg	0.947	0.192	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC
Zinc, Total	49.0		mg/kg	4.73	0.277	2	07/20/22 00:07	07/27/22 19:14	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-03
Client ID: MW-BCP-06-6 TO 8-07142022
Sample Location: 750 EAST FERRY
Date Collected: 07/14/22 13:30
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17900		mg/kg	10.4	2.80	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.19	0.394	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Arsenic, Total	13.0		mg/kg	1.04	0.216	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Barium, Total	78.0		mg/kg	1.04	0.180	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Beryllium, Total	0.781		mg/kg	0.519	0.034	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Cadmium, Total	1.85		mg/kg	1.04	0.102	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Calcium, Total	66400		mg/kg	10.4	3.63	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Chromium, Total	53.7		mg/kg	1.04	0.100	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Cobalt, Total	33.9		mg/kg	2.07	0.172	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Copper, Total	376		mg/kg	1.04	0.268	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Iron, Total	149000		mg/kg	51.9	9.37	20	07/20/22 00:07	07/27/22 19:59	EPA 3050B	1,6010D	MC
Lead, Total	31.3		mg/kg	5.19	0.278	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Magnesium, Total	1880		mg/kg	10.4	1.60	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Manganese, Total	6040		mg/kg	1.04	0.165	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.089	0.058	1	07/20/22 00:47	07/27/22 10:45	EPA 7471B	1,7471B	DMB
Nickel, Total	20.1		mg/kg	2.59	0.251	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Potassium, Total	1850		mg/kg	259	14.9	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Selenium, Total	0.277	J	mg/kg	2.07	0.268	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.04	0.294	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Sodium, Total	448		mg/kg	207	3.27	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Thallium, Total	0.490	J	mg/kg	2.07	0.327	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Vanadium, Total	112		mg/kg	1.04	0.211	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC
Zinc, Total	15.3		mg/kg	5.19	0.304	2	07/20/22 00:07	07/27/22 19:18	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-04
Client ID: MW-BCP-11A-2 TO 4-07142022
Sample Location: 750 EAST FERRY
Date Collected: 07/14/22 15:20
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7850		mg/kg	10.4	2.80	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.19	0.394	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Arsenic, Total	11.4		mg/kg	1.04	0.216	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Barium, Total	227		mg/kg	1.04	0.180	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Beryllium, Total	0.516	J	mg/kg	0.519	0.034	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Cadmium, Total	0.748	J	mg/kg	1.04	0.102	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Calcium, Total	29600		mg/kg	10.4	3.63	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Chromium, Total	18.5		mg/kg	1.04	0.100	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Cobalt, Total	5.77		mg/kg	2.07	0.172	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Copper, Total	115		mg/kg	1.04	0.268	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Iron, Total	25300		mg/kg	5.19	0.937	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Lead, Total	707		mg/kg	5.19	0.278	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Magnesium, Total	5370		mg/kg	10.4	1.60	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Manganese, Total	341		mg/kg	1.04	0.165	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Mercury, Total	1.76		mg/kg	0.087	0.057	1	07/20/22 00:47	07/27/22 10:48	EPA 7471B	1,7471B	DMB
Nickel, Total	16.8		mg/kg	2.59	0.251	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Potassium, Total	645		mg/kg	259	14.9	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Selenium, Total	1.26	J	mg/kg	2.07	0.268	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Silver, Total	0.326	J	mg/kg	1.04	0.294	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Sodium, Total	181	J	mg/kg	207	3.27	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.07	0.327	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Vanadium, Total	22.2		mg/kg	1.04	0.211	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC
Zinc, Total	264		mg/kg	5.19	0.304	2	07/20/22 00:07	07/27/22 19:21	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-05
Client ID: MW-BCP-11A-12 TO 14-07142022
Sample Location: 750 EAST FERRY
Date Collected: 07/14/22 15:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6530		mg/kg	8.97	2.42	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.49	0.341	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Arsenic, Total	4.67		mg/kg	0.897	0.187	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Barium, Total	79.7		mg/kg	0.897	0.156	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Beryllium, Total	0.354	J	mg/kg	0.449	0.030	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Cadmium, Total	0.293	J	mg/kg	0.897	0.088	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Calcium, Total	31200		mg/kg	8.97	3.14	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Chromium, Total	10.2		mg/kg	0.897	0.086	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Cobalt, Total	5.29		mg/kg	1.79	0.149	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Copper, Total	14.0		mg/kg	0.897	0.232	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Iron, Total	13200		mg/kg	4.49	0.810	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Lead, Total	66.5		mg/kg	4.49	0.240	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Magnesium, Total	8730		mg/kg	8.97	1.38	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Manganese, Total	235		mg/kg	0.897	0.143	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Mercury, Total	0.052	J	mg/kg	0.078	0.051	1	07/20/22 00:47	07/27/22 10:52	EPA 7471B	1,7471B	DMB
Nickel, Total	9.50		mg/kg	2.24	0.217	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Potassium, Total	606		mg/kg	224	12.9	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Selenium, Total	0.315	J	mg/kg	1.79	0.232	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.897	0.254	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Sodium, Total	71.4	J	mg/kg	179	2.83	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.79	0.283	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Vanadium, Total	15.4		mg/kg	0.897	0.182	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC
Zinc, Total	68.7		mg/kg	4.49	0.263	2	07/20/22 00:07	07/27/22 19:24	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY **Lab Number:** L2237707

Project Number: EAST FERRY DRILLING **Report Date:** 07/29/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1664786-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Sodium, Total	6.35	J	mg/kg	80.0	1.26	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/20/22 00:07	07/27/22 17:41	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1664787-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/20/22 00:47	07/27/22 09:52	1,7471B	DMB

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING
Lab Number: L2237707
Report Date: 07/29/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: EAST FERRY DRILLING

Lab Number: L2237707

Report Date: 07/29/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1664786-2 SRM Lot Number: D113-540								
Aluminum, Total	64		-		51-149	-		
Antimony, Total	106		-		20-250	-		
Arsenic, Total	91		-		70-130	-		
Barium, Total	76		-		75-125	-		
Beryllium, Total	82		-		75-125	-		
Cadmium, Total	84		-		75-125	-		
Calcium, Total	82		-		73-128	-		
Chromium, Total	85		-		70-130	-		
Cobalt, Total	84		-		75-125	-		
Copper, Total	85		-		75-125	-		
Iron, Total	76		-		36-164	-		
Lead, Total	90		-		72-128	-		
Magnesium, Total	81		-		63-138	-		
Manganese, Total	79		-		77-123	-		
Nickel, Total	86		-		70-130	-		
Potassium, Total	73		-		59-141	-		
Selenium, Total	91		-		66-134	-		
Silver, Total	84		-		70-131	-		
Sodium, Total	84		-		35-164	-		
Thallium, Total	82		-		70-130	-		
Vanadium, Total	85		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: EAST FERRY DRILLING

Lab Number: L2237707

Report Date: 07/29/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1664786-2 SRM Lot Number: D113-540					
Zinc, Total	85	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1664787-2 SRM Lot Number: D113-540					
Mercury, Total	88	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664786-3 QC Sample: L2236318-03 Client ID: MS Sample												
Aluminum, Total	8720	170	8750	**18**	Q	-	-		75-125	-		20
Antimony, Total	ND	42.5	13.0	**31**	Q	-	-		75-125	-		20
Arsenic, Total	8.54	10.2	19.1	104		-	-		75-125	-		20
Barium, Total	63.3	170	221	93		-	-		75-125	-		20
Beryllium, Total	0.417	4.25	3.37	**70**	Q	-	-		75-125	-		20
Cadmium, Total	0.477	4.5	4.34	86		-	-		75-125	-		20
Calcium, Total	15500	850	17900	**282**	Q	-	-		75-125	-		20
Chromium, Total	18.4	17	33.5	89		-	-		75-125	-		20
Cobalt, Total	7.87	42.5	34.2	**62**	Q	-	-		75-125	-		20
Copper, Total	20.8	21.2	36.2	**72**	Q	-	-		75-125	-		20
Iron, Total	16600	85	16000	**0**	Q	-	-		75-125	-		20
Lead, Total	17.7	45	60.0	94		-	-		75-125	-		20
Magnesium, Total	5650	850	6870	**144**	Q	-	-		75-125	-		20
Manganese, Total	353	42.5	382	**68**	Q	-	-		75-125	-		20
Nickel, Total	22.6	42.5	48.1	**60**	Q	-	-		75-125	-		20
Potassium, Total	532	850	1140	**72**	Q	-	-		75-125	-		20
Selenium, Total	0.421J	10.2	10.4	102		-	-		75-125	-		20
Silver, Total	ND	25.5	25.2	99		-	-		75-125	-		20
Sodium, Total	35.8J	850	666	78		-	-		75-125	-		20
Thallium, Total	0.288J	10.2	8.48	83		-	-		75-125	-		20
Vanadium, Total	13.9	42.5	43.1	**69**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664786-3 QC Sample: L2236318-03 Client ID: MS Sample										
Zinc, Total	51.8	42.5	77.4	**60**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664787-3 QC Sample: L2237256-01 Client ID: MS Sample										
Mercury, Total	0.402	6.48	6.21	90		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664786-4 QC Sample: L2236318-03 Client ID: DUP Sample						
Arsenic, Total	8.54	7.56	mg/kg	12		20
Barium, Total	63.3	55.2	mg/kg	14		20
Cadmium, Total	0.477	0.428J	mg/kg	NC		20
Chromium, Total	18.4	15.6	mg/kg	16		20
Lead, Total	17.7	14.8	mg/kg	18		20
Selenium, Total	0.421J	0.369J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664787-4 QC Sample: L2237256-01 Client ID: DUP Sample						
Mercury, Total	0.402	0.479	mg/kg	17		20

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILI

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2237707
Report Date: 07/29/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1664786-6 QC Sample: L2236318-03 Client ID: DUP Sample						
Barium, Total	63.3	49.5	mg/kg	**22**	Q	20
Chromium, Total	18.4	16.8	mg/kg	9		20

INORGANICS
&
MISCELLANEOUS

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-01
Client ID: MW-BCP-07A-0 TO 2-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 10:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	07/16/22 12:28	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-02
Client ID: MW-BCP-07A-8 TO 10-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 10:50
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.7		%	0.100	NA	1	-	07/16/22 12:28	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-03
Client ID: MW-BCP-06-6 TO 8-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 13:30
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.5		%	0.100	NA	1	-	07/16/22 12:28	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-04
Client ID: MW-BCP-11A-2 TO 4-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 15:20
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.2		%	0.100	NA	1	-	07/16/22 12:28	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

SAMPLE RESULTS

Lab ID: L2237707-05
Client ID: MW-BCP-11A-12 TO 14-07142022
Sample Location: 750 EAST FERRY

Date Collected: 07/14/22 15:40
Date Received: 07/14/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	07/16/22 12:28	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: EAST FERRY DRILLING

Lab Number: L2237707

Report Date: 07/29/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1663686-1 QC Sample: L2237373-01 Client ID: DUP Sample						
Solids, Total	83.4	84.0	%	1		20

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2237707-01A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2237707-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2237707-01C	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237707-01D	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237707-01E	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237707-02A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2237707-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2237707-02C	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237707-02D	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237707-02E	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237707-03A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2237707-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2237707-03C	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2237707-03D	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2237707-04A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 750 EAST FERRY
Project Number: EAST FERRY DRILLING

Lab Number: L2237707
Report Date: 07/29/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2237707-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2237707-04C	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2237707-04D	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2237707-04E	Vial Large Septa unpreserved (4oz)	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2237707-04X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2237707-04Y	Vial Water preserved split	A	NA		2.6	Y	Absent	**18-JUL-22 11:00**	NYTCL-8260-R2(14)
L2237707-04Z	Vial Water preserved split	A	NA		2.6	Y	Absent	**18-JUL-22 11:00**	NYTCL-8260-R2(14)
L2237707-05A	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L2237707-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2237707-05C	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2237707-05D	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L2237707-05E	Vial Large Septa unpreserved (4oz)	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2237707-05X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260-R2(14)
L2237707-05Y	Vial Water preserved split	A	NA		2.6	Y	Absent	**18-JUL-22 11:00**	NYTCL-8260-R2(14)
L2237707-05Z	Vial Water preserved split	A	NA		2.6	Y	Absent	**18-JUL-22 11:00**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	750 EAST FERRY	**Lab Number:**	L2237707
Project Number:	EAST FERRY DRILLING	**Report Date:**	07/29/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 EAST FERRY	**Lab Number:**	L2237707
Project Number:	EAST FERRY DRILLING	**Report Date:**	07/29/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

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Project Number:	EAST FERRY DRILLING	**Report Date:**	07/29/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 EAST FERRY	**Lab Number:**	L2237707
Project Number:	EAST FERRY DRILLING	**Report Date:**	07/29/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

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FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 7/15/22

ALPHA Job #: L2237707

Client Information
Client: INVENTUM ENG
Address: 441 Carlisle Drive
Herndon VA
Phone: 716 5535129
Fax:
Email: Peter.Zaffame@inventumeng.com

Project Information
Project Name: 750 East Ferry
Project Location: 750 East Ferry
Project # East Ferry Drilling
(Use Project name as Project #) ☐
Project Manager: JOHN BLACK
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
NYSDEC CAT B. NYSDEC EQUIS

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☑ NY Part 375
☐ AWQ Standards ☑ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010C Total Metals	8082 PCBs	7470 Total Hg	8270D SVOC	TS	8260 VOCs			Total Bottle
37707-01	MW-BCP-07A-0to2-07142022	7/14/22	1040	Soil	P.Z.	X	X	X	X	X				
02	MW-BCP-07A-8to10-07142022	7/14/22	1050	Soil	P.Z.	X	X	X	X	X				
03	SB-BCP-06-6to8-07142022	7/14/22	1330	Soil	P.Z.	X		X	X	X				
04	MW-BCP-11A-2to4-07142022	7/14/22	1520	Soil	P.Z.	X		X	X	X	X			
05	MW-BCP-11A-12to14-07142022	7/14/22	1540	Soil	P.Z.	X		X	X	X	X			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	A	A	A	P	A			
Preservative	A	A	A	A	A	A			

Relinquished By:	Date/Time	Received By:	Date/Time
	7/14/22 1620		7/14/22 1620
MC	7/14/22 1620		7/15/22 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2237896
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	750 E FERRY
Project Number:	Not Specified
Report Date:	08/01/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2237896-01	SB-BCP-01-2 TO 4-07152022	SOIL	750 E FERRY	07/15/22 09:55	07/15/22
L2237896-02	SB-BCP-12-4 TO 6-07152022	SOIL	750 E FERRY	07/15/22 10:45	07/15/22
L2237896-03	SB-BCP-12-8 TO 9-07152022	SOIL	750 E FERRY	07/15/22 10:50	07/15/22

Project Name:	750 E FERRY	**Lab Number:**	L2237896
Project Number:	Not Specified	**Report Date:**	08/01/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L2237896-02D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2237896-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

L2237896-03: The sample has elevated detection limits for all elements due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Title: Technical Director/Representative Date: 08/01/22

ORGANICS

SEMIVOLATILES

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-01
Client ID: SB-BCP-01-2 TO 4-07152022
Sample Location: 750 E FERRY
Date Collected: 07/15/22 09:55
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/29/22 04:46
Analyst: CMM
Percent Solids: 92%
Extraction Method: EPA 3546
Extraction Date: 07/24/22 11:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	44	J	ug/kg	140	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	900		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	40	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	700		ug/kg	110	20.	1
Benzo(a)pyrene	1100		ug/kg	140	44.	1

Project Name: 750 E FERRY **Lab Number:** L2237896

Project Number: Not Specified **Report Date:** 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-01 Date Collected: 07/15/22 09:55

Client ID: SB-BCP-01-2 TO 4-07152022 Date Received: 07/15/22

Sample Location: 750 E FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	1500		ug/kg	110	30.	1
Benzo(k)fluoranthene	420		ug/kg	110	29.	1
Chrysene	930		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	64	J	ug/kg	110	35.	1
Benzo(ghi)perylene	820		ug/kg	140	21.	1
Fluorene	22	J	ug/kg	180	18.	1
Phenanthrene	340		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	170		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	860		ug/kg	140	25.	1
Pyrene	800		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	22	J	ug/kg	180	17.	1
2-Methylnaphthalene	30	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	48	J	ug/kg	180	18.	1
Atrazine	ND		ug/kg	140	64.	1
Benzaldehyde	ND		ug/kg	240	49.	1

Project Name: 750 E FERRY
Lab Number: L2237896
Project Number: Not Specified
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-01
Client ID: SB-BCP-01-2 TO 4-07152022
Sample Location: 750 E FERRY
Date Collected: 07/15/22 09:55
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	55.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	75		18-120

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-02 D
Client ID: SB-BCP-12-4 TO 6-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 10:45
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/31/22 22:06
Analyst: CMM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/24/22 11:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	740	96.	5
Hexachlorobenzene	ND		ug/kg	550	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	830	120	5
2-Chloronaphthalene	ND		ug/kg	920	91.	5
3,3'-Dichlorobenzidine	ND		ug/kg	920	240	5
2,4-Dinitrotoluene	ND		ug/kg	920	180	5
2,6-Dinitrotoluene	ND		ug/kg	920	160	5
Fluoranthene	380	J	ug/kg	550	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	920	99.	5
4-Bromophenyl phenyl ether	ND		ug/kg	920	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	92.	5
Hexachlorobutadiene	ND		ug/kg	920	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	840	5
Hexachloroethane	ND		ug/kg	740	150	5
Isophorone	ND		ug/kg	830	120	5
Naphthalene	ND		ug/kg	920	110	5
Nitrobenzene	ND		ug/kg	830	140	5
NDPA/DPA	ND		ug/kg	740	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	920	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	920	320	5
Butyl benzyl phthalate	ND		ug/kg	920	230	5
Di-n-butylphthalate	ND		ug/kg	920	170	5
Di-n-octylphthalate	ND		ug/kg	920	310	5
Diethyl phthalate	ND		ug/kg	920	85.	5
Dimethyl phthalate	ND		ug/kg	920	190	5
Benzo(a)anthracene	290	J	ug/kg	550	100	5
Benzo(a)pyrene	360	J	ug/kg	740	220	5

Project Name: 750 E FERRY **Lab Number:** L2237896

Project Number: Not Specified **Report Date:** 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-02 D
Client ID: SB-BCP-12-4 TO 6-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 10:45
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	600		ug/kg	550	160	5
Benzo(k)fluoranthene	220	J	ug/kg	550	150	5
Chrysene	380	J	ug/kg	550	96.	5
Acenaphthylene	ND		ug/kg	740	140	5
Anthracene	ND		ug/kg	550	180	5
Benzo(ghi)perylene	560	J	ug/kg	740	110	5
Fluorene	ND		ug/kg	920	90.	5
Phenanthrene	180	J	ug/kg	550	110	5
Dibenzo(a,h)anthracene	120	J	ug/kg	550	110	5
Indeno(1,2,3-cd)pyrene	380	J	ug/kg	740	130	5
Pyrene	310	J	ug/kg	550	92.	5
Biphenyl	ND		ug/kg	2100	120	5
4-Chloroaniline	ND		ug/kg	920	170	5
2-Nitroaniline	ND		ug/kg	920	180	5
3-Nitroaniline	ND		ug/kg	920	170	5
4-Nitroaniline	ND		ug/kg	920	380	5
Dibenzofuran	ND		ug/kg	920	87.	5
2-Methylnaphthalene	ND		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	920	96.	5
Acetophenone	ND		ug/kg	920	110	5
2,4,6-Trichlorophenol	ND		ug/kg	550	170	5
p-Chloro-m-cresol	ND		ug/kg	920	140	5
2-Chlorophenol	ND		ug/kg	920	110	5
2,4-Dichlorophenol	ND		ug/kg	830	150	5
2,4-Dimethylphenol	ND		ug/kg	920	300	5
2-Nitrophenol	ND		ug/kg	2000	350	5
4-Nitrophenol	ND		ug/kg	1300	380	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	740	200	5
Phenol	ND		ug/kg	920	140	5
2-Methylphenol	ND		ug/kg	920	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5
2,4,5-Trichlorophenol	ND		ug/kg	920	180	5
Carbazole	ND		ug/kg	920	90.	5
Atrazine	ND		ug/kg	740	320	5
Benzaldehyde	ND		ug/kg	1200	250	5

Project Name: 750 E FERRY **Lab Number:** L2237896

Project Number: Not Specified **Report Date:** 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-02 D
Client ID: SB-BCP-12-4 TO 6-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 10:45
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	920	280	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	920	190	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	71		18-120

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-03
Client ID: SB-BCP-12-8 TO 9-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 10:50
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/29/22 05:34
Analyst: CMM
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 07/24/22 11:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	43.	1
2,6-Dinitrotoluene	ND		ug/kg	210	37.	1
Fluoranthene	63	J	ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	73.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	45	J	ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1

Project Name: 750 E FERRY **Lab Number:** L2237896

Project Number: Not Specified **Report Date:** 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-03 Date Collected: 07/15/22 10:50

Client ID: SB-BCP-12-8 TO 9-07152022 Date Received: 07/15/22

Sample Location: 750 E FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	41	J	ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	36	J	ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	39	J	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	54	J	ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	28.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	89.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	71.	1
2-Nitrophenol	ND		ug/kg	460	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	81	J	ug/kg	310	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Carbazole	ND		ug/kg	210	21.	1
Atrazine	ND		ug/kg	170	75.	1
Benzaldehyde	ND		ug/kg	280	58.	1

Project Name: 750 E FERRY **Lab Number:** L2237896

Project Number: Not Specified **Report Date:** 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-03 Date Collected: 07/15/22 10:50

Client ID: SB-BCP-12-8 TO 9-07152022 Date Received: 07/15/22

Sample Location: 750 E FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	65.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	72		18-120

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/29/22 03:34
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 07/24/22 11:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1666692-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/29/22 03:34
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 07/24/22 11:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1666692-1					
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	78.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	37.

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/29/22 03:34
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 07/24/22 11:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1666692-1					
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Carbazole	ND		ug/kg	170	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	170	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	89		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 E FERRY

Project Number: Not Specified

Lab Number: L2237896

Report Date: 08/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1666692-2 WG1666692-3								
Acenaphthene	77		79		31-137	3		50
Hexachlorobenzene	88		88		40-140	0		50
Bis(2-chloroethyl)ether	67		65		40-140	3		50
2-Chloronaphthalene	79		78		40-140	1		50
3,3'-Dichlorobenzidine	75		81		40-140	8		50
2,4-Dinitrotoluene	93		96		40-132	3		50
2,6-Dinitrotoluene	94		95		40-140	1		50
Fluoranthene	80		84		40-140	5		50
4-Chlorophenyl phenyl ether	80		83		40-140	4		50
4-Bromophenyl phenyl ether	84		87		40-140	4		50
Bis(2-chloroisopropyl)ether	44		42		40-140	5		50
Bis(2-chloroethoxy)methane	76		73		40-117	4		50
Hexachlorobutadiene	74		74		40-140	0		50
Hexachlorocyclopentadiene	55		53		40-140	4		50
Hexachloroethane	72		70		40-140	3		50
Isophorone	76		74		40-140	3		50
Naphthalene	72		70		40-140	3		50
Nitrobenzene	77		75		40-140	3		50
NDPA/DPA	83		85		36-157	2		50
n-Nitrosodi-n-propylamine	78		76		32-121	3		50
Bis(2-ethylhexyl)phthalate	104		107		40-140	3		50
Butyl benzyl phthalate	94		98		40-140	4		50
Di-n-butylphthalate	92		96		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 E FERRY

Project Number: Not Specified

Lab Number: L2237896

Report Date: 08/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1666692-2 WG1666692-3								
Di-n-octylphthalate	112		115		40-140	3		50
Diethyl phthalate	88		91		40-140	3		50
Dimethyl phthalate	83		84		40-140	1		50
Benzo(a)anthracene	87		90		40-140	3		50
Benzo(a)pyrene	97		100		40-140	3		50
Benzo(b)fluoranthene	94		96		40-140	2		50
Benzo(k)fluoranthene	91		93		40-140	2		50
Chrysene	88		89		40-140	1		50
Acenaphthylene	81		81		40-140	0		50
Anthracene	80		82		40-140	2		50
Benzo(ghi)perylene	82		84		40-140	2		50
Fluorene	80		82		40-140	2		50
Phenanthrene	76		79		40-140	4		50
Dibenzo(a,h)anthracene	80		82		40-140	2		50
Indeno(1,2,3-cd)pyrene	91		94		40-140	3		50
Pyrene	79		82		35-142	4		50
Biphenyl	84		83		37-127	1		50
4-Chloroaniline	62		64		40-140	3		50
2-Nitroaniline	97		98		47-134	1		50
3-Nitroaniline	77		82		26-129	6		50
4-Nitroaniline	86		91		41-125	6		50
Dibenzofuran	79		80		40-140	1		50
2-Methylnaphthalene	76		75		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1666692-2 WG1666692-3								
1,2,4,5-Tetrachlorobenzene	82		82		40-117	0		50
Acetophenone	82		79		14-144	4		50
2,4,6-Trichlorophenol	94		94		30-130	0		50
p-Chloro-m-cresol	93		94		26-103	1		50
2-Chlorophenol	84		81		25-102	4		50
2,4-Dichlorophenol	89		88		30-130	1		50
2,4-Dimethylphenol	90		89		30-130	1		50
2-Nitrophenol	103		101		30-130	2		50
4-Nitrophenol	97		102		11-114	5		50
2,4-Dinitrophenol	92		96		4-130	4		50
4,6-Dinitro-o-cresol	99		102		10-130	3		50
Pentachlorophenol	100		102		17-109	2		50
Phenol	78		76		26-90	3		50
2-Methylphenol	83		81		30-130.	2		50
3-Methylphenol/4-Methylphenol	93		91		30-130	2		50
2,4,5-Trichlorophenol	95		96		30-130	1		50
Carbazole	80		83		54-128	4		50
Atrazine	104		109		40-140	5		50
Benzaldehyde	93		92		40-140	1		50
Caprolactam	70		71		15-130	1		50
2,3,4,6-Tetrachlorophenol	94		97		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 E FERRY

Project Number: Not Specified

Lab Number: L2237896

Report Date: 08/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1666692-2 WG1666692-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		83		25-120
Phenol-d6	88		83		10-120
Nitrobenzene-d5	87		81		23-120
2-Fluorobiphenyl	79		76		30-120
2,4,6-Tribromophenol	108		107		10-136
4-Terphenyl-d14	84		84		18-120

PCBS

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-02
Client ID: SB-BCP-12-4 TO 6-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 10:45
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 09:08
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/21/22 19:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	3.17	1	A
Aroclor 1221	ND		ug/kg	35.7	3.58	1	A
Aroclor 1232	ND		ug/kg	35.7	7.57	1	A
Aroclor 1242	ND		ug/kg	35.7	4.81	1	A
Aroclor 1248	ND		ug/kg	35.7	5.36	1	A
Aroclor 1254	ND		ug/kg	35.7	3.91	1	A
Aroclor 1260	ND		ug/kg	35.7	6.60	1	A
Aroclor 1262	ND		ug/kg	35.7	4.54	1	A
Aroclor 1268	ND		ug/kg	35.7	3.70	1	A
PCBs, Total	ND		ug/kg	35.7	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-03
Client ID: SB-BCP-12-8 TO 9-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 10:50
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 09:16
Analyst: MEO
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 07/21/22 19:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.2	3.84	1	A
Aroclor 1221	ND		ug/kg	43.2	4.33	1	A
Aroclor 1232	ND		ug/kg	43.2	9.17	1	A
Aroclor 1242	ND		ug/kg	43.2	5.83	1	A
Aroclor 1248	ND		ug/kg	43.2	6.49	1	A
Aroclor 1254	ND		ug/kg	43.2	4.73	1	A
Aroclor 1260	ND		ug/kg	43.2	7.99	1	A
Aroclor 1262	ND		ug/kg	43.2	5.49	1	A
Aroclor 1268	ND		ug/kg	43.2	4.48	1	A
PCBs, Total	ND		ug/kg	43.2	3.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/21/22 17:15
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 07/21/22 03:19
Cleanup Method: EPA 3665A
Cleanup Date: 07/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03 Batch: WG1665483-1						
Aroclor 1016	ND		ug/kg	31.4	2.79	A
Aroclor 1221	ND		ug/kg	31.4	3.15	A
Aroclor 1232	ND		ug/kg	31.4	6.66	A
Aroclor 1242	ND		ug/kg	31.4	4.23	A
Aroclor 1248	ND		ug/kg	31.4	4.71	A
Aroclor 1254	ND		ug/kg	31.4	3.44	A
Aroclor 1260	ND		ug/kg	31.4	5.80	A
Aroclor 1262	ND		ug/kg	31.4	3.99	A
Aroclor 1268	ND		ug/kg	31.4	3.25	A
PCBs, Total	ND		ug/kg	31.4	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	115		30-150	B
Decachlorobiphenyl	96		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 E FERRY

Project Number: Not Specified

Lab Number: L2237896

Report Date: 08/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03 Batch: WG1665483-2 WG1665483-3									
Aroclor 1016	105		100		40-140	5		50	A
Aroclor 1260	85		79		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		108		30-150	A
Decachlorobiphenyl	93		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	112		113		30-150	B
Decachlorobiphenyl	94		92		30-150	B

METALS

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-01
Client ID: SB-BCP-01-2 TO 4-07152022
Sample Location: 750 E FERRY
Date Collected: 07/15/22 09:55
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7650		mg/kg	8.32	2.24	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.16	0.316	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Arsenic, Total	5.64		mg/kg	0.832	0.173	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Barium, Total	62.3		mg/kg	0.832	0.145	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Beryllium, Total	0.343	J	mg/kg	0.416	0.027	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Cadmium, Total	0.382	J	mg/kg	0.832	0.082	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Calcium, Total	45400		mg/kg	8.32	2.91	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Chromium, Total	13.3		mg/kg	0.832	0.080	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Cobalt, Total	5.52		mg/kg	1.66	0.138	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Copper, Total	22.0		mg/kg	0.832	0.214	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Iron, Total	19200		mg/kg	4.16	0.751	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Lead, Total	20.0		mg/kg	4.16	0.223	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Magnesium, Total	21300		mg/kg	8.32	1.28	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Manganese, Total	436		mg/kg	0.832	0.132	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.071	0.046	1	07/20/22 10:40	07/29/22 10:03	EPA 7471B	1,7471B	DMB
Nickel, Total	15.7		mg/kg	2.08	0.201	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Potassium, Total	980		mg/kg	208	12.0	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.66	0.214	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.832	0.235	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Sodium, Total	96.9	J	mg/kg	166	2.62	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.66	0.262	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Vanadium, Total	17.0		mg/kg	0.832	0.169	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF
Zinc, Total	47.8		mg/kg	4.16	0.244	2	07/20/22 10:30	07/28/22 15:36	EPA 3050B	1,6010D	JF

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-02
Client ID: SB-BCP-12-4 TO 6-07152022
Sample Location: 750 E FERRY
Date Collected: 07/15/22 10:45
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5240		mg/kg	8.66	2.34	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Antimony, Total	1.72	J	mg/kg	4.33	0.329	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Arsenic, Total	5.80		mg/kg	0.866	0.180	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Barium, Total	136		mg/kg	0.866	0.151	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Beryllium, Total	0.326	J	mg/kg	0.433	0.029	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Cadmium, Total	0.365	J	mg/kg	0.866	0.085	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Calcium, Total	27700		mg/kg	8.66	3.03	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Chromium, Total	9.16		mg/kg	0.866	0.083	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Cobalt, Total	4.62		mg/kg	1.73	0.144	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Copper, Total	61.3		mg/kg	0.866	0.224	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Iron, Total	9520		mg/kg	4.33	0.782	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Lead, Total	201		mg/kg	4.33	0.232	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Magnesium, Total	7860		mg/kg	8.66	1.33	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Manganese, Total	312		mg/kg	0.866	0.138	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Mercury, Total	0.736		mg/kg	0.074	0.048	1	07/20/22 10:40	07/29/22 10:13	EPA 7471B	1,7471B	DMB
Nickel, Total	12.0		mg/kg	2.17	0.210	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Potassium, Total	604		mg/kg	217	12.5	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.73	0.224	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.866	0.245	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Sodium, Total	101	J	mg/kg	173	2.73	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.73	0.273	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Vanadium, Total	19.5		mg/kg	0.866	0.176	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF
Zinc, Total	146		mg/kg	4.33	0.254	2	07/20/22 10:30	07/28/22 15:40	EPA 3050B	1,6010D	JF

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-03
Client ID: SB-BCP-12-8 TO 9-07152022
Sample Location: 750 E FERRY
Date Collected: 07/15/22 10:50
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10200		mg/kg	9.91	2.68	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.95	0.376	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Arsenic, Total	6.68		mg/kg	0.991	0.206	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Barium, Total	136		mg/kg	0.991	0.172	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Beryllium, Total	0.467	J	mg/kg	0.495	0.033	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Cadmium, Total	0.984	J	mg/kg	0.991	0.097	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Calcium, Total	21600		mg/kg	9.91	3.47	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Chromium, Total	16.6		mg/kg	0.991	0.095	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Cobalt, Total	7.02		mg/kg	1.98	0.164	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Copper, Total	30.8		mg/kg	0.991	0.256	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Iron, Total	19400		mg/kg	4.95	0.895	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Lead, Total	598		mg/kg	4.95	0.266	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Magnesium, Total	7350		mg/kg	9.91	1.53	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Manganese, Total	276		mg/kg	0.991	0.158	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Mercury, Total	3.67		mg/kg	0.170	0.111	2	07/20/22 10:40	07/29/22 13:03	EPA 7471B	1,7471B	DMB
Nickel, Total	15.0		mg/kg	2.48	0.240	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Potassium, Total	1180		mg/kg	248	14.3	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Selenium, Total	1.31	J	mg/kg	1.98	0.256	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.991	0.280	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Sodium, Total	118	J	mg/kg	198	3.12	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.98	0.312	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Vanadium, Total	22.7		mg/kg	0.991	0.201	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF
Zinc, Total	458		mg/kg	4.95	0.290	2	07/20/22 10:30	07/28/22 15:43	EPA 3050B	1,6010D	JF

Project Name: 750 E FERRY
Project Number: Not Specified
Lab Number: L2237896
Report Date: 08/01/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1664825-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Barium, Total	ND		mg/kg	0.400	0.070	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Copper, Total	ND		mg/kg	0.400	0.103	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Iron, Total	0.973	J	mg/kg	2.00	0.361	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Lead, Total	ND		mg/kg	2.00	0.107	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Potassium, Total	ND		mg/kg	100	5.76	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Silver, Total	ND		mg/kg	0.400	0.113	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Sodium, Total	ND		mg/kg	80.0	1.26	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/20/22 10:30	07/28/22 13:32	1,6010D	JF

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1664826-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/20/22 09:41	07/29/22 08:57	1,7471B	DMB

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 E FERRY

Project Number: Not Specified

Lab Number: L2237896

Report Date: 08/01/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1664825-2 SRM Lot Number: D113-540								
Aluminum, Total	75		-		51-149	-		
Antimony, Total	119		-		20-250	-		
Arsenic, Total	83		-		70-130	-		
Barium, Total	80		-		75-125	-		
Beryllium, Total	82		-		75-125	-		
Cadmium, Total	80		-		75-125	-		
Calcium, Total	82		-		73-128	-		
Chromium, Total	84		-		70-130	-		
Cobalt, Total	83		-		75-125	-		
Copper, Total	87		-		75-125	-		
Iron, Total	90		-		36-164	-		
Lead, Total	81		-		72-128	-		
Magnesium, Total	84		-		63-138	-		
Manganese, Total	82		-		77-123	-		
Nickel, Total	83		-		70-130	-		
Potassium, Total	82		-		59-141	-		
Selenium, Total	80		-		66-134	-		
Silver, Total	85		-		70-131	-		
Sodium, Total	94		-		35-164	-		
Thallium, Total	80		-		70-130	-		
Vanadium, Total	85		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 E FERRY

Project Number: Not Specified

Lab Number: L2237896

Report Date: 08/01/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1664825-2 SRM Lot Number: D113-540					
Zinc, Total	82	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1664826-2 SRM Lot Number: D113-540					
Mercury, Total	93	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1664825-3 QC Sample: L2236591-01 Client ID: MS Sample												
Aluminum, Total	3320	163	3560	**147**	Q	-	-		75-125	-		20
Antimony, Total	ND	40.7	25.6	**63**	Q	-	-		75-125	-		20
Arsenic, Total	3.53	9.77	11.6	82		-	-		75-125	-		20
Barium, Total	13.7	163	144	80		-	-		75-125	-		20
Beryllium, Total	0.229	4.07	3.53	81		-	-		75-125	-		20
Cadmium, Total	0.150J	4.32	3.49	81		-	-		75-125	-		20
Calcium, Total	362	814	1000	78		-	-		75-125	-		20
Chromium, Total	5.40	16.3	18.9	83		-	-		75-125	-		20
Cobalt, Total	3.98	40.7	35.5	77		-	-		75-125	-		20
Copper, Total	9.07	20.4	26.4	85		-	-		75-125	-		20
Iron, Total	9920	81.4	9730	**0**	Q	-	-		75-125	-		20
Lead, Total	5.43	43.2	41.8	84		-	-		75-125	-		20
Magnesium, Total	1060	814	1820	93		-	-		75-125	-		20
Manganese, Total	158	40.7	231	**179**	Q	-	-		75-125	-		20
Nickel, Total	6.30	40.7	38.5	79		-	-		75-125	-		20
Potassium, Total	264	814	917	80		-	-		75-125	-		20
Selenium, Total	ND	9.77	7.56	77		-	-		75-125	-		20
Silver, Total	ND	24.4	20.0	82		-	-		75-125	-		20
Sodium, Total	27.3J	814	746	92		-	-		75-125	-		20
Thallium, Total	ND	9.77	7.39	76		-	-		75-125	-		20
Vanadium, Total	7.77	40.7	41.9	84		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1664825-3 QC Sample: L2236591-01 Client ID: MS Sample									
Zinc, Total	18.8	40.7	51.5	80	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1664826-3 QC Sample: L2236591-01 Client ID: MS Sample									
Mercury, Total	ND	1.36	1.36	100	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1664825-4 QC Sample: L2236591-01 Client ID: DUP Sample						
Arsenic, Total	3.53	3.31	mg/kg	6		20
Barium, Total	13.7	17.7	mg/kg	**25**	Q	20
Cadmium, Total	0.150J	0.155J	mg/kg	NC		20
Chromium, Total	5.40	5.45	mg/kg	1		20
Lead, Total	5.43	7.32	mg/kg	**30**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1664826-4 QC Sample: L2236591-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-01
Client ID: SB-BCP-01-2 TO 4-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 09:55
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	07/18/22 16:48	121,2540G	MF

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-02
Client ID: SB-BCP-12-4 TO 6-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 10:45
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	07/18/22 16:48	121,2540G	MF

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

SAMPLE RESULTS

Lab ID: L2237896-03
Client ID: SB-BCP-12-8 TO 9-07152022
Sample Location: 750 E FERRY

Date Collected: 07/15/22 10:50
Date Received: 07/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.1		%	0.100	NA	1	-	07/18/22 16:48	121,2540G	MF

Lab Duplicate Analysis

Batch Quality Control

Project Name: 750 E FERRY

Project Number: Not Specified

Lab Number: L2237896

Report Date: 08/01/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1664330-1 QC Sample: L2237767-01 Client ID: DUP Sample						
Solids, Total	92.8	92.6	%	0		20

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2237896-01A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2237896-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2237896-01C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2237896-01D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2237896-02A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2237896-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2237896-02C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2237896-02D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237896-02E	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237896-03A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2237896-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 750 E FERRY
Project Number: Not Specified

Lab Number: L2237896
Report Date: 08/01/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2237896-03C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2237896-03D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2237896-03E	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name:	750 E FERRY	**Lab Number:**	L2237896
Project Number:	Not Specified	**Report Date:**	08/01/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 E FERRY	**Lab Number:**	L2237896
Project Number:	Not Specified	**Report Date:**	08/01/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 E FERRY	**Lab Number:**	L2237896
Project Number:	Not Specified	**Report Date:**	08/01/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	750 E FERRY	**Lab Number:**	L2237896
Project Number:	Not Specified	**Report Date:**	08/01/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/16/22

ALPHA Job #: L2237896

Client Information
Client: INVENTUM ENG
Address: 441 CARLISLE DRIVE SUITE C. HERNDON VA
Phone: 716 553-5729
Fax:
Email: Peter.Zaffarano@inventumeng.com

Project Information
Project Name: 750 E FERRY
Project Location: 750 E FERRY
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☒ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

NYSDEC Cat B, EQUIS

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010C Total Metals	7470A Total Hg	8270D SVOCs	8082 PCBs	TS	Sample Specific Comments	Total Bottle
37896 01	SB-BCP-01-2to4-07152022	7/15/22	0955	Soil		X	X	X		X		
02	SB-BCP-12-4to6-07152022	7/15/22	1045	Soil		X	X	X	X	X		
03	SB-BCP-12-8to9-07152022	7/15/22	1050	Soil		X	X	X	X	X		

Container Type: A A A A P
Preservative: A A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	1148 7/15/2022	Jocelyn Foley (AAL)	7/15/22 11:48
Jocelyn Foley (AAL)	7/15/22 11:48		7/16/22 0000

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2238191
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	750 EAST FERRY
Project Number:	Not Specified
Report Date:	08/02/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2238191-01	SB-BCP-09-0 TO 2-07182022	SOIL	750 EAST FERRY	07/18/22 12:00	07/18/22
L2238191-02	SB-BCP-09-8 TO 10-07182022	SOIL	750 EAST FERRY	07/18/22 12:15	07/18/22
L2238191-03	SB-BCP-08-0 TO 2-07182022	SOIL	750 EAST FERRY	07/18/22 11:00	07/18/22
L2238191-04	SB-BCP-08-10 TO 12-07182022	SOIL	750 EAST FERRY	07/18/22 11:15	07/18/22
L2238191-05	SB-BCP-10-0 TO 4-07182022	SOIL	750 EAST FERRY	07/18/22 09:30	07/18/22
L2238191-06	SB-BCP-10-10 TO 12-07182022	SOIL	750 EAST FERRY	07/18/22 09:40	07/18/22
L2238191-07	SB-BCP-11-2 TO 4-07182022	SOIL	750 EAST FERRY	07/18/22 08:35	07/18/22
L2238191-08	SB-BCP-11-10 TO 12-07182022	SOIL	750 EAST FERRY	07/18/22 08:45	07/18/22

Project Name:	750 EAST FERRY	**Lab Number:**	L2238191
Project Number:	Not Specified	**Report Date:**	08/02/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	750 EAST FERRY	**Lab Number:**	L2238191
Project Number:	Not Specified	**Report Date:**	08/02/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2238191-01, -02, -07, and -08: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

L2238191-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L2238191-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 08/02/22

ORGANICS

VOLATILES

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-01
Client ID: SB-BCP-09-0 TO 2-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 12:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/26/22 12:15
Analyst: AJK
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.24	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	0.39	J	ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	0.18	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.70	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-01 Date Collected: 07/18/22 12:00

Client ID: SB-BCP-09-0 TO 2-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	47		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Cyclohexane	0.80	J	ug/kg	12	0.66	1
Freon-113	ND		ug/kg	4.8	0.84	1
Methyl cyclohexane	ND		ug/kg	4.8	0.73	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	102		70-130

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-02
Client ID: SB-BCP-09-8 TO 10-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/22 11:43
Analyst: JC
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	3.3	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.21	1
Chloroform	ND		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.33	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.72	0.28	1
Chlorobenzene	ND		ug/kg	0.72	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.8	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.37	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	0.24	1
Bromodichloromethane	ND		ug/kg	0.72	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.39	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	0.23	1
Bromoform	ND		ug/kg	5.8	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	0.24	1
Benzene	ND		ug/kg	0.72	0.24	1
Toluene	ND		ug/kg	1.4	0.78	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.8	1.3	1
Bromomethane	ND		ug/kg	2.9	0.84	1
Vinyl chloride	ND		ug/kg	1.4	0.48	1
Chloroethane	ND		ug/kg	2.9	0.65	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1
Trichloroethene	ND		ug/kg	0.72	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-02 Date Collected: 07/18/22 12:15

Client ID: SB-BCP-09-8 TO 10-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	ND		ug/kg	2.9	0.81	1
o-Xylene	ND		ug/kg	1.4	0.42	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	130		ug/kg	14	7.0	1
Carbon disulfide	ND		ug/kg	14	6.6	1
2-Butanone	20		ug/kg	14	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
2-Hexanone	ND		ug/kg	14	1.7	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
n-Butylbenzene	ND		ug/kg	1.4	0.24	1
sec-Butylbenzene	ND		ug/kg	1.4	0.21	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.16	1
Naphthalene	ND		ug/kg	5.8	0.94	1
n-Propylbenzene	ND		ug/kg	1.4	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.48	1
Methyl Acetate	ND		ug/kg	5.8	1.4	1
Cyclohexane	ND		ug/kg	14	0.79	1
Freon-113	ND		ug/kg	5.8	1.0	1
Methyl cyclohexane	ND		ug/kg	5.8	0.87	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-07
Client ID: SB-BCP-11-2 TO 4-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 08:35
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/22 12:06
Analyst: JC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.18	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-07 Date Collected: 07/18/22 08:35

Client ID: SB-BCP-11-2 TO 4-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.60	1
Freon-113	ND		ug/kg	4.4	0.77	1
Methyl cyclohexane	ND		ug/kg	4.4	0.67	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-08
Client ID: SB-BCP-11-10 TO 12-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 08:45
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 07/25/22 12:28
Analyst: JC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-08 Date Collected: 07/18/22 08:45

Client ID: SB-BCP-11-10 TO 12-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	73		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	7.7	J	ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Cyclohexane	ND		ug/kg	11	0.61	1
Freon-113	ND		ug/kg	4.5	0.78	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/22 09:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07-08 Batch: WG1667520-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/22 09:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07-08 Batch: WG1667520-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/25/22 09:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07-08 Batch: WG1667520-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/26/22 09:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1668034-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/26/22 09:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1668034-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	0.64	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 07/26/22 09:05
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1668034-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07-08 Batch: WG1667520-3 WG1667520-4								
Methylene chloride	96		98		70-130	2		30
1,1-Dichloroethane	99		99		70-130	0		30
Chloroform	99		99		70-130	0		30
Carbon tetrachloride	95		95		70-130	0		30
1,2-Dichloropropane	102		101		70-130	1		30
Dibromochloromethane	93		92		70-130	1		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	96		95		70-130	1		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	110		109		70-139	1		30
1,2-Dichloroethane	100		101		70-130	1		30
1,1,1-Trichloroethane	98		98		70-130	0		30
Bromodichloromethane	96		98		70-130	2		30
trans-1,3-Dichloropropene	94		94		70-130	0		30
cis-1,3-Dichloropropene	97		97		70-130	0		30
Bromoform	86		87		70-130	1		30
1,1,2,2-Tetrachloroethane	90		93		70-130	3		30
Benzene	98		98		70-130	0		30
Toluene	92		92		70-130	0		30
Ethylbenzene	96		96		70-130	0		30
Chloromethane	94		95		52-130	1		30
Bromomethane	124		120		57-147	3		30
Vinyl chloride	103		101		67-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07-08 Batch: WG1667520-3 WG1667520-4								
Chloroethane	116		116		50-151	0		30
1,1-Dichloroethene	94		104		65-135	10		30
trans-1,2-Dichloroethene	94		94		70-130	0		30
Trichloroethene	103		101		70-130	2		30
1,2-Dichlorobenzene	93		93		70-130	0		30
1,3-Dichlorobenzene	95		93		70-130	2		30
1,4-Dichlorobenzene	91		91		70-130	0		30
Methyl tert butyl ether	91		91		66-130	0		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	94		93		70-130	1		30
cis-1,2-Dichloroethene	93		93		70-130	0		30
Styrene	95		96		70-130	1		30
Dichlorodifluoromethane	89		86		30-146	3		30
Acetone	108		119		54-140	10		30
Carbon disulfide	98		110		59-130	12		30
2-Butanone	88		96		70-130	9		30
4-Methyl-2-pentanone	93		93		70-130	0		30
2-Hexanone	97		107		70-130	10		30
1,2-Dibromoethane	95		94		70-130	1		30
n-Butylbenzene	103		102		70-130	1		30
sec-Butylbenzene	100		99		70-130	1		30
tert-Butylbenzene	95		94		70-130	1		30
1,2-Dibromo-3-chloropropane	80		84		68-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07-08 Batch: WG1667520-3 WG1667520-4								
Isopropylbenzene	95		95		70-130	0		30
p-Isopropyltoluene	98		97		70-130	1		30
Naphthalene	91		92		70-130	1		30
n-Propylbenzene	98		98		70-130	0		30
1,2,4-Trichlorobenzene	90		92		70-130	2		30
1,3,5-Trimethylbenzene	95		95		70-130	0		30
1,2,4-Trimethylbenzene	94		95		70-130	1		30
Methyl Acetate	100		99		51-146	1		30
Cyclohexane	108		106		59-142	2		30
Freon-113	103		112		50-139	8		30
Methyl cyclohexane	102		101		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1668034-3 WG1668034-4								
Methylene chloride	98		96		70-130	2		30
1,1-Dichloroethane	97		94		70-130	3		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	105		105		70-130	0		30
1,2-Dichloropropane	96		93		70-130	3		30
Dibromochloromethane	102		101		70-130	1		30
1,1,2-Trichloroethane	93		90		70-130	3		30
Tetrachloroethene	105		104		70-130	1		30
Chlorobenzene	95		95		70-130	0		30
Trichlorofluoromethane	104		101		70-139	3		30
1,2-Dichloroethane	98		96		70-130	2		30
1,1,1-Trichloroethane	105		102		70-130	3		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	97		96		70-130	1		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
Bromoform	104		101		70-130	3		30
1,1,2,2-Tetrachloroethane	88		86		70-130	2		30
Benzene	96		94		70-130	2		30
Toluene	94		94		70-130	0		30
Ethylbenzene	95		95		70-130	0		30
Chloromethane	102		101		52-130	1		30
Bromomethane	93		92		57-147	1		30
Vinyl chloride	99		96		67-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1668034-3 WG1668034-4								
Chloroethane	90		88		50-151	2		30
1,1-Dichloroethene	107		105		65-135	2		30
trans-1,2-Dichloroethene	104		102		70-130	2		30
Trichloroethene	99		98		70-130	1		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	97		96		70-130	1		30
Methyl tert butyl ether	102		99		66-130	3		30
p/m-Xylene	97		97		70-130	0		30
o-Xylene	97		97		70-130	0		30
cis-1,2-Dichloroethene	101		99		70-130	2		30
Styrene	85		85		70-130	0		30
Dichlorodifluoromethane	140		136		30-146	3		30
Acetone	77		77		54-140	0		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	79		77		70-130	3		30
4-Methyl-2-pentanone	90		88		70-130	2		30
2-Hexanone	88		86		70-130	2		30
1,2-Dibromoethane	100		98		70-130	2		30
n-Butylbenzene	96		96		70-130	0		30
sec-Butylbenzene	99		98		70-130	1		30
tert-Butylbenzene	102		101		70-130	1		30
1,2-Dibromo-3-chloropropane	96		93		68-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1668034-3 WG1668034-4								
Isopropylbenzene	101		99		70-130	2		30
p-Isopropyltoluene	103		102		70-130	1		30
Naphthalene	98		96		70-130	2		30
n-Propylbenzene	98		97		70-130	1		30
1,2,4-Trichlorobenzene	100		97		70-130	3		30
1,3,5-Trimethylbenzene	100		99		70-130	1		30
1,2,4-Trimethylbenzene	100		99		70-130	1		30
Methyl Acetate	88		88		51-146	0		30
Cyclohexane	99		97		59-142	2		30
Freon-113	106		103		50-139	3		30
Methyl cyclohexane	99		98		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		95		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	102		100		70-130

SEMIVOLATILES

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-01 D
Client ID: SB-BCP-09-0 TO 2-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/01/22 12:42
Analyst: SZ
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	210	J	ug/kg	840	110	5
Hexachlorobenzene	ND		ug/kg	630	120	5
Bis(2-chloroethyl)ether	ND		ug/kg	940	140	5
2-Chloronaphthalene	ND		ug/kg	1000	100	5
3,3'-Dichlorobenzidine	ND		ug/kg	1000	280	5
2,4-Dinitrotoluene	ND		ug/kg	1000	210	5
2,6-Dinitrotoluene	ND		ug/kg	1000	180	5
Fluoranthene	6700		ug/kg	630	120	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1000	110	5
4-Bromophenyl phenyl ether	ND		ug/kg	1000	160	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	180	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1100	100	5
Hexachlorobutadiene	ND		ug/kg	1000	150	5
Hexachlorocyclopentadiene	ND		ug/kg	3000	950	5
Hexachloroethane	ND		ug/kg	840	170	5
Isophorone	ND		ug/kg	940	140	5
Naphthalene	220	J	ug/kg	1000	130	5
Nitrobenzene	ND		ug/kg	940	160	5
NDPA/DPA	ND		ug/kg	840	120	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1000	160	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1000	360	5
Butyl benzyl phthalate	ND		ug/kg	1000	260	5
Di-n-butylphthalate	ND		ug/kg	1000	200	5
Di-n-octylphthalate	ND		ug/kg	1000	360	5
Diethyl phthalate	ND		ug/kg	1000	97.	5
Dimethyl phthalate	ND		ug/kg	1000	220	5
Benzo(a)anthracene	4200		ug/kg	630	120	5
Benzo(a)pyrene	4400		ug/kg	840	260	5

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-01 D
Client ID: SB-BCP-09-0 TO 2-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	7200		ug/kg	630	180	5
Benzo(k)fluoranthene	2100		ug/kg	630	170	5
Chrysene	5900		ug/kg	630	110	5
Acenaphthylene	ND		ug/kg	840	160	5
Anthracene	530	J	ug/kg	630	200	5
Benzo(ghi)perylene	3200		ug/kg	840	120	5
Fluorene	200	J	ug/kg	1000	100	5
Phenanthrene	2500		ug/kg	630	130	5
Dibenzo(a,h)anthracene	810		ug/kg	630	120	5
Indeno(1,2,3-cd)pyrene	3500		ug/kg	840	150	5
Pyrene	5300		ug/kg	630	100	5
Biphenyl	ND		ug/kg	2400	140	5
4-Chloroaniline	ND		ug/kg	1000	190	5
2-Nitroaniline	ND		ug/kg	1000	200	5
3-Nitroaniline	ND		ug/kg	1000	200	5
4-Nitroaniline	ND		ug/kg	1000	430	5
Dibenzofuran	160	J	ug/kg	1000	99.	5
2-Methylnaphthalene	240	J	ug/kg	1300	130	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1000	110	5
Acetophenone	ND		ug/kg	1000	130	5
2,4,6-Trichlorophenol	ND		ug/kg	630	200	5
p-Chloro-m-cresol	ND		ug/kg	1000	160	5
2-Chlorophenol	ND		ug/kg	1000	120	5
2,4-Dichlorophenol	ND		ug/kg	940	170	5
2,4-Dimethylphenol	ND		ug/kg	1000	350	5
2-Nitrophenol	ND		ug/kg	2300	390	5
4-Nitrophenol	ND		ug/kg	1500	430	5
2,4-Dinitrophenol	ND		ug/kg	5000	490	5
4,6-Dinitro-o-cresol	ND		ug/kg	2700	500	5
Pentachlorophenol	ND		ug/kg	840	230	5
Phenol	ND		ug/kg	1000	160	5
2-Methylphenol	ND		ug/kg	1000	160	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1500	160	5
2,4,5-Trichlorophenol	ND		ug/kg	1000	200	5
Carbazole	390	J	ug/kg	1000	100	5
Atrazine	ND		ug/kg	840	370	5
Benzaldehyde	ND		ug/kg	1400	280	5

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-01 D
Client ID: SB-BCP-09-0 TO 2-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	1000	320	5
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1000	210	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	40		30-120
2,4,6-Tribromophenol	30		10-136
4-Terphenyl-d14	38		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-02
Client ID: SB-BCP-09-8 TO 10-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/31/22 23:17
Analyst: SZ
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	25.	1
Hexachlorobenzene	ND		ug/kg	150	27.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	33.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	65.	1
2,4-Dinitrotoluene	ND		ug/kg	240	49.	1
2,6-Dinitrotoluene	ND		ug/kg	240	42.	1
Fluoranthene	66	J	ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	37.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	24.	1
Hexachlorobutadiene	ND		ug/kg	240	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	700	220	1
Hexachloroethane	ND		ug/kg	200	40.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	ND		ug/kg	240	30.	1
Nitrobenzene	ND		ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	38.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	85.	1
Butyl benzyl phthalate	ND		ug/kg	240	62.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	83.	1
Diethyl phthalate	ND		ug/kg	240	23.	1
Dimethyl phthalate	ND		ug/kg	240	51.	1
Benzo(a)anthracene	52	J	ug/kg	150	28.	1
Benzo(a)pyrene	ND		ug/kg	200	60.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-02 Date Collected: 07/18/22 12:15

Client ID: SB-BCP-09-8 TO 10-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	55	J	ug/kg	150	41.	1
Benzo(k)fluoranthene	ND		ug/kg	150	39.	1
Chrysene	46	J	ug/kg	150	25.	1
Acenaphthylene	ND		ug/kg	200	38.	1
Anthracene	ND		ug/kg	150	48.	1
Benzo(ghi)perylene	ND		ug/kg	200	29.	1
Fluorene	ND		ug/kg	240	24.	1
Phenanthrene	54	J	ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	28.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	34.	1
Pyrene	54	J	ug/kg	150	24.	1
Biphenyl	ND		ug/kg	560	32.	1
4-Chloroaniline	ND		ug/kg	240	44.	1
2-Nitroaniline	ND		ug/kg	240	47.	1
3-Nitroaniline	ND		ug/kg	240	46.	1
4-Nitroaniline	ND		ug/kg	240	100	1
Dibenzofuran	ND		ug/kg	240	23.	1
2-Methylnaphthalene	ND		ug/kg	290	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	26.	1
Acetophenone	ND		ug/kg	240	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	46.	1
p-Chloro-m-cresol	ND		ug/kg	240	36.	1
2-Chlorophenol	ND		ug/kg	240	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	39.	1
2,4-Dimethylphenol	ND		ug/kg	240	81.	1
2-Nitrophenol	ND		ug/kg	530	92.	1
4-Nitrophenol	ND		ug/kg	340	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	120	1
Pentachlorophenol	ND		ug/kg	200	54.	1
Phenol	ND		ug/kg	240	37.	1
2-Methylphenol	ND		ug/kg	240	38.	1
3-Methylphenol/4-Methylphenol	67	J	ug/kg	350	38.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	47.	1
Carbazole	ND		ug/kg	240	24.	1
Atrazine	ND		ug/kg	200	86.	1
Benzaldehyde	ND		ug/kg	320	66.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-02 Date Collected: 07/18/22 12:15

Client ID: SB-BCP-09-8 TO 10-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	240	74.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	39		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-03
Client ID: SB-BCP-08-0 TO 2-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 11:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/31/22 23:41
Analyst: SZ
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	560		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	41	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	450		ug/kg	110	22.	1
Benzo(a)pyrene	560		ug/kg	150	47.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-03 Date Collected: 07/18/22 11:00

Client ID: SB-BCP-08-0 TO 2-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	710		ug/kg	110	32.	1
Benzo(k)fluoranthene	220		ug/kg	110	31.	1
Chrysene	530		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	58	J	ug/kg	110	37.	1
Benzo(ghi)perylene	390		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	270		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	420		ug/kg	150	27.	1
Pyrene	500		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	25	J	ug/kg	190	18.	1
2-Methylnaphthalene	42	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	39	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	52.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-03 Date Collected: 07/18/22 11:00

Client ID: SB-BCP-08-0 TO 2-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	44		30-120
2,4,6-Tribromophenol	40		10-136
4-Terphenyl-d14	39		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-04
Client ID: SB-BCP-08-10 TO 12-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 11:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/01/22 00:05
Analyst: SZ
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-04 Date Collected: 07/18/22 11:15

Client ID: SB-BCP-08-10 TO 12-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	490	28.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	170	76.	1
Benzaldehyde	ND		ug/kg	290	58.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-04 Date Collected: 07/18/22 11:15

Client ID: SB-BCP-08-10 TO 12-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	66.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	42		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	46		10-136
4-Terphenyl-d14	41		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-05
Client ID: SB-BCP-10-0 TO 4-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 09:30
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/02/22 13:09
Analyst: ALS
Percent Solids: 77%
Extraction Method: EPA 3546
Extraction Date: 08/01/22 17:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	J	ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	1700		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	89	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	1400		ug/kg	130	24.	1
Benzo(a)pyrene	2200		ug/kg	170	52.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-05 Date Collected: 07/18/22 09:30

Client ID: SB-BCP-10-0 TO 4-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	4500		ug/kg	130	36.	1
Benzo(k)fluoranthene	1100		ug/kg	130	34.	1
Chrysene	2200		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	69	J	ug/kg	130	41.	1
Benzo(ghi)perylene	2400		ug/kg	170	25.	1
Fluorene	31	J	ug/kg	210	20.	1
Phenanthrene	500		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	540		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	2400		ug/kg	170	30.	1
Pyrene	1600		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	28.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	46	J	ug/kg	210	20.	1
2-Methylnaphthalene	120	J	ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Carbazole	62	J	ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-05 Date Collected: 07/18/22 09:30

Client ID: SB-BCP-10-0 TO 4-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	68		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-06
Client ID: SB-BCP-10-10 TO 12-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 09:40
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/01/22 00:52
Analyst: SZ
Percent Solids: 67%
Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	25.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	33.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	65.	1
2,4-Dinitrotoluene	ND		ug/kg	240	49.	1
2,6-Dinitrotoluene	ND		ug/kg	240	42.	1
Fluoranthene	ND		ug/kg	150	28.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	26.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	37.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	42.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	25.	1
Hexachlorobutadiene	ND		ug/kg	240	36.	1
Hexachlorocyclopentadiene	ND		ug/kg	700	220	1
Hexachloroethane	ND		ug/kg	200	40.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	ND		ug/kg	240	30.	1
Nitrobenzene	ND		ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	38.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	85.	1
Butyl benzyl phthalate	ND		ug/kg	240	62.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	84.	1
Diethyl phthalate	ND		ug/kg	240	23.	1
Dimethyl phthalate	ND		ug/kg	240	52.	1
Benzo(a)anthracene	ND		ug/kg	150	28.	1
Benzo(a)pyrene	ND		ug/kg	200	60.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-06 Date Collected: 07/18/22 09:40

Client ID: SB-BCP-10-10 TO 12-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	150	41.	1
Benzo(k)fluoranthene	ND		ug/kg	150	39.	1
Chrysene	ND		ug/kg	150	26.	1
Acenaphthylene	ND		ug/kg	200	38.	1
Anthracene	ND		ug/kg	150	48.	1
Benzo(ghi)perylene	ND		ug/kg	200	29.	1
Fluorene	ND		ug/kg	240	24.	1
Phenanthrene	ND		ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	28.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	34.	1
Pyrene	ND		ug/kg	150	24.	1
Biphenyl	ND		ug/kg	560	32.	1
4-Chloroaniline	ND		ug/kg	240	45.	1
2-Nitroaniline	ND		ug/kg	240	47.	1
3-Nitroaniline	ND		ug/kg	240	46.	1
4-Nitroaniline	ND		ug/kg	240	100	1
Dibenzofuran	ND		ug/kg	240	23.	1
2-Methylnaphthalene	ND		ug/kg	290	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	26.	1
Acetophenone	ND		ug/kg	240	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	46.	1
p-Chloro-m-cresol	ND		ug/kg	240	37.	1
2-Chlorophenol	ND		ug/kg	240	29.	1
2,4-Dichlorophenol	ND		ug/kg	220	40.	1
2,4-Dimethylphenol	ND		ug/kg	240	81.	1
2-Nitrophenol	ND		ug/kg	530	92.	1
4-Nitrophenol	ND		ug/kg	340	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	640	120	1
Pentachlorophenol	ND		ug/kg	200	54.	1
Phenol	ND		ug/kg	240	37.	1
2-Methylphenol	ND		ug/kg	240	38.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	38.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	47.	1
Carbazole	ND		ug/kg	240	24.	1
Atrazine	ND		ug/kg	200	86.	1
Benzaldehyde	69	J	ug/kg	320	66.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-06 Date Collected: 07/18/22 09:40

Client ID: SB-BCP-10-10 TO 12-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	240	75.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	240	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	51		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-07
Client ID: SB-BCP-11-2 TO 4-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 08:35
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/01/22 01:16
Analyst: SZ
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	47	J	ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	910		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	26	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	160	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	540		ug/kg	120	23.	1
Benzo(a)pyrene	460		ug/kg	160	50.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-07 Date Collected: 07/18/22 08:35

Client ID: SB-BCP-11-2 TO 4-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	810		ug/kg	120	35.	1
Benzo(k)fluoranthene	240		ug/kg	120	33.	1
Chrysene	660		ug/kg	120	22.	1
Acenaphthylene	54	J	ug/kg	160	32.	1
Anthracene	160		ug/kg	120	40.	1
Benzo(ghi)perylene	280		ug/kg	160	24.	1
Fluorene	54	J	ug/kg	210	20.	1
Phenanthrene	780		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	90	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	320		ug/kg	160	29.	1
Pyrene	820		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	34	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	160	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	52	J	ug/kg	210	20.	1
Atrazine	ND		ug/kg	160	72.	1
Benzaldehyde	ND		ug/kg	270	56.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-07 Date Collected: 07/18/22 08:35

Client ID: SB-BCP-11-2 TO 4-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	63.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		25-120
Phenol-d6	43		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	43		30-120
2,4,6-Tribromophenol	40		10-136
4-Terphenyl-d14	42		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-08
Client ID: SB-BCP-11-10 TO 12-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 08:45
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/01/22 01:39
Analyst: SZ
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-08 Date Collected: 07/18/22 08:45

Client ID: SB-BCP-11-10 TO 12-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	71.	1
Benzaldehyde	ND		ug/kg	270	54.	1

Project Name: 750 EAST FERRY **Lab Number:** L2238191

Project Number: Not Specified **Report Date:** 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-08 Date Collected: 07/18/22 08:45

Client ID: SB-BCP-11-10 TO 12-07182022 Date Received: 07/18/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	41.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	75		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/22 16:40
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG1665416-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/22 16:40
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG1665416-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/22 16:40
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 07/20/22 19:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,06-08 Batch: WG1665416-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		25-120
Phenol-d6	39		10-120
Nitrobenzene-d5	32		23-120
2-Fluorobiphenyl	39		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	42		18-120

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/02/22 10:18
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/01/22 06:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1669599-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/02/22 10:18
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/01/22 06:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1669599-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/02/22 10:18
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/01/22 06:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1669599-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	103		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG1665416-2 WG1665416-3								
Acenaphthene	82		73		31-137	12		50
Hexachlorobenzene	112		103		40-140	8		50
Bis(2-chloroethyl)ether	81		71		40-140	13		50
2-Chloronaphthalene	92		80		40-140	14		50
3,3'-Dichlorobenzidine	80		76		40-140	5		50
2,4-Dinitrotoluene	98		88		40-132	11		50
2,6-Dinitrotoluene	102		91		40-140	11		50
Fluoranthene	87		79		40-140	10		50
4-Chlorophenyl phenyl ether	91		82		40-140	10		50
4-Bromophenyl phenyl ether	103		94		40-140	9		50
Bis(2-chloroisopropyl)ether	62		53		40-140	16		50
Bis(2-chloroethoxy)methane	86		75		40-117	14		50
Hexachlorobutadiene	96		82		40-140	16		50
Hexachlorocyclopentadiene	69		57		40-140	19		50
Hexachloroethane	80		66		40-140	19		50
Isophorone	83		72		40-140	14		50
Naphthalene	86		74		40-140	15		50
Nitrobenzene	84		72		40-140	15		50
NDPA/DPA	90		82		36-157	9		50
n-Nitrosodi-n-propylamine	81		70		32-121	15		50
Bis(2-ethylhexyl)phthalate	86		78		40-140	10		50
Butyl benzyl phthalate	92		82		40-140	11		50
Di-n-butylphthalate	94		84		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG1665416-2 WG1665416-3								
Di-n-octylphthalate	89		79		40-140	12		50
Diethyl phthalate	88		81		40-140	8		50
Dimethyl phthalate	96		86		40-140	11		50
Benzo(a)anthracene	90		82		40-140	9		50
Benzo(a)pyrene	104		94		40-140	10		50
Benzo(b)fluoranthene	99		90		40-140	10		50
Benzo(k)fluoranthene	96		85		40-140	12		50
Chrysene	84		77		40-140	9		50
Acenaphthylene	95		84		40-140	12		50
Anthracene	81		74		40-140	9		50
Benzo(ghi)perylene	87		81		40-140	7		50
Fluorene	87		79		40-140	10		50
Phenanthrene	79		71		40-140	11		50
Dibenzo(a,h)anthracene	91		85		40-140	7		50
Indeno(1,2,3-cd)pyrene	98		92		40-140	6		50
Pyrene	84		78		35-142	7		50
Biphenyl	88		78		37-127	12		50
4-Chloroaniline	70		64		40-140	9		50
2-Nitroaniline	107		95		47-134	12		50
3-Nitroaniline	77		75		26-129	3		50
4-Nitroaniline	92		85		41-125	8		50
Dibenzofuran	85		78		40-140	9		50
2-Methylnaphthalene	90		78		40-140	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: Not Specified

Lab Number: L2238191

Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG1665416-2 WG1665416-3								
1,2,4,5-Tetrachlorobenzene	101		87		40-117	15		50
Acetophenone	86		74		14-144	15		50
2,4,6-Trichlorophenol	112		100		30-130	11		50
p-Chloro-m-cresol	96		87		26-103	10		50
2-Chlorophenol	90		77		25-102	16		50
2,4-Dichlorophenol	97		85		30-130	13		50
2,4-Dimethylphenol	89		77		30-130	14		50
2-Nitrophenol	93		80		30-130	15		50
4-Nitrophenol	74		70		11-114	6		50
2,4-Dinitrophenol	97		91		4-130	6		50
4,6-Dinitro-o-cresol	100		92		10-130	8		50
Pentachlorophenol	95		87		17-109	9		50
Phenol	**93**	Q	80		26-90	15		50
2-Methylphenol	92		80		30-130.	14		50
3-Methylphenol/4-Methylphenol	100		89		30-130	12		50
2,4,5-Trichlorophenol	112		100		30-130	11		50
Carbazole	84		77		54-128	9		50
Atrazine	118		109		40-140	8		50
Benzaldehyde	87		71		40-140	20		50
Caprolactam	79		72		15-130	9		50
2,3,4,6-Tetrachlorophenol	107		96		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: Not Specified

Lab Number: L2238191

Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,06-08 Batch: WG1665416-2 WG1665416-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		40		25-120
Phenol-d6	47		41		10-120
Nitrobenzene-d5	42		36		23-120
2-Fluorobiphenyl	48		42		30-120
2,4,6-Tribromophenol	63		60		10-136
4-Terphenyl-d14	49		45		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1669599-2 WG1669599-3								
Acenaphthene	89		102		31-137	14		50
Hexachlorobenzene	99		112		40-140	12		50
Bis(2-chloroethyl)ether	74		89		40-140	18		50
2-Chloronaphthalene	92		103		40-140	11		50
3,3'-Dichlorobenzidine	80		74		40-140	8		50
2,4-Dinitrotoluene	95		109		40-132	14		50
2,6-Dinitrotoluene	96		106		40-140	10		50
Fluoranthene	94		105		40-140	11		50
4-Chlorophenyl phenyl ether	96		108		40-140	12		50
4-Bromophenyl phenyl ether	97		109		40-140	12		50
Bis(2-chloroisopropyl)ether	62		75		40-140	19		50
Bis(2-chloroethoxy)methane	81		94		40-117	15		50
Hexachlorobutadiene	87		104		40-140	18		50
Hexachlorocyclopentadiene	86		100		40-140	15		50
Hexachloroethane	74		90		40-140	20		50
Isophorone	78		89		40-140	13		50
Naphthalene	84		98		40-140	15		50
Nitrobenzene	76		93		40-140	20		50
NDPA/DPA	96		108		36-157	12		50
n-Nitrosodi-n-propylamine	76		89		32-121	16		50
Bis(2-ethylhexyl)phthalate	102		115		40-140	12		50
Butyl benzyl phthalate	96		105		40-140	9		50
Di-n-butylphthalate	95		105		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1669599-2 WG1669599-3								
Di-n-octylphthalate	101		112		40-140	10		50
Diethyl phthalate	96		108		40-140	12		50
Dimethyl phthalate	95		104		40-140	9		50
Benzo(a)anthracene	95		108		40-140	13		50
Benzo(a)pyrene	101		112		40-140	10		50
Benzo(b)fluoranthene	98		113		40-140	14		50
Benzo(k)fluoranthene	103		109		40-140	6		50
Chrysene	96		109		40-140	13		50
Acenaphthylene	93		103		40-140	10		50
Anthracene	91		103		40-140	12		50
Benzo(ghi)perylene	90		102		40-140	13		50
Fluorene	95		108		40-140	13		50
Phenanthrene	90		101		40-140	12		50
Dibenzo(a,h)anthracene	89		100		40-140	12		50
Indeno(1,2,3-cd)pyrene	98		111		40-140	12		50
Pyrene	93		103		35-142	10		50
Biphenyl	89		98		37-127	10		50
4-Chloroaniline	60		69		40-140	14		50
2-Nitroaniline	94		106		47-134	12		50
3-Nitroaniline	80		91		26-129	13		50
4-Nitroaniline	93		105		41-125	12		50
Dibenzofuran	94		106		40-140	12		50
2-Methylnaphthalene	92		103		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1669599-2 WG1669599-3								
1,2,4,5-Tetrachlorobenzene	91		102		40-117	11		50
Acetophenone	76		92		14-144	19		50
2,4,6-Trichlorophenol	99		110		30-130	11		50
p-Chloro-m-cresol	96		**107**	Q	26-103	11		50
2-Chlorophenol	83		99		25-102	18		50
2,4-Dichlorophenol	93		107		30-130	14		50
2,4-Dimethylphenol	87		101		30-130	15		50
2-Nitrophenol	82		98		30-130	18		50
4-Nitrophenol	90		104		11-114	14		50
2,4-Dinitrophenol	81		93		4-130	14		50
4,6-Dinitro-o-cresol	98		114		10-130	15		50
Pentachlorophenol	83		97		17-109	16		50
Phenol	83		**98**	Q	26-90	17		50
2-Methylphenol	84		98		30-130.	15		50
3-Methylphenol/4-Methylphenol	87		99		30-130	13		50
2,4,5-Trichlorophenol	101		113		30-130	11		50
Carbazole	92		104		54-128	12		50
Atrazine	96		88		40-140	9		50
Benzaldehyde	83		111		40-140	29		50
Caprolactam	78		88		15-130	12		50
2,3,4,6-Tetrachlorophenol	101		116		40-140	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: Not Specified

Lab Number: L2238191

Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1669599-2 WG1669599-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		91		25-120
Phenol-d6	91		91		10-120
Nitrobenzene-d5	80		81		23-120
2-Fluorobiphenyl	98		91		30-120
2,4,6-Tribromophenol	108		101		10-136
4-Terphenyl-d14	100		92		18-120

PCBS

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-01
Client ID: SB-BCP-09-0 TO 2-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 13:02
Analyst: ER
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 22:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.69	1	A
Aroclor 1221	ND		ug/kg	41.6	4.16	1	A
Aroclor 1232	ND		ug/kg	41.6	8.81	1	A
Aroclor 1242	ND		ug/kg	41.6	5.60	1	A
Aroclor 1248	ND		ug/kg	41.6	6.24	1	A
Aroclor 1254	40.0	J	ug/kg	41.6	4.55	1	B
Aroclor 1260	34.2	JIP	ug/kg	41.6	7.68	1	B
Aroclor 1262	ND		ug/kg	41.6	5.28	1	A
Aroclor 1268	ND		ug/kg	41.6	4.31	1	A
PCBs, Total	74.2	J	ug/kg	41.6	3.69	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-02
Client ID: SB-BCP-09-8 TO 10-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 13:42
Analyst: ER
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 22:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	48.2	4.28	1	A
Aroclor 1221	ND		ug/kg	48.2	4.83	1	A
Aroclor 1232	ND		ug/kg	48.2	10.2	1	A
Aroclor 1242	ND		ug/kg	48.2	6.50	1	A
Aroclor 1248	ND		ug/kg	48.2	7.23	1	A
Aroclor 1254	ND		ug/kg	48.2	5.28	1	A
Aroclor 1260	ND		ug/kg	48.2	8.91	1	A
Aroclor 1262	ND		ug/kg	48.2	6.12	1	A
Aroclor 1268	ND		ug/kg	48.2	5.00	1	A
PCBs, Total	ND		ug/kg	48.2	4.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-03
Client ID: SB-BCP-08-0 TO 2-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 11:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 13:12
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 22:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	3.37	1	A
Aroclor 1221	ND		ug/kg	37.9	3.80	1	A
Aroclor 1232	ND		ug/kg	37.9	8.04	1	A
Aroclor 1242	ND		ug/kg	37.9	5.11	1	A
Aroclor 1248	ND		ug/kg	37.9	5.69	1	A
Aroclor 1254	ND		ug/kg	37.9	4.15	1	A
Aroclor 1260	ND		ug/kg	37.9	7.01	1	A
Aroclor 1262	ND		ug/kg	37.9	4.82	1	A
Aroclor 1268	ND		ug/kg	37.9	3.93	1	A
PCBs, Total	ND		ug/kg	37.9	3.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-04
Client ID: SB-BCP-08-10 TO 12-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 11:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 14:02
Analyst: ER
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 22:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.7	3.79	1	A
Aroclor 1221	ND		ug/kg	42.7	4.28	1	A
Aroclor 1232	ND		ug/kg	42.7	9.06	1	A
Aroclor 1242	ND		ug/kg	42.7	5.76	1	A
Aroclor 1248	ND		ug/kg	42.7	6.41	1	A
Aroclor 1254	ND		ug/kg	42.7	4.67	1	A
Aroclor 1260	ND		ug/kg	42.7	7.89	1	A
Aroclor 1262	ND		ug/kg	42.7	5.42	1	A
Aroclor 1268	ND		ug/kg	42.7	4.42	1	A
PCBs, Total	ND		ug/kg	42.7	3.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-05
Client ID: SB-BCP-10-0 TO 4-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 09:30
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 13:22
Analyst: ER
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 22:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.1	3.65	1	A
Aroclor 1221	ND		ug/kg	41.1	4.12	1	A
Aroclor 1232	ND		ug/kg	41.1	8.72	1	A
Aroclor 1242	ND		ug/kg	41.1	5.54	1	A
Aroclor 1248	ND		ug/kg	41.1	6.17	1	A
Aroclor 1254	ND		ug/kg	41.1	4.50	1	A
Aroclor 1260	34.8	J	ug/kg	41.1	7.60	1	A
Aroclor 1262	ND		ug/kg	41.1	5.22	1	A
Aroclor 1268	12.0	J	ug/kg	41.1	4.26	1	B
PCBs, Total	46.8	J	ug/kg	41.1	3.65	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-06
Client ID: SB-BCP-10-10 TO 12-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 09:40
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 14:12
Analyst: ER
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 22:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.7	4.23	1	A
Aroclor 1221	ND		ug/kg	47.7	4.78	1	A
Aroclor 1232	ND		ug/kg	47.7	10.1	1	A
Aroclor 1242	ND		ug/kg	47.7	6.43	1	A
Aroclor 1248	ND		ug/kg	47.7	7.15	1	A
Aroclor 1254	ND		ug/kg	47.7	5.22	1	A
Aroclor 1260	ND		ug/kg	47.7	8.81	1	A
Aroclor 1262	ND		ug/kg	47.7	6.05	1	A
Aroclor 1268	ND		ug/kg	47.7	4.94	1	A
PCBs, Total	ND		ug/kg	47.7	4.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-07
Client ID: SB-BCP-11-2 TO 4-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 08:35
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 13:32
Analyst: ER
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 22:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.1	3.56	1	A
Aroclor 1221	ND		ug/kg	40.1	4.01	1	A
Aroclor 1232	ND		ug/kg	40.1	8.49	1	A
Aroclor 1242	ND		ug/kg	40.1	5.40	1	A
Aroclor 1248	ND		ug/kg	40.1	6.01	1	A
Aroclor 1254	ND		ug/kg	40.1	4.38	1	A
Aroclor 1260	ND		ug/kg	40.1	7.40	1	A
Aroclor 1262	ND		ug/kg	40.1	5.09	1	A
Aroclor 1268	ND		ug/kg	40.1	4.15	1	A
PCBs, Total	ND		ug/kg	40.1	3.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-08
Client ID: SB-BCP-11-10 TO 12-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 08:45
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/25/22 13:52
Analyst: ER
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 07/20/22 22:28
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.3	3.67	1	A
Aroclor 1221	ND		ug/kg	41.3	4.14	1	A
Aroclor 1232	ND		ug/kg	41.3	8.77	1	A
Aroclor 1242	ND		ug/kg	41.3	5.57	1	A
Aroclor 1248	ND		ug/kg	41.3	6.20	1	A
Aroclor 1254	ND		ug/kg	41.3	4.52	1	A
Aroclor 1260	ND		ug/kg	41.3	7.64	1	A
Aroclor 1262	ND		ug/kg	41.3	5.25	1	A
Aroclor 1268	ND		ug/kg	41.3	4.28	1	A
PCBs, Total	ND		ug/kg	41.3	3.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/21/22 08:58
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 07/20/22 05:41
Cleanup Method: EPA 3665A
Cleanup Date: 07/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 07/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1665034-1						
Aroclor 1016	ND		ug/kg	31.4	2.78	A
Aroclor 1221	ND		ug/kg	31.4	3.14	A
Aroclor 1232	ND		ug/kg	31.4	6.65	A
Aroclor 1242	ND		ug/kg	31.4	4.23	A
Aroclor 1248	ND		ug/kg	31.4	4.70	A
Aroclor 1254	ND		ug/kg	31.4	3.43	A
Aroclor 1260	ND		ug/kg	31.4	5.80	A
Aroclor 1262	ND		ug/kg	31.4	3.98	A
Aroclor 1268	ND		ug/kg	31.4	3.25	A
PCBs, Total	ND		ug/kg	31.4	2.78	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: Not Specified

Lab Number: L2238191

Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1665034-2 WG1665034-3									
Aroclor 1016	103		102		40-140	1		50	A
Aroclor 1260	92		88		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		96		30-150	A
Decachlorobiphenyl	82		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		95		30-150	B
Decachlorobiphenyl	81		75		30-150	B

METALS

Project Name: 750 EAST FERRY
Lab Number: L2238191
Project Number: Not Specified
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-01
Client ID: SB-BCP-09-0 TO 2-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 12:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4850		mg/kg	9.93	2.68	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Antimony, Total	1.44	J	mg/kg	4.96	0.377	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Arsenic, Total	14.7		mg/kg	0.993	0.206	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Barium, Total	34.2		mg/kg	0.993	0.173	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Beryllium, Total	0.189	J	mg/kg	0.496	0.033	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Cadmium, Total	3.01		mg/kg	0.993	0.097	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Calcium, Total	24600		mg/kg	9.93	3.48	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Chromium, Total	18.1		mg/kg	0.993	0.095	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Cobalt, Total	9.13		mg/kg	1.99	0.165	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Copper, Total	136		mg/kg	0.993	0.256	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Iron, Total	78000		mg/kg	49.6	8.97	20	07/21/22 00:24	07/30/22 00:16	EPA 3050B	1,6010D	MC
Lead, Total	18.9		mg/kg	4.96	0.266	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Magnesium, Total	1770		mg/kg	9.93	1.53	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Manganese, Total	607		mg/kg	0.993	0.158	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Mercury, Total	0.161		mg/kg	0.095	0.062	1	07/21/22 01:10	07/31/22 13:34	EPA 7471B	1,7471B	AW
Nickel, Total	17.1		mg/kg	2.48	0.240	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Potassium, Total	498		mg/kg	248	14.3	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.99	0.256	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Silver, Total	1.25		mg/kg	0.993	0.281	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Sodium, Total	182	J	mg/kg	199	3.13	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.99	0.313	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Vanadium, Total	26.2		mg/kg	0.993	0.202	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC
Zinc, Total	49.4		mg/kg	4.96	0.291	2	07/21/22 00:24	07/29/22 21:31	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Lab Number: L2238191
Project Number: Not Specified
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-02
Client ID: SB-BCP-09-8 TO 10-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 12:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4040		mg/kg	11.6	3.13	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Antimony, Total	1.29	J	mg/kg	5.80	0.441	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Arsenic, Total	16.8		mg/kg	1.16	0.241	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Barium, Total	114		mg/kg	1.16	0.202	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Beryllium, Total	0.406	J	mg/kg	0.580	0.038	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Cadmium, Total	0.800	J	mg/kg	1.16	0.114	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Calcium, Total	6460		mg/kg	11.6	4.06	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Chromium, Total	41.1		mg/kg	1.16	0.111	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Cobalt, Total	5.36		mg/kg	2.32	0.192	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Copper, Total	41.8		mg/kg	1.16	0.299	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Iron, Total	10900		mg/kg	5.80	1.05	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Lead, Total	1850		mg/kg	5.80	0.311	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Magnesium, Total	767		mg/kg	11.6	1.78	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Manganese, Total	94.5		mg/kg	1.16	0.184	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Mercury, Total	1.26		mg/kg	0.116	0.076	1	07/21/22 01:10	07/31/22 13:37	EPA 7471B	1,7471B	AW
Nickel, Total	12.3		mg/kg	2.90	0.281	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Potassium, Total	407		mg/kg	290	16.7	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Selenium, Total	9.17		mg/kg	2.32	0.299	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.16	0.328	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Sodium, Total	126	J	mg/kg	232	3.65	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.32	0.365	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Vanadium, Total	29.7		mg/kg	1.16	0.235	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC
Zinc, Total	172		mg/kg	5.80	0.340	2	07/21/22 00:24	07/29/22 21:36	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Lab Number: L2238191
Project Number: Not Specified
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-03
Client ID: SB-BCP-08-0 TO 2-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 11:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1740		mg/kg	9.11	2.46	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.56	0.346	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Arsenic, Total	1.85		mg/kg	0.911	0.190	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Barium, Total	53.5		mg/kg	0.911	0.158	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Beryllium, Total	0.118	J	mg/kg	0.456	0.030	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Cadmium, Total	0.355	J	mg/kg	0.911	0.089	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Calcium, Total	11700		mg/kg	9.11	3.19	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Chromium, Total	5.41		mg/kg	0.911	0.088	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Cobalt, Total	1.44	J	mg/kg	1.82	0.151	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Copper, Total	14.8		mg/kg	0.911	0.235	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Iron, Total	3900		mg/kg	4.56	0.823	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Lead, Total	25.3		mg/kg	4.56	0.244	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Magnesium, Total	1930		mg/kg	9.11	1.40	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Manganese, Total	75.1		mg/kg	0.911	0.145	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.080	0.052	1	07/21/22 01:10	07/31/22 13:40	EPA 7471B	1,7471B	AW
Nickel, Total	13.1		mg/kg	2.28	0.220	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Potassium, Total	282		mg/kg	228	13.1	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.82	0.235	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.911	0.258	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Sodium, Total	54.4	J	mg/kg	182	2.87	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.82	0.287	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Vanadium, Total	4.82		mg/kg	0.911	0.185	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC
Zinc, Total	23.3		mg/kg	4.56	0.267	2	07/21/22 00:24	07/29/22 22:32	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Lab Number: L2238191
Project Number: Not Specified
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-04
Client ID: SB-BCP-08-10 TO 12-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 11:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8480		mg/kg	10.3	2.78	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.15	0.391	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Arsenic, Total	2.80		mg/kg	1.03	0.214	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Barium, Total	83.8		mg/kg	1.03	0.179	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Beryllium, Total	0.463	J	mg/kg	0.515	0.034	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Cadmium, Total	0.978	J	mg/kg	1.03	0.101	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Calcium, Total	3420		mg/kg	10.3	3.60	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Chromium, Total	10.8		mg/kg	1.03	0.099	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Cobalt, Total	6.40		mg/kg	2.06	0.171	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Copper, Total	10.5		mg/kg	1.03	0.266	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Iron, Total	12500		mg/kg	5.15	0.929	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Lead, Total	89.7		mg/kg	5.15	0.276	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Magnesium, Total	2240		mg/kg	10.3	1.58	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Manganese, Total	405		mg/kg	1.03	0.164	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Mercury, Total	0.651		mg/kg	0.103	0.067	1	07/21/22 01:10	07/31/22 13:54	EPA 7471B	1,7471B	AW
Nickel, Total	10.4		mg/kg	2.57	0.249	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Potassium, Total	535		mg/kg	257	14.8	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.06	0.266	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.03	0.291	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Sodium, Total	65.1	J	mg/kg	206	3.24	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.06	0.324	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Vanadium, Total	16.6		mg/kg	1.03	0.209	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC
Zinc, Total	79.1		mg/kg	5.15	0.302	2	07/21/22 00:24	07/29/22 22:36	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Lab Number: L2238191
Project Number: Not Specified
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-05
Client ID: SB-BCP-10-0 TO 4-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 09:30
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5980		mg/kg	10.0	2.70	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Antimony, Total	2.16	J	mg/kg	5.01	0.381	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Arsenic, Total	10.6		mg/kg	1.00	0.208	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Barium, Total	129		mg/kg	1.00	0.174	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Beryllium, Total	0.581		mg/kg	0.501	0.033	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Cadmium, Total	2.94		mg/kg	1.00	0.098	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Calcium, Total	8860		mg/kg	10.0	3.51	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Chromium, Total	98.8		mg/kg	1.00	0.096	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Cobalt, Total	7.00		mg/kg	2.00	0.166	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Copper, Total	198		mg/kg	1.00	0.258	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Iron, Total	71100		mg/kg	50.1	9.05	20	07/21/22 00:24	07/30/22 00:06	EPA 3050B	1,6010D	MC
Lead, Total	412		mg/kg	5.01	0.268	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Magnesium, Total	955		mg/kg	10.0	1.54	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Manganese, Total	1240		mg/kg	1.00	0.159	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Mercury, Total	0.424		mg/kg	0.086	0.056	1	07/21/22 01:10	07/31/22 13:58	EPA 7471B	1,7471B	AW
Nickel, Total	105		mg/kg	2.50	0.242	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Potassium, Total	524		mg/kg	250	14.4	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.00	0.258	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.00	0.284	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Sodium, Total	235		mg/kg	200	3.16	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.00	0.316	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Vanadium, Total	21.0		mg/kg	1.00	0.203	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC
Zinc, Total	125		mg/kg	5.01	0.294	2	07/21/22 00:24	07/29/22 22:41	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Lab Number: L2238191
Project Number: Not Specified
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-06
Client ID: SB-BCP-10-10 TO 12-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 09:40
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7640		mg/kg	11.7	3.16	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.84	0.444	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Arsenic, Total	5.35		mg/kg	1.17	0.243	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Barium, Total	89.4		mg/kg	1.17	0.203	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Beryllium, Total	0.468	J	mg/kg	0.584	0.039	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Cadmium, Total	1.05	J	mg/kg	1.17	0.114	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Calcium, Total	7350		mg/kg	11.7	4.09	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Chromium, Total	10.3		mg/kg	1.17	0.112	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Cobalt, Total	8.59		mg/kg	2.34	0.194	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Copper, Total	80.4		mg/kg	1.17	0.302	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Iron, Total	18100		mg/kg	5.84	1.06	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Lead, Total	202		mg/kg	5.84	0.313	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Magnesium, Total	2110		mg/kg	11.7	1.80	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Manganese, Total	1040		mg/kg	1.17	0.186	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Mercury, Total	0.215		mg/kg	0.102	0.066	1	07/21/22 01:10	07/31/22 14:01	EPA 7471B	1,7471B	AW
Nickel, Total	9.97		mg/kg	2.92	0.283	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Potassium, Total	642		mg/kg	292	16.8	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.34	0.302	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.17	0.331	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Sodium, Total	158	J	mg/kg	234	3.68	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.34	0.368	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Vanadium, Total	21.1		mg/kg	1.17	0.237	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC
Zinc, Total	83.4		mg/kg	5.84	0.342	2	07/21/22 00:24	07/29/22 22:45	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Lab Number: L2238191
Project Number: Not Specified
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-07
Client ID: SB-BCP-11-2 TO 4-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 08:35
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6070		mg/kg	9.90	2.67	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.95	0.376	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Arsenic, Total	4.96		mg/kg	0.990	0.206	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Barium, Total	74.2		mg/kg	0.990	0.172	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Beryllium, Total	0.287	J	mg/kg	0.495	0.033	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Cadmium, Total	0.931	J	mg/kg	0.990	0.097	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Calcium, Total	52500		mg/kg	9.90	3.46	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Chromium, Total	11.5		mg/kg	0.990	0.095	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Cobalt, Total	4.94		mg/kg	1.98	0.164	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Copper, Total	27.4		mg/kg	0.990	0.255	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Iron, Total	18600		mg/kg	4.95	0.894	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Lead, Total	65.4		mg/kg	4.95	0.265	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Magnesium, Total	14500		mg/kg	9.90	1.52	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Manganese, Total	413		mg/kg	0.990	0.157	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Mercury, Total	0.099		mg/kg	0.078	0.051	1	07/21/22 01:10	07/31/22 14:04	EPA 7471B	1,7471B	AW
Nickel, Total	11.5		mg/kg	2.48	0.240	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Potassium, Total	844		mg/kg	248	14.2	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.98	0.255	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.990	0.280	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Sodium, Total	99.7	J	mg/kg	198	3.12	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.98	0.312	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Vanadium, Total	15.2		mg/kg	0.990	0.201	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC
Zinc, Total	80.2		mg/kg	4.95	0.290	2	07/21/22 00:24	07/29/22 22:50	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Lab Number: L2238191
Project Number: Not Specified
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-08
Client ID: SB-BCP-11-10 TO 12-07182022
Sample Location: 750 EAST FERRY
Date Collected: 07/18/22 08:45
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8930		mg/kg	9.86	2.66	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.93	0.375	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Arsenic, Total	1.86		mg/kg	0.986	0.205	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Barium, Total	74.0		mg/kg	0.986	0.172	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Beryllium, Total	0.542		mg/kg	0.493	0.033	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Cadmium, Total	0.523	J	mg/kg	0.986	0.097	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Calcium, Total	4090		mg/kg	9.86	3.45	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Chromium, Total	13.8		mg/kg	0.986	0.095	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Cobalt, Total	6.36		mg/kg	1.97	0.164	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Copper, Total	18.1		mg/kg	0.986	0.254	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Iron, Total	12800		mg/kg	4.93	0.891	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Lead, Total	26.0		mg/kg	4.93	0.264	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Magnesium, Total	4690		mg/kg	9.86	1.52	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Manganese, Total	130		mg/kg	0.986	0.157	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.082	0.053	1	07/21/22 01:10	07/31/22 14:08	EPA 7471B	1,7471B	AW
Nickel, Total	15.4		mg/kg	2.46	0.239	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Potassium, Total	861		mg/kg	246	14.2	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.97	0.254	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.986	0.279	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Sodium, Total	53.6	J	mg/kg	197	3.11	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.97	0.311	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Vanadium, Total	19.5		mg/kg	0.986	0.200	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC
Zinc, Total	88.5		mg/kg	4.93	0.289	2	07/21/22 00:24	07/29/22 22:55	EPA 3050B	1,6010D	MC

Project Name: 750 EAST FERRY
Project Number: Not Specified
Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1665340-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/21/22 00:24	07/29/22 21:17	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1665341-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/21/22 01:10	07/31/22 12:31	1,7471B	AW

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: Not Specified

Lab Number: L2238191

Report Date: 08/02/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1665340-2 SRM Lot Number: D113-540								
Aluminum, Total	70		-		51-149	-		
Antimony, Total	116		-		20-250	-		
Arsenic, Total	102		-		70-130	-		
Barium, Total	93		-		75-125	-		
Beryllium, Total	89		-		75-125	-		
Cadmium, Total	95		-		75-125	-		
Calcium, Total	95		-		73-128	-		
Chromium, Total	95		-		70-130	-		
Cobalt, Total	96		-		75-125	-		
Copper, Total	96		-		75-125	-		
Iron, Total	94		-		36-164	-		
Lead, Total	98		-		72-128	-		
Magnesium, Total	89		-		63-138	-		
Manganese, Total	92		-		77-123	-		
Nickel, Total	96		-		70-130	-		
Potassium, Total	85		-		59-141	-		
Selenium, Total	98		-		66-134	-		
Silver, Total	99		-		70-131	-		
Sodium, Total	95		-		35-164	-		
Thallium, Total	94		-		70-130	-		
Vanadium, Total	96		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: Not Specified

Lab Number: L2238191

Report Date: 08/02/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1665340-2 SRM Lot Number: D113-540					
Zinc, Total	96	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1665341-2 SRM Lot Number: D113-540					
Mercury, Total	78	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1665340-3 QC Sample: L2236747-01 Client ID: MS Sample												
Aluminum, Total	3260	212	3270	**5**	Q	-	-		75-125	-		20
Antimony, Total	ND	53	39.6	75		-	-		75-125	-		20
Arsenic, Total	7.85	12.7	19.3	90		-	-		75-125	-		20
Barium, Total	10.3	212	187	83		-	-		75-125	-		20
Beryllium, Total	0.167J	5.3	4.85	92		-	-		75-125	-		20
Cadmium, Total	0.294J	5.62	4.83	86		-	-		75-125	-		20
Calcium, Total	12800	1060	7280	**0**	Q	-	-		75-125	-		20
Chromium, Total	10.9	21.2	27.8	80		-	-		75-125	-		20
Cobalt, Total	3.34	53	43.4	76		-	-		75-125	-		20
Copper, Total	17.4	26.5	38.7	80		-	-		75-125	-		20
Iron, Total	7090	106	7160	**66**	Q	-	-		75-125	-		20
Lead, Total	15.8	56.2	56.3	**72**	Q	-	-		75-125	-		20
Magnesium, Total	2410	1060	3040	**59**	Q	-	-		75-125	-		20
Manganese, Total	77.8	53	122	83		-	-		75-125	-		20
Nickel, Total	11.0	53	51.0	75		-	-		75-125	-		20
Potassium, Total	1020	1060	1970	90		-	-		75-125	-		20
Selenium, Total	ND	12.7	10.9	86		-	-		75-125	-		20
Silver, Total	ND	31.8	26.8	84		-	-		75-125	-		20
Sodium, Total	2720	1060	3880	109		-	-		75-125	-		20
Thallium, Total	ND	12.7	8.97	**70**	Q	-	-		75-125	-		20
Vanadium, Total	12.5	53	54.4	79		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1665340-3 QC Sample: L2236747-01 Client ID: MS Sample										
Zinc, Total	29.4	53	65.0	**67**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1665341-3 QC Sample: L2236747-01 Client ID: MS Sample										
Mercury, Total	ND	1.85	1.73	93		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1665340-4 QC Sample: L2236747-01 Client ID: DUP Sample						
Arsenic, Total	7.85	8.35	mg/kg	6		20
Barium, Total	10.3	8.47	mg/kg	19		20
Cadmium, Total	0.294J	0.279J	mg/kg	NC		20
Chromium, Total	10.9	9.40	mg/kg	15		20
Lead, Total	15.8	16.2	mg/kg	2		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1665341-4 QC Sample: L2236747-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-01
Client ID: SB-BCP-09-0 TO 2-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	07/19/22 09:11	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-02
Client ID: SB-BCP-09-8 TO 10-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 12:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.8		%	0.100	NA	1	-	07/19/22 09:11	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-03
Client ID: SB-BCP-08-0 TO 2-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 11:00
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	07/19/22 09:11	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-04
Client ID: SB-BCP-08-10 TO 12-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 11:15
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.9		%	0.100	NA	1	-	07/19/22 09:11	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-05
Client ID: SB-BCP-10-0 TO 4-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 09:30
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.2		%	0.100	NA	1	-	07/19/22 09:11	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-06
Client ID: SB-BCP-10-10 TO 12-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 09:40
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.4		%	0.100	NA	1	-	07/19/22 09:11	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-07
Client ID: SB-BCP-11-2 TO 4-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 08:35
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	07/19/22 09:11	121,2540G	RI

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

SAMPLE RESULTS

Lab ID: L2238191-08
Client ID: SB-BCP-11-10 TO 12-07182022
Sample Location: 750 EAST FERRY

Date Collected: 07/18/22 08:45
Date Received: 07/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.4		%	0.100	NA	1	-	07/19/22 09:11	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: Not Specified

Lab Number: L2238191

Report Date: 08/02/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1664519-1 QC Sample: L2238191-01 Client ID: SB-BCP-09-0 TO 2-07182022						
Solids, Total	78.0	78.0	%	0		20

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2238191-01A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2238191-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2238191-01C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-01D	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-01E	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-01F	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2238191-01X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2238191-01Y	Vial Water preserved split	A	NA		4.4	Y	Absent	19-JUL-22 13:53	NYTCL-8260-R2(14)
L2238191-01Z	Vial Water preserved split	A	NA		4.4	Y	Absent	19-JUL-22 13:53	NYTCL-8260-R2(14)
L2238191-02A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2238191-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2238191-02C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-02D	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-02E	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-02F	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2238191-02X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2238191-02Y	Vial Water preserved split	A	NA		4.4	Y	Absent	19-JUL-22 13:53	NYTCL-8260-R2(14)
L2238191-02Z	Vial Water preserved split	A	NA		4.4	Y	Absent	19-JUL-22 13:53	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2238191-03A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2238191-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2238191-03C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-03D	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-03E	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-04A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2238191-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2238191-04C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-04D	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-04E	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-05A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2238191-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2238191-05C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-05D	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-05E	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-06A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2238191-06B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2238191-06C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-06D	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: 750 EAST FERRY
Project Number: Not Specified

Lab Number: L2238191
Report Date: 08/02/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2238191-06E	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-07A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2238191-07B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2238191-07C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-07D	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-07E	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-07F	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2238191-07X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2238191-07Y	Vial Water preserved split	A	NA		4.4	Y	Absent	19-JUL-22 13:53	NYTCL-8260-R2(14)
L2238191-07Z	Vial Water preserved split	A	NA		4.4	Y	Absent	19-JUL-22 13:53	NYTCL-8260-R2(14)
L2238191-08A	Plastic 2oz unpreserved for TS	A	NA		4.4	Y	Absent		TS(7)
L2238191-08B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2238191-08C	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-08D	Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-08E	Glass 120ml/4oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2238191-08F	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2238191-08X	Vial MeOH preserved split	A	NA		4.4	Y	Absent		NYTCL-8260-R2(14)
L2238191-08Y	Vial Water preserved split	A	NA		4.4	Y	Absent	19-JUL-22 13:53	NYTCL-8260-R2(14)
L2238191-08Z	Vial Water preserved split	A	NA		4.4	Y	Absent	19-JUL-22 13:53	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	750 EAST FERRY	**Lab Number:**	L2238191
Project Number:	Not Specified	**Report Date:**	08/02/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 EAST FERRY	**Lab Number:**	L2238191
Project Number:	Not Specified	**Report Date:**	08/02/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	750 EAST FERRY	**Lab Number:**	L2238191
Project Number:	Not Specified	**Report Date:**	08/02/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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320 Forbes Blvd
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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/19/22

ALPHA Job #: L2238191

Client Information

Client: Investum Elvg.
Address: 441 Carlisle Dr. Suite C. Herndon VA.
Phone: 716 553-5129
Fax:
Email: Peter.Zaffa@investumeng.com

Project Information

Project Name: 750 East Ferry
Project Location: 750 East Ferry Buffalo
Project #
(Use Project name as Project #) ☐
Project Manager: John Black
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

NYSDEC EQuIS, NYSDEC CAT B.

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☒ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010C Total Metals	8082A PCBs	7470A Total Hg	8270D SVOCs	5035/8260 VOCs	TS.			Sample Specific Comments
38191-01	SB-BCP-09-0to2-07182022	07/18/22	1200	SOIL	PB	X	X	X	X	X	X			
02	SB-BCP-09-8to10-07182022	07/18/22	1215	SOIL	PB	X	X	X	X	X	X			
03	SB-BCP-08-0to2-07182022	07/18/22	1100	SOIL	PB	X	X	X	X		X			
04	SB-BCP-08-12to14-07182022	07/18/22	1115	SOIL	PB	X	X	X	X		X			
05	SB-BCP-10-0to4-07182022	07/18/22	0930	SOIL	PB	X	X	X	X		X			
06	SB-BCP-10-10to12-07182022	7/18/22	0940	SOIL	PB	X	X	X	X		X			
07	SB-BCP-11-2to4-07182022	7/18/22	0835	SOIL	PB	X	X	X	X	X	X			
08	SB-BCP-11-6to12-07182022	7/18/22	0845	SOIL	PB	X	X	X	X	X	X			
Container Type						A	A	A	A	A	P			
Preservative						A	A	A	A	A	A			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	7/18/22 1630		7/18/22 1630
	7/18/22 1630		7/19/22 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2237078
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	750 EAST FERRY
Project Number:	SUB SURFACE INVESTIG
Report Date:	07/27/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2237078-01	MW-BCP-02A-4 TO 6-07122022	SOIL	750 EAST FERRY	07/12/22 10:50	07/12/22
L2237078-02	MW-BCP-02A-14 TO 15-07122022	SOIL	750 EAST FERRY	07/12/22 10:55	07/12/22
L2237078-03	MW-BCP-03A-2 TO 4-07122022	SOIL	750 EAST FERRY	07/12/22 14:15	07/12/22
L2237078-04	MW-BCP-03A-12 TO 14-07122022	SOIL	750 EAST FERRY	07/12/22 14:30	07/12/22

Project Name:	750 EAST FERRY	**Lab Number:**	L2237078
Project Number:	SUB SURFACE INVESTIG	**Report Date:**	07/27/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	750 EAST FERRY	**Lab Number:**	L2237078
Project Number:	SUB SURFACE INVESTIG	**Report Date:**	07/27/22

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L2237078-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1664929-3 MS recoveries for aluminum (588%), copper (0%), iron (0%) and manganese (45%) performed on L2237078-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1664929-3 MS recoveries, performed on L2237078-01, are outside the acceptance criteria for arsenic (73%), barium (72%), chromium (17%), cobalt (70%), lead (0%), magnesium (146%), nickel (0%) and zinc (56%). A post digestion spike was performed and was within acceptance criteria.

The WG1664929-3 MS recovery, performed on L2237078-01, is outside the acceptance criteria for calcium (12%). A post digestion spike was performed and yielded an unacceptable recovery for calcium (72%). The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1664929-4 Laboratory Duplicate RPDs for chromium (42%), copper (56%), lead (72%) and nickel (103%), performed on L2237078-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1664929-6 serial dilution analysis, associated with L2237078-01, had a %D above the acceptance criteria for aluminum (24%), barium (23%), calcium (25%), iron (33%) and manganese (25%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich Caitlin Walukevich

Title: Technical Director/Representative Date: 07/27/22

ORGANICS

SEMIVOLATILES

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-01
Client ID: MW-BCP-02A-4 TO 6-07122022
Sample Location: 750 EAST FERRY

Date Collected: 07/12/22 10:50
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 06:32
Analyst: SZ
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	53	J	ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	57.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	950		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	47	J	ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	74.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	73.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	500		ug/kg	130	24.	1
Benzo(a)pyrene	470		ug/kg	170	52.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-01 Date Collected: 07/12/22 10:50

Client ID: MW-BCP-02A-4 TO 6-07122022 Date Received: 07/12/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	620		ug/kg	130	36.	1
Benzo(k)fluoranthene	200		ug/kg	130	34.	1
Chrysene	510		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	160		ug/kg	130	42.	1
Benzo(ghi)perylene	350		ug/kg	170	25.	1
Fluorene	65	J	ug/kg	220	21.	1
Phenanthrene	680		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	90	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	390		ug/kg	170	30.	1
Pyrene	780		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	28.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	89.	1
Dibenzofuran	40	J	ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	22.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	460	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	220	32.	1
2-Methylphenol	ND		ug/kg	220	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	41.	1
Carbazole	100	J	ug/kg	220	21.	1
Atrazine	ND		ug/kg	170	75.	1
Benzaldehyde	ND		ug/kg	280	58.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-01 Date Collected: 07/12/22 10:50

Client ID: MW-BCP-02A-4 TO 6-07122022 Date Received: 07/12/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	66.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		25-120
Phenol-d6	32		10-120
Nitrobenzene-d5	31		23-120
2-Fluorobiphenyl	33		30-120
2,4,6-Tribromophenol	36		10-136
4-Terphenyl-d14	30		18-120

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-03
Client ID: MW-BCP-03A-2 TO 4-07122022
Sample Location: 750 EAST FERRY

Date Collected: 07/12/22 14:15
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 07:43
Analyst: SZ
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	330		ug/kg	160	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	5500		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	220		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	4500		ug/kg	120	22.	1
Benzo(a)pyrene	5000		ug/kg	160	47.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-03 Date Collected: 07/12/22 14:15

Client ID: MW-BCP-03A-2 TO 4-07122022 Date Received: 07/12/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	11000	E	ug/kg	120	33.	1
Benzo(k)fluoranthene	2300		ug/kg	120	31.	1
Chrysene	6500		ug/kg	120	20.	1
Acenaphthylene	57	J	ug/kg	160	30.	1
Anthracene	650		ug/kg	120	38.	1
Benzo(ghi)perylene	5700		ug/kg	160	23.	1
Fluorene	330		ug/kg	190	19.	1
Phenanthrene	3200		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	1900		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	6200		ug/kg	160	27.	1
Pyrene	4500		ug/kg	120	19.	1
Biphenyl	42	J	ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	220		ug/kg	190	18.	1
2-Methylnaphthalene	140	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	450		ug/kg	190	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	52.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-03 Date Collected: 07/12/22 14:15

Client ID: MW-BCP-03A-2 TO 4-07122022 Date Received: 07/12/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	84	J	ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	58		18-120

Project Name: 750 EAST FERRY
Lab Number: L2237078
Project Number: SUB SURFACE INVESTI(
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-03 D
Client ID: MW-BCP-03A-2 TO 4-07122022
Sample Location: 750 EAST FERRY

Date Collected: 07/12/22 14:15
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/26/22 15:38
Analyst: JG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	13000		ug/kg	580	160	5

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-04
Client ID: MW-BCP-03A-12 TO 14-07122022
Sample Location: 750 EAST FERRY

Date Collected: 07/12/22 14:30
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 07/21/22 04:57
Analyst: SZ
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	200		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	440		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	61	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	280		ug/kg	130	24.	1
Benzo(a)pyrene	300		ug/kg	170	51.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-04 Date Collected: 07/12/22 14:30

Client ID: MW-BCP-03A-12 TO 14-07122022 Date Received: 07/12/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	570		ug/kg	130	35.	1
Benzo(k)fluoranthene	140		ug/kg	130	34.	1
Chrysene	400		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	310		ug/kg	130	41.	1
Benzo(ghi)perylene	220		ug/kg	170	25.	1
Fluorene	420		ug/kg	210	20.	1
Phenanthrene	550		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	76	J	ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	170	29.	1
Pyrene	590		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-04 Date Collected: 07/12/22 14:30

Client ID: MW-BCP-03A-12 TO 14-07122022 Date Received: 07/12/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	60		18-120

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1664944-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTIG **Report Date:** 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1664944-1					
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG
Lab Number: L2237078
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/20/22 22:06
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/19/22 19:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-04 Batch: WG1664944-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1664944-2 WG1664944-3								
Acenaphthene	72		72		31-137	0		50
Hexachlorobenzene	82		77		40-140	6		50
Bis(2-chloroethyl)ether	67		67		40-140	0		50
2-Chloronaphthalene	77		76		40-140	1		50
3,3'-Dichlorobenzidine	68		63		40-140	8		50
2,4-Dinitrotoluene	75		73		40-132	3		50
2,6-Dinitrotoluene	79		76		40-140	4		50
Fluoranthene	75		73		40-140	3		50
4-Chlorophenyl phenyl ether	77		75		40-140	3		50
4-Bromophenyl phenyl ether	78		75		40-140	4		50
Bis(2-chloroisopropyl)ether	53		52		40-140	2		50
Bis(2-chloroethoxy)methane	70		67		40-117	4		50
Hexachlorobutadiene	78		78		40-140	0		50
Hexachlorocyclopentadiene	86		86		40-140	0		50
Hexachloroethane	68		66		40-140	3		50
Isophorone	67		64		40-140	5		50
Naphthalene	74		75		40-140	1		50
Nitrobenzene	69		67		40-140	3		50
NDPA/DPA	76		75		36-157	1		50
n-Nitrosodi-n-propylamine	66		63		32-121	5		50
Bis(2-ethylhexyl)phthalate	74		70		40-140	6		50
Butyl benzyl phthalate	71		68		40-140	4		50
Di-n-butylphthalate	74		70		40-140	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078

Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1664944-2 WG1664944-3								
Di-n-octylphthalate	71		67		40-140	6		50
Diethyl phthalate	74		72		40-140	3		50
Dimethyl phthalate	78		74		40-140	5		50
Benzo(a)anthracene	73		72		40-140	1		50
Benzo(a)pyrene	78		77		40-140	1		50
Benzo(b)fluoranthene	76		76		40-140	0		50
Benzo(k)fluoranthene	78		75		40-140	4		50
Chrysene	76		74		40-140	3		50
Acenaphthylene	78		75		40-140	4		50
Anthracene	75		73		40-140	3		50
Benzo(ghi)perylene	75		75		40-140	0		50
Fluorene	77		75		40-140	3		50
Phenanthrene	74		73		40-140	1		50
Dibenzo(a,h)anthracene	74		74		40-140	0		50
Indeno(1,2,3-cd)pyrene	79		78		40-140	1		50
Pyrene	74		73		35-142	1		50
Biphenyl	75		73		37-127	3		50
4-Chloroaniline	56		53		40-140	6		50
2-Nitroaniline	77		74		47-134	4		50
3-Nitroaniline	66		65		26-129	2		50
4-Nitroaniline	74		72		41-125	3		50
Dibenzofuran	77		75		40-140	3		50
2-Methylnaphthalene	78		77		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1664944-2 WG1664944-3								
1,2,4,5-Tetrachlorobenzene	77		76		40-117	1		50
Acetophenone	70		68		14-144	3		50
2,4,6-Trichlorophenol	82		80		30-130	2		50
p-Chloro-m-cresol	82		78		26-103	5		50
2-Chlorophenol	75		76		25-102	1		50
2,4-Dichlorophenol	82		77		30-130	6		50
2,4-Dimethylphenol	78		73		30-130	7		50
2-Nitrophenol	74		71		30-130	4		50
4-Nitrophenol	74		73		11-114	1		50
2,4-Dinitrophenol	74		75		4-130	1		50
4,6-Dinitro-o-cresol	80		77		10-130	4		50
Pentachlorophenol	83		78		17-109	6		50
Phenol	75		73		26-90	3		50
2-Methylphenol	82		78		30-130.	5		50
3-Methylphenol/4-Methylphenol	77		73		30-130	5		50
2,4,5-Trichlorophenol	83		81		30-130	2		50
Carbazole	75		74		54-128	1		50
Atrazine	77		74		40-140	4		50
Benzaldehyde	88		89		40-140	1		50
Caprolactam	63		62		15-130	2		50
2,3,4,6-Tetrachlorophenol	84		83		40-140	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078

Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-04 Batch: WG1664944-2 WG1664944-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		77		25-120
Phenol-d6	77		75		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	79		76		30-120
2,4,6-Tribromophenol	87		84		10-136
4-Terphenyl-d14	76		72		18-120

METALS

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG
Lab Number: L2237078
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-01
Client ID: MW-BCP-02A-4 TO 6-07122022
Sample Location: 750 EAST FERRY
Date Collected: 07/12/22 10:50
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10400		mg/kg	10.2	2.75	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Antimony, Total	2.67	J	mg/kg	5.10	0.387	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Arsenic, Total	6.36		mg/kg	1.02	0.212	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Barium, Total	105		mg/kg	1.02	0.177	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Beryllium, Total	0.599		mg/kg	0.510	0.034	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Cadmium, Total	0.565	J	mg/kg	1.02	0.100	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Calcium, Total	2960		mg/kg	10.2	3.57	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Chromium, Total	38.0		mg/kg	1.02	0.098	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Cobalt, Total	9.19		mg/kg	2.04	0.169	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Copper, Total	125		mg/kg	1.02	0.263	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Iron, Total	26100		mg/kg	5.10	0.921	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Lead, Total	109		mg/kg	5.10	0.273	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Magnesium, Total	3370		mg/kg	10.2	1.57	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Manganese, Total	312		mg/kg	1.02	0.162	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.087	0.057	1	07/20/22 00:06	07/26/22 19:48	EPA 7471B	1,7471B	DMB
Nickel, Total	133		mg/kg	2.55	0.247	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Potassium, Total	1100		mg/kg	255	14.7	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Selenium, Total	0.317	J	mg/kg	2.04	0.263	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	1.02	0.288	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Sodium, Total	79.5	J	mg/kg	204	3.21	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	2.04	0.321	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Vanadium, Total	23.6		mg/kg	1.02	0.207	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF
Zinc, Total	84.4		mg/kg	5.10	0.299	2	07/19/22 22:38	07/25/22 13:14	EPA 3050B	1,6010D	JF

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG
Lab Number: L2237078
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-02
Client ID: MW-BCP-02A-14 TO 15-07122022
Sample Location: 750 EAST FERRY
Date Collected: 07/12/22 10:55
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3670		mg/kg	8.41	2.27	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.20	0.319	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Arsenic, Total	2.73		mg/kg	0.841	0.175	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Barium, Total	33.4		mg/kg	0.841	0.146	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Beryllium, Total	0.179	J	mg/kg	0.420	0.028	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Cadmium, Total	0.211	J	mg/kg	0.841	0.082	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Calcium, Total	70100		mg/kg	8.41	2.94	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Chromium, Total	6.42		mg/kg	0.841	0.081	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Cobalt, Total	3.45		mg/kg	1.68	0.140	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Copper, Total	11.7		mg/kg	0.841	0.217	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Iron, Total	8840		mg/kg	4.20	0.759	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Lead, Total	10.1		mg/kg	4.20	0.225	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Magnesium, Total	30300		mg/kg	8.41	1.29	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Manganese, Total	282		mg/kg	0.841	0.134	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.075	0.049	1	07/20/22 00:06	07/26/22 20:08	EPA 7471B	1,7471B	DMB
Nickel, Total	7.27		mg/kg	2.10	0.203	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Potassium, Total	642		mg/kg	210	12.1	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.68	0.217	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.841	0.238	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Sodium, Total	126	J	mg/kg	168	2.65	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.68	0.265	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Vanadium, Total	11.0		mg/kg	0.841	0.171	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF
Zinc, Total	44.4		mg/kg	4.20	0.246	2	07/19/22 22:38	07/25/22 15:36	EPA 3050B	1,6010D	JF

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTIG **Report Date:** 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-03 Date Collected: 07/12/22 14:15

Client ID: MW-BCP-03A-2 TO 4-07122022 Date Received: 07/12/22

Sample Location: 750 EAST FERRY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5510		mg/kg	9.25	2.50	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Antimony, Total	2.36	J	mg/kg	4.62	0.352	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Arsenic, Total	10.1		mg/kg	0.925	0.192	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Barium, Total	93.5		mg/kg	0.925	0.161	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Beryllium, Total	0.292	J	mg/kg	0.462	0.031	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Cadmium, Total	0.869	J	mg/kg	0.925	0.091	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Calcium, Total	9480		mg/kg	9.25	3.24	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Chromium, Total	29.0		mg/kg	0.925	0.089	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Cobalt, Total	5.09		mg/kg	1.85	0.154	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Copper, Total	97.6		mg/kg	0.925	0.239	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Iron, Total	26900		mg/kg	4.62	0.835	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Lead, Total	240		mg/kg	4.62	0.248	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Magnesium, Total	2060		mg/kg	9.25	1.42	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Manganese, Total	593		mg/kg	0.925	0.147	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Mercury, Total	0.406		mg/kg	0.099	0.065	1	07/20/22 00:06	07/26/22 20:11	EPA 7471B	1,7471B	DMB
Nickel, Total	41.2		mg/kg	2.31	0.224	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Potassium, Total	452		mg/kg	231	13.3	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.85	0.239	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Silver, Total	0.384	J	mg/kg	0.925	0.262	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Sodium, Total	95.5	J	mg/kg	185	2.91	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.85	0.291	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Vanadium, Total	20.2		mg/kg	0.925	0.188	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF
Zinc, Total	236		mg/kg	4.62	0.271	2	07/19/22 22:38	07/25/22 15:40	EPA 3050B	1,6010D	JF

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG
Lab Number: L2237078
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-04
Client ID: MW-BCP-03A-12 TO 14-07122022
Sample Location: 750 EAST FERRY
Date Collected: 07/12/22 14:30
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8920		mg/kg	9.78	2.64	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Antimony, Total	ND		mg/kg	4.89	0.372	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Arsenic, Total	6.06		mg/kg	0.978	0.203	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Barium, Total	123		mg/kg	0.978	0.170	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Beryllium, Total	0.491		mg/kg	0.489	0.032	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Cadmium, Total	0.541	J	mg/kg	0.978	0.096	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Calcium, Total	29200		mg/kg	9.78	3.42	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Chromium, Total	14.3		mg/kg	0.978	0.094	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Cobalt, Total	6.33		mg/kg	1.96	0.162	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Copper, Total	37.6		mg/kg	0.978	0.252	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Iron, Total	18600		mg/kg	4.89	0.883	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Lead, Total	226		mg/kg	4.89	0.262	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Magnesium, Total	9490		mg/kg	9.78	1.51	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Manganese, Total	384		mg/kg	0.978	0.156	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Mercury, Total	0.396		mg/kg	0.093	0.060	1	07/20/22 00:06	07/26/22 20:14	EPA 7471B	1,7471B	DMB
Nickel, Total	21.0		mg/kg	2.44	0.237	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Potassium, Total	900		mg/kg	244	14.1	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.96	0.252	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Silver, Total	0.301	J	mg/kg	0.978	0.277	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Sodium, Total	108	J	mg/kg	196	3.08	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.96	0.308	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Vanadium, Total	21.4		mg/kg	0.978	0.198	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF
Zinc, Total	142		mg/kg	4.89	0.287	2	07/19/22 22:38	07/25/22 15:43	EPA 3050B	1,6010D	JF

Project Name: 750 EAST FERRY **Lab Number:** L2237078

Project Number: SUB SURFACE INVESTI(**Report Date:** 07/27/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1664929-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Barium, Total	ND		mg/kg	0.400	0.070	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Copper, Total	ND		mg/kg	0.400	0.103	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Iron, Total	ND		mg/kg	2.00	0.361	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Lead, Total	ND		mg/kg	2.00	0.107	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Potassium, Total	ND		mg/kg	100	5.76	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Silver, Total	ND		mg/kg	0.400	0.113	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Sodium, Total	1.26	J	mg/kg	80.0	1.26	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/19/22 22:38	07/25/22 12:58	1,6010D	JF

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1664930-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/20/22 00:06	07/26/22 19:41	1,7471B	DMB

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTI(
Lab Number: L2237078
Report Date: 07/27/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078

Report Date: 07/27/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1664929-2 SRM Lot Number: D113-540								
Aluminum, Total	81		-		51-149	-		
Antimony, Total	144		-		20-250	-		
Arsenic, Total	95		-		70-130	-		
Barium, Total	92		-		75-125	-		
Beryllium, Total	99		-		75-125	-		
Cadmium, Total	92		-		75-125	-		
Calcium, Total	91		-		73-128	-		
Chromium, Total	96		-		70-130	-		
Cobalt, Total	93		-		75-125	-		
Copper, Total	95		-		75-125	-		
Iron, Total	96		-		36-164	-		
Lead, Total	93		-		72-128	-		
Magnesium, Total	90		-		63-138	-		
Manganese, Total	92		-		77-123	-		
Nickel, Total	95		-		70-130	-		
Potassium, Total	85		-		59-141	-		
Selenium, Total	95		-		66-134	-		
Silver, Total	91		-		70-131	-		
Sodium, Total	98		-		35-164	-		
Thallium, Total	93		-		70-130	-		
Vanadium, Total	94		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 750 EAST FERRY

Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078

Report Date: 07/27/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1664929-2 SRM Lot Number: D113-540					
Zinc, Total	91	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1664930-2 SRM Lot Number: D113-540					
Mercury, Total	88	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1664929-3 QC Sample: L2237078-01 Client ID: MW-BCP-02A-4 TO 6-07122022												
Aluminum, Total	10400	204	11600	**588**	Q	-	-		75-125	-		20
Antimony, Total	2.67J	51	39.5	77		-	-		75-125	-		20
Arsenic, Total	6.36	12.2	15.3	**73**	Q	-	-		75-125	-		20
Barium, Total	105	204	252	**72**	Q	-	-		75-125	-		20
Beryllium, Total	0.599	5.1	4.52	77		-	-		75-125	-		20
Cadmium, Total	0.565J	5.4	4.54	84		-	-		75-125	-		20
Calcium, Total	2960	1020	3080	**12**	Q	-	-		75-125	-		20
Chromium, Total	38.0	20.4	41.5	**17**	Q	-	-		75-125	-		20
Cobalt, Total	9.19	51	45.1	**70**	Q	-	-		75-125	-		20
Copper, Total	125	25.5	109	**0**	Q	-	-		75-125	-		20
Iron, Total	26100	102	24300	**0**	Q	-	-		75-125	-		20
Lead, Total	109	54	101	**0**	Q	-	-		75-125	-		20
Magnesium, Total	3370	1020	4860	**146**	Q	-	-		75-125	-		20
Manganese, Total	312	51	335	**45**	Q	-	-		75-125	-		20
Nickel, Total	133	51	78.4	**0**	Q	-	-		75-125	-		20
Potassium, Total	1100	1020	2210	109		-	-		75-125	-		20
Selenium, Total	0.317J	12.2	9.15	75		-	-		75-125	-		20
Silver, Total	ND	30.6	24.7	81		-	-		75-125	-		20
Sodium, Total	79.5J	1020	862	84		-	-		75-125	-		20
Thallium, Total	ND	12.2	9.16	75		-	-		75-125	-		20
Vanadium, Total	23.6	51	63.2	78		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 07122022 QC Batch ID: WG1664929-3 QC Sample: L2237078-01 Client ID: MW-BCP-02A-4 TO 6-										
Zinc, Total	84.4	51	113	**56**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 07122022 QC Batch ID: WG1664930-3 QC Sample: L2237078-01 Client ID: MW-BCP-02A-4 TO 6-										
Mercury, Total	ND	1.86	1.87	100		-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1664929-4 QC Sample: L2237078-01 Client ID: MW-BCP-02A-4 TO 6-07122022						
Aluminum, Total	10400	11100	mg/kg	7		20
Antimony, Total	2.67J	1.74J	mg/kg	NC		20
Arsenic, Total	6.36	5.56	mg/kg	13		20
Barium, Total	105	99.5	mg/kg	5		20
Beryllium, Total	0.599	0.615	mg/kg	3		20
Cadmium, Total	0.565J	0.541J	mg/kg	NC		20
Calcium, Total	2960	2620	mg/kg	12		20
Chromium, Total	38.0	24.9	mg/kg	**42**	Q	20
Cobalt, Total	9.19	9.06	mg/kg	1		20
Copper, Total	125	70.2	mg/kg	**56**	Q	20
Iron, Total	26100	23000	mg/kg	13		20
Lead, Total	109	51.5	mg/kg	**72**	Q	20
Magnesium, Total	3370	4000	mg/kg	17		20
Manganese, Total	312	362	mg/kg	15		20
Nickel, Total	133	42.5	mg/kg	**103**	Q	20
Potassium, Total	1100	1240	mg/kg	12		20
Selenium, Total	0.317J	ND	mg/kg	NC		20
Silver, Total	ND	0.362J	mg/kg	NC		20
Sodium, Total	79.5J	58.6J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1664929-4 QC Sample: L2237078-01 Client ID: MW-BCP-02A-4 TO 6-07122022					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	23.6	22.5	mg/kg	5	20
Zinc, Total	84.4	70.6	mg/kg	18	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1664930-4 QC Sample: L2237078-01 Client ID: MW-BCP-02A-4 TO 6-07122022					
Mercury, Total	ND	0.058J	mg/kg	NC	20

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INV

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2237078
Report Date: 07/27/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1664929-6 QC Sample: L2237078-01 Client ID: MW-BCP-02A-4 TO 6-07122022						
Aluminum, Total	10400	12900	mg/kg	**24**	Q	20
Barium, Total	105	129	mg/kg	**23**	Q	20
Calcium, Total	2960	3700	mg/kg	**25**	Q	20
Chromium, Total	38.0	44.7	mg/kg	18		20
Copper, Total	125	146	mg/kg	17		20
Iron, Total	26100	34600	mg/kg	**33**	Q	20
Magnesium, Total	3370	3940	mg/kg	17		20
Manganese, Total	312	391	mg/kg	**25**	Q	20
Nickel, Total	133	156	mg/kg	17		20

INORGANICS
&
MISCELLANEOUS

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-01
Client ID: MW-BCP-02A-4 TO 6-07122022
Sample Location: 750 EAST FERRY

Date Collected: 07/12/22 10:50
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	07/13/22 19:07	121,2540G	MF

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-02
Client ID: MW-BCP-02A-14 TO 15-07122022
Sample Location: 750 EAST FERRY

Date Collected: 07/12/22 10:55
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	07/13/22 19:07	121,2540G	MF

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-03
Client ID: MW-BCP-03A-2 TO 4-07122022
Sample Location: 750 EAST FERRY

Date Collected: 07/12/22 14:15
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	07/13/22 19:07	121,2540G	MF

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

SAMPLE RESULTS

Lab ID: L2237078-04
Client ID: MW-BCP-03A-12 TO 14-07122022
Sample Location: 750 EAST FERRY

Date Collected: 07/12/22 14:30
Date Received: 07/12/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.8		%	0.100	NA	1	-	07/13/22 19:07	121,2540G	MF

Lab Duplicate Analysis

Batch Quality Control

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1662516-1 QC Sample: L2237042-01 Client ID: DUP Sample						
Solids, Total	92.2	92.0	%	0		20

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2237078-01A	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2237078-01B	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2237078-01C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2237078-01D	Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2237078-01E	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2237078-02A	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2237078-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2237078-02C	Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2237078-03A	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2237078-03B	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2237078-03C	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2237078-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2237078-03E	Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2237078-03F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2237078-04A	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2237078-04B	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 750 EAST FERRY
Project Number: SUB SURFACE INVESTIG

Lab Number: L2237078
Report Date: 07/27/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2237078-04C	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L2237078-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2237078-04E	Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)
L2237078-04F	Glass 120ml/4oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Project Name:	750 EAST FERRY	**Lab Number:**	L2237078
Project Number:	SUB SURFACE INVESTIG	**Report Date:**	07/27/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 EAST FERRY	**Lab Number:**	L2237078
Project Number:	SUB SURFACE INVESTIG	**Report Date:**	07/27/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 EAST FERRY	**Lab Number:**	L2237078
Project Number:	SUB SURFACE INVESTIG	**Report Date:**	07/27/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	750 EAST FERRY	**Lab Number:**	L2237078
Project Number:	SUB SURFACE INVESTIG	**Report Date:**	07/27/22

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 7/13/22

ALPHA Job #: L2237078

Client Information
Client: INVENTUM ENG
Address: 441 CARLISLE DRIVE SUITE C HERNDON VA.
Phone: (216) 553-5129
Fax:
Email: Peter.Zaffarano@inventumeng.com

Project Information
Project Name: 750 East Ferry
Project Location: 750 East Ferry
Project #: Sub Surface Investigation
(Use Project name as Project #)
Project Manager: JOHN BLACK
ALPHAQuote #:

Turn-Around Time
Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☒ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

NYSDEC Cat B, NYSDEC EQUIS

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	6010C Total Metals	7470A Total Hg	8270C SVOCs	TS	Total Bottle
37078 01	MW-BCP-02A-4TO6-07122022	7/12/22	1050	Soil		X	X	X	X	
02	MW-BCP-02A-14TO15-07122022	7/12/22	1055	Soil		X	X		X	
03	MW-BCP-03A-2TO4-07122022	7/12/22	1415	Soil		X	X	X	X	
04	MW-BCP-03A-12TO14-07122022	7/12/22	1430	Soil		X	X	X	X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	G	G	P					
Preservative	A	A	A					

Relinquished By:	Date/Time	Received By:	Date/Time
	7/12/22 1605		7/12/22 1605
	7/12/22 1605		7/13/22 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2247730
Client:	Inventum Engineering 441 Carlisle Drive Suite C Herndon, NY 20170
ATTN:	John Black
Phone:	(571) 752-6562
Project Name:	BUFFALO FOUNDRY & MACHINE SHOP
Project Number:	WELL SAMPLING
Report Date:	09/21/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Project Number: WELL SAMPLING

Lab Number: L2247730
Report Date: 09/21/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2247730-01	MW-BCP-11A	WATER	750 E. FERRY	09/01/22 10:10	09/01/22
L2247730-02	MW-BCP-02A	WATER	750 E. FERRY	09/01/22 10:45	09/01/22
L2247730-03	MW-BCP-03A	WATER	750 E. FERRY	09/01/22 11:00	09/01/22
L2247730-04	MW-BCP-13A	WATER	750 E. FERRY	09/01/22 11:30	09/01/22
L2247730-05	TRIP BLANK	WATER	750 E. FERRY	09/01/22 00:00	09/01/22

Project Name:	BUFFALO FOUNDRY & MACHINE SHOP	**Lab Number:**	L2247730
Project Number:	WELL SAMPLING	**Report Date:**	09/21/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	BUFFALO FOUNDRY & MACHINE SHOP	**Lab Number:**	L2247730
Project Number:	WELL SAMPLING	**Report Date:**	09/21/22

Case Narrative (continued)

Report Submission

September 21, 2022: This final report includes the results of all requested analyses.

September 19, 2022: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2247730-03D: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

L2247730-03D: The sample has elevated detection limits due to the dilution required by the sample matrix (sheen).

Total Metals

L2247730-03: The sample has elevated detection limits for all elements due to the prep dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/21/22

ORGANICS

VOLATILES

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-01
Client ID: MW-BCP-11A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:10
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/12/22 13:05
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-01 Date Collected: 09/01/22 10:10

Client ID: MW-BCP-11A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.42	J	ug/l	10	0.40	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-01
Client ID: MW-BCP-11A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:10
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-02
Client ID: MW-BCP-02A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:45
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/12/22 13:28
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-02 Date Collected: 09/01/22 10:45

Client ID: MW-BCP-02A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-02
Client ID: MW-BCP-02A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:45
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	109		70-130

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03 D
Client ID: MW-BCP-03A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:00
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/12/22 13:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03 D
Client ID: MW-BCP-03A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:00
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	3.1	J	ug/l	5.0	1.4	2
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03 D
Client ID: MW-BCP-03A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:00
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-04
Client ID: MW-BCP-13A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:30
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/12/22 14:15
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-04 Date Collected: 09/01/22 11:30

Client ID: MW-BCP-13A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-04 Date Collected: 09/01/22 11:30

Client ID: MW-BCP-13A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/22 08:28
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1686832-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/22 08:28
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1686832-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/12/22 08:28
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1686832-5					
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

Project Number: WELL SAMPLING

Lab Number: L2247730

Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1686832-3 WG1686832-4								
Methylene chloride	97		95		70-130	2		20
1,1-Dichloroethane	98		96		70-130	2		20
Chloroform	97		98		70-130	1		20
Carbon tetrachloride	98		98		63-132	0		20
1,2-Dichloropropane	96		98		70-130	2		20
Dibromochloromethane	91		100		63-130	9		20
1,1,2-Trichloroethane	91		95		70-130	4		20
Tetrachloroethene	99		97		70-130	2		20
Chlorobenzene	96		96		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	92		96		70-130	4		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	95		97		67-130	2		20
trans-1,3-Dichloropropene	96		96		70-130	0		20
cis-1,3-Dichloropropene	94		96		70-130	2		20
Bromoform	80		86		54-136	7		20
1,1,2,2-Tetrachloroethane	80		88		67-130	10		20
Benzene	98		97		70-130	1		20
Toluene	97		96		70-130	1		20
Ethylbenzene	95		94		70-130	1		20
Chloromethane	90		87		64-130	3		20
Bromomethane	100		100		39-139	0		20
Vinyl chloride	100		97		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

Project Number: WELL SAMPLING

Lab Number: L2247730

Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1686832-3 WG1686832-4								
Chloroethane	**140**	Q	**140**	Q	55-138	0		20
1,1-Dichloroethene	96		94		61-145	2		20
trans-1,2-Dichloroethene	100		97		70-130	3		20
Trichloroethene	93		92		70-130	1		20
1,2-Dichlorobenzene	89		92		70-130	3		20
1,3-Dichlorobenzene	91		95		70-130	4		20
1,4-Dichlorobenzene	90		91		70-130	1		20
Methyl tert butyl ether	81		87		63-130	7		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	98		98		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	66		63		36-147	5		20
Acetone	76		80		58-148	5		20
Carbon disulfide	97		93		51-130	4		20
2-Butanone	82		85		63-138	4		20
4-Methyl-2-pentanone	80		83		59-130	4		20
2-Hexanone	71		74		57-130	4		20
Bromochloromethane	99		100		70-130	1		20
1,2-Dibromoethane	91		95		70-130	4		20
n-Butylbenzene	93		93		53-136	0		20
sec-Butylbenzene	94		95		70-130	1		20
tert-Butylbenzene	91		93		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Project Number: WELL SAMPLING

Lab Number: L2247730
Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1686832-3 WG1686832-4								
1,2-Dibromo-3-chloropropane	74		86		41-144	15		20
Isopropylbenzene	92		94		70-130	2		20
p-Isopropyltoluene	93		93		70-130	0		20
Naphthalene	76		84		70-130	10		20
n-Propylbenzene	93		96		69-130	3		20
1,2,3-Trichlorobenzene	83		92		70-130	10		20
1,2,4-Trichlorobenzene	85		93		70-130	9		20
1,3,5-Trimethylbenzene	92		92		64-130	0		20
1,2,4-Trimethylbenzene	90		91		70-130	1		20
Methyl Acetate	78		82		70-130	5		20
Cyclohexane	95		93		70-130	2		20
1,4-Dioxane	122		128		56-162	5		20
Freon-113	98		97		70-130	1		20
Methyl cyclohexane	92		92		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	104		104		70-130

SEMIVOLATILES

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-01
Client ID: MW-BCP-11A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:10
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/08/22 07:30
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.7	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-01 Date Collected: 09/01/22 10:10

Client ID: MW-BCP-11A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	63		41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-01
Client ID: MW-BCP-11A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:10
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/08/22 16:03
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.13		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	4.1		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.07	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	9.4		ug/l	0.10	0.02	1
Benzo(a)pyrene	9.2		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	13		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	4.5		ug/l	0.10	0.01	1
Chrysene	8.2		ug/l	0.10	0.01	1
Acenaphthylene	0.35		ug/l	0.10	0.01	1
Anthracene	0.32		ug/l	0.10	0.01	1
Benzo(ghi)perylene	6.4		ug/l	0.10	0.01	1
Fluorene	0.17		ug/l	0.10	0.01	1
Phenanthrene	0.42		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	1.7		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	7.8		ug/l	0.10	0.01	1
Pyrene	3.9		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-01
Client ID: MW-BCP-11A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:10
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	65		41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-02
Client ID: MW-BCP-02A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:45
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/08/22 06:23
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	3.1		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-02
Client ID: MW-BCP-02A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:45
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	84		41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-02
Client ID: MW-BCP-02A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:45
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/08/22 16:19
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.07	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.55		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.33		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.34		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.57		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.23		ug/l	0.10	0.01	1
Chrysene	0.42		ug/l	0.10	0.01	1
Acenaphthylene	0.04	J	ug/l	0.10	0.01	1
Anthracene	0.10		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.36		ug/l	0.10	0.01	1
Fluorene	0.10	J	ug/l	0.10	0.01	1
Phenanthrene	0.36		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.16		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.38		ug/l	0.10	0.01	1
Pyrene	0.48		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-02
Client ID: MW-BCP-02A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 10:45
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	92		41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03
Client ID: MW-BCP-03A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:00
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/08/22 08:15
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	5.9		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03
Client ID: MW-BCP-03A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:00
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	**127**	Q	23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	56		41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03
Client ID: MW-BCP-03A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:00
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/08/22 16:36
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	40		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	6.0		ug/l	0.10	0.05	1
Benzo(a)anthracene	24		ug/l	0.10	0.02	1
Benzo(a)pyrene	18		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	43		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	12		ug/l	0.10	0.01	1
Chrysene	31		ug/l	0.10	0.01	1
Acenaphthylene	7.7		ug/l	0.10	0.01	1
Anthracene	24		ug/l	0.10	0.01	1
Benzo(ghi)perylene	21		ug/l	0.10	0.01	1
Fluorene	24		ug/l	0.10	0.01	1
Phenanthrene	78	E	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	6.5		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	22		ug/l	0.10	0.01	1
Pyrene	56		ug/l	0.10	0.02	1
2-Methylnaphthalene	5.4		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03 Date Collected: 09/01/22 11:00

Client ID: MW-BCP-03A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	**40**	Q	41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Lab Number: L2247730
Project Number: WELL SAMPLING
Report Date: 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03 D
Client ID: MW-BCP-03A
Sample Location: 750 E. FERRY

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/15/22 11:42
Analyst: DV

Date Collected: 09/01/22 11:00
Date Received: 09/01/22
Field Prep: Not Specified

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Phenanthrene	80		ug/l	0.20	0.05	2

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-04
Client ID: MW-BCP-13A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:30
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/08/22 06:45
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	3.1		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	0.42	J	ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-04
Client ID: MW-BCP-13A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:30
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	88		41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-04
Client ID: MW-BCP-13A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:30
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/08/22 16:52
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.24		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	6.0		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.18		ug/l	0.10	0.05	1
Benzo(a)anthracene	5.1		ug/l	0.10	0.02	1
Benzo(a)pyrene	5.9		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	10		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	3.0		ug/l	0.10	0.01	1
Chrysene	6.6		ug/l	0.10	0.01	1
Acenaphthylene	0.05	J	ug/l	0.10	0.01	1
Anthracene	0.38		ug/l	0.10	0.01	1
Benzo(ghi)perylene	5.6		ug/l	0.10	0.01	1
Fluorene	0.15		ug/l	0.10	0.01	1
Phenanthrene	2.2		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	1.6		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	6.0		ug/l	0.10	0.01	1
Pyrene	5.4		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.12		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-04
Client ID: MW-BCP-13A
Sample Location: 750 E. FERRY

Date Collected: 09/01/22 11:30
Date Received: 09/01/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	97		41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/08/22 00:45
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1684314-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/08/22 00:45
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1684314-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/08/22 00:45
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1684314-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	98		41-149

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/08/22 07:41
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 08:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1684315-1					
Acenaphthene	0.04	J	ug/l	0.10	0.01
2-Chloronaphthalene	0.11	J	ug/l	0.20	0.02
Fluoranthene	0.02	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.05	J	ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	0.03	J	ug/l	0.10	0.01
Anthracene	0.04	J	ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	0.07	J	ug/l	0.10	0.01
Phenanthrene	0.06	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	0.02	J	ug/l	0.10	0.02
2-Methylnaphthalene	0.08	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	0.05	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Project Number: WELL SAMPLING
Lab Number: L2247730
Report Date: 09/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/08/22 07:41
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 09/07/22 08:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04 Batch: WG1684315-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	107		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

Project Number: WELL SAMPLING

Lab Number: L2247730

Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1684314-2 WG1684314-3								
Acenaphthene	62		66		37-111	6		30
1,2,4-Trichlorobenzene	57		61		39-98	7		30
Hexachlorobenzene	62		65		40-140	5		30
Bis(2-chloroethyl)ether	58		62		40-140	7		30
2-Chloronaphthalene	58		62		40-140	7		30
1,2-Dichlorobenzene	54		58		40-140	7		30
1,3-Dichlorobenzene	55		56		40-140	2		30
1,4-Dichlorobenzene	56		58		36-97	4		30
3,3'-Dichlorobenzidine	57		64		40-140	12		30
2,4-Dinitrotoluene	61		66		48-143	8		30
2,6-Dinitrotoluene	57		62		40-140	8		30
Fluoranthene	64		69		40-140	8		30
4-Chlorophenyl phenyl ether	68		69		40-140	1		30
4-Bromophenyl phenyl ether	68		69		40-140	1		30
Bis(2-chloroisopropyl)ether	58		62		40-140	7		30
Bis(2-chloroethoxy)methane	59		62		40-140	5		30
Hexachlorobutadiene	58		58		40-140	0		30
Hexachlorocyclopentadiene	60		62		40-140	3		30
Hexachloroethane	56		55		40-140	2		30
Isophorone	54		59		40-140	9		30
Naphthalene	56		58		40-140	4		30
Nitrobenzene	57		59		40-140	3		30
NDPA/DPA	63		71		40-140	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

Project Number: WELL SAMPLING

Lab Number: L2247730

Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1684314-2 WG1684314-3								
n-Nitrosodi-n-propylamine	56		60		29-132	7		30
Bis(2-ethylhexyl)phthalate	78		81		40-140	4		30
Butyl benzyl phthalate	66		73		40-140	10		30
Di-n-butylphthalate	68		72		40-140	6		30
Di-n-octylphthalate	72		78		40-140	8		30
Diethyl phthalate	67		70		40-140	4		30
Dimethyl phthalate	62		64		40-140	3		30
Benzo(a)anthracene	72		75		40-140	4		30
Benzo(a)pyrene	70		76		40-140	8		30
Benzo(b)fluoranthene	71		74		40-140	4		30
Benzo(k)fluoranthene	71		75		40-140	5		30
Chrysene	69		73		40-140	6		30
Acenaphthylene	59		61		45-123	3		30
Anthracene	65		68		40-140	5		30
Benzo(ghi)perylene	67		69		40-140	3		30
Fluorene	64		68		40-140	6		30
Phenanthrene	63		66		40-140	5		30
Dibenzo(a,h)anthracene	68		73		40-140	7		30
Indeno(1,2,3-cd)pyrene	74		79		40-140	7		30
Pyrene	63		68		26-127	8		30
Biphenyl	63		65		40-140	3		30
4-Chloroaniline	56		68		40-140	19		30
2-Nitroaniline	54		60		52-143	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

Project Number: WELL SAMPLING

Lab Number: L2247730

Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1684314-2 WG1684314-3								
3-Nitroaniline	57		62		25-145	8		30
4-Nitroaniline	59		64		51-143	8		30
Dibenzofuran	63		65		40-140	3		30
2-Methylnaphthalene	60		64		40-140	6		30
1,2,4,5-Tetrachlorobenzene	64		65		2-134	2		30
Acetophenone	58		61		39-129	5		30
2,4,6-Trichlorophenol	60		66		30-130	10		30
p-Chloro-m-cresol	64		66		23-97	3		30
2-Chlorophenol	55		59		27-123	7		30
2,4-Dichlorophenol	62		64		30-130	3		30
2,4-Dimethylphenol	55		58		30-130	5		30
2-Nitrophenol	54		56		30-130	4		30
4-Nitrophenol	50		51		10-80	2		30
2,4-Dinitrophenol	67		66		20-130	2		30
4,6-Dinitro-o-cresol	60		61		20-164	2		30
Pentachlorophenol	63		68		9-103	8		30
Phenol	38		39		12-110	3		30
2-Methylphenol	57		58		30-130	2		30
3-Methylphenol/4-Methylphenol	54		56		30-130	4		30
2,4,5-Trichlorophenol	63		66		30-130	5		30
Benzoic Acid	57		56		10-164	2		30
Benzyl Alcohol	53		55		26-116	4		30
Carbazole	67		72		55-144	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

Project Number: WELL SAMPLING

Lab Number: L2247730

Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1684314-2 WG1684314-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	46		49		21-120
Phenol-d6	39		39		10-120
Nitrobenzene-d5	57		58		23-120
2-Fluorobiphenyl	60		62		15-120
2,4,6-Tribromophenol	61		67		10-120
4-Terphenyl-d14	67		71		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

Project Number: WELL SAMPLING

Lab Number: L2247730

Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1684315-2 WG1684315-3								
Acenaphthene	73		70		40-140	4		40
2-Chloronaphthalene	64		60		40-140	6		40
Fluoranthene	75		76		40-140	1		40
Hexachlorobutadiene	60		57		40-140	5		40
Naphthalene	63		60		40-140	5		40
Benzo(a)anthracene	76		78		40-140	3		40
Benzo(a)pyrene	67		65		40-140	3		40
Benzo(b)fluoranthene	76		75		40-140	1		40
Benzo(k)fluoranthene	81		80		40-140	1		40
Chrysene	82		80		40-140	2		40
Acenaphthylene	63		60		40-140	5		40
Anthracene	74		71		40-140	4		40
Benzo(ghi)perylene	80		76		40-140	5		40
Fluorene	74		73		40-140	1		40
Phenanthrene	73		69		40-140	6		40
Dibenzo(a,h)anthracene	84		80		40-140	5		40
Indeno(1,2,3-cd)pyrene	81		77		40-140	5		40
Pyrene	75		76		40-140	1		40
2-Methylnaphthalene	64		61		40-140	5		40
Pentachlorophenol	62		62		40-140	0		40
Hexachlorobenzene	85		73		40-140	15		40
Hexachloroethane	61		61		40-140	0		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Project Number: WELL SAMPLING

Lab Number: L2247730
Report Date: 09/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04 Batch: WG1684315-2 WG1684315-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		50		21-120
Phenol-d6	48		39		10-120
Nitrobenzene-d5	68		66		23-120
2-Fluorobiphenyl	66		63		15-120
2,4,6-Tribromophenol	96		92		10-120
4-Terphenyl-d14	76		76		41-149

METALS

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-01 Date Collected: 09/01/22 10:10

Client ID: MW-BCP-11A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	45.3		mg/l	0.0100	0.00327	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Arsenic, Total	0.01266		mg/l	0.00050	0.00016	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Barium, Total	0.8021		mg/l	0.00050	0.00017	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Beryllium, Total	0.00179		mg/l	0.00050	0.00010	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Cadmium, Total	0.00096		mg/l	0.00020	0.00005	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Calcium, Total	381.		mg/l	0.100	0.0394	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Chromium, Total	0.07152		mg/l	0.00100	0.00017	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Cobalt, Total	0.03891		mg/l	0.00050	0.00016	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Copper, Total	0.09992		mg/l	0.00100	0.00038	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Iron, Total	74.6		mg/l	0.0500	0.0191	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Lead, Total	0.2461		mg/l	0.00100	0.00034	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Magnesium, Total	137.		mg/l	0.0700	0.0242	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Manganese, Total	2.934		mg/l	0.00100	0.00044	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Mercury, Total	0.00035		mg/l	0.00020	0.00009	1	09/03/22 09:47	09/04/22 14:27	EPA 7470A	1,7470A	AW
Nickel, Total	0.08692		mg/l	0.00200	0.00055	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Potassium, Total	8.55		mg/l	0.100	0.0309	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Selenium, Total	0.00943		mg/l	0.00500	0.00173	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Silver, Total	0.00033	J	mg/l	0.00040	0.00016	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Sodium, Total	28.8		mg/l	0.100	0.0293	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Thallium, Total	0.00053	J	mg/l	0.00200	0.00014	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Vanadium, Total	0.08530		mg/l	0.00500	0.00157	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV
Zinc, Total	0.3706		mg/l	0.01000	0.00341	1	09/03/22 08:45	09/20/22 20:51	EPA 3005A	1,6020B	SV

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-02 Date Collected: 09/01/22 10:45

Client ID: MW-BCP-02A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8.57		mg/l	0.0100	0.00327	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Antimony, Total	0.00164	J	mg/l	0.00400	0.00042	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00658		mg/l	0.00050	0.00016	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Barium, Total	0.1612		mg/l	0.00050	0.00017	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Beryllium, Total	0.00030	J	mg/l	0.00050	0.00010	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Cadmium, Total	0.00017	J	mg/l	0.00020	0.00005	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Calcium, Total	98.3		mg/l	0.100	0.0394	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Chromium, Total	0.01912		mg/l	0.00100	0.00017	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Cobalt, Total	0.00458		mg/l	0.00050	0.00016	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Copper, Total	0.07297		mg/l	0.00100	0.00038	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Iron, Total	11.8		mg/l	0.0500	0.0191	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Lead, Total	0.04016		mg/l	0.00100	0.00034	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Magnesium, Total	114.		mg/l	0.0700	0.0242	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Manganese, Total	0.3310		mg/l	0.00100	0.00044	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	09/03/22 09:47	09/04/22 14:40	EPA 7470A	1,7470A	AW
Nickel, Total	0.02180		mg/l	0.00200	0.00055	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Potassium, Total	3.42		mg/l	0.100	0.0309	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Sodium, Total	9.64		mg/l	0.100	0.0293	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00200	0.00014	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Vanadium, Total	0.02176		mg/l	0.00500	0.00157	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV
Zinc, Total	0.06157		mg/l	0.01000	0.00341	1	09/03/22 08:45	09/20/22 20:56	EPA 3005A	1,6020B	SV

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-03 Date Collected: 09/01/22 11:00

Client ID: MW-BCP-03A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	112.		mg/l	0.0200	0.00654	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Antimony, Total	0.00248	J	mg/l	0.00800	0.00085	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Arsenic, Total	0.04628		mg/l	0.00100	0.00033	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Barium, Total	2.201		mg/l	0.00100	0.00034	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Beryllium, Total	0.00510		mg/l	0.00100	0.00021	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Cadmium, Total	0.01862		mg/l	0.00040	0.00011	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Calcium, Total	641.		mg/l	0.200	0.0788	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Chromium, Total	0.2265		mg/l	0.00200	0.00035	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Cobalt, Total	0.1040		mg/l	0.00100	0.00032	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Copper, Total	1.319		mg/l	0.00200	0.00076	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Iron, Total	244.		mg/l	0.100	0.0382	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Lead, Total	4.874		mg/l	0.00200	0.00068	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Magnesium, Total	152.		mg/l	0.140	0.0484	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Manganese, Total	7.104		mg/l	0.00200	0.00088	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Mercury, Total	0.04725		mg/l	0.00500	0.00228	1	09/03/22 09:47	09/04/22 14:43	EPA 7470A	1,7470A	AW
Nickel, Total	0.2707		mg/l	0.00400	0.00111	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Potassium, Total	19.1		mg/l	0.200	0.0618	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Selenium, Total	0.0243		mg/l	0.0100	0.00346	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Silver, Total	0.00469		mg/l	0.00080	0.00032	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Sodium, Total	36.9		mg/l	0.200	0.0586	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Thallium, Total	0.00240	J	mg/l	0.00400	0.00028	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Vanadium, Total	0.2754		mg/l	0.01000	0.00314	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV
Zinc, Total	7.142		mg/l	0.02000	0.00682	1	09/03/22 08:45	09/20/22 21:01	EPA 3005A	1,6020B	SV

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

SAMPLE RESULTS

Lab ID: L2247730-04 Date Collected: 09/01/22 11:30

Client ID: MW-BCP-13A Date Received: 09/01/22

Sample Location: 750 E. FERRY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.72		mg/l	0.0100	0.00327	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Antimony, Total	0.00043	J	mg/l	0.00400	0.00042	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00315		mg/l	0.00050	0.00016	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Barium, Total	0.1860		mg/l	0.00050	0.00017	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Beryllium, Total	0.00021	J	mg/l	0.00050	0.00010	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Calcium, Total	145.		mg/l	0.100	0.0394	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Chromium, Total	0.00401		mg/l	0.00100	0.00017	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Cobalt, Total	0.00163		mg/l	0.00050	0.00016	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Copper, Total	0.04010		mg/l	0.00100	0.00038	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Iron, Total	4.18		mg/l	0.0500	0.0191	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Lead, Total	0.03303		mg/l	0.00100	0.00034	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Magnesium, Total	128.		mg/l	0.0700	0.0242	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Manganese, Total	0.1751		mg/l	0.00100	0.00044	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Mercury, Total	0.00017	J	mg/l	0.00020	0.00009	1	09/03/22 09:47	09/04/22 14:46	EPA 7470A	1,7470A	AW
Nickel, Total	0.00748		mg/l	0.00200	0.00055	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Potassium, Total	9.81		mg/l	0.100	0.0309	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Sodium, Total	435.		mg/l	0.100	0.0293	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00200	0.00014	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Vanadium, Total	0.00675		mg/l	0.00500	0.00157	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV
Zinc, Total	0.01756		mg/l	0.01000	0.00341	1	09/03/22 08:45	09/20/22 21:05	EPA 3005A	1,6020B	SV

Project Name: BUFFALO FOUNDRY & MACHINE SHOP **Lab Number:** L2247730

Project Number: WELL SAMPLING **Report Date:** 09/21/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1683200-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Thallium, Total	ND		mg/l	0.00200	0.00014	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/03/22 08:45	09/20/22 21:33	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1683201-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/03/22 09:47	09/04/22 14:09	1,7470A	AW

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
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Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1683200-2								
Aluminum, Total	97		-		80-120	-		
Antimony, Total	85		-		80-120	-		
Arsenic, Total	100		-		80-120	-		
Barium, Total	91		-		80-120	-		
Beryllium, Total	119		-		80-120	-		
Cadmium, Total	98		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Cobalt, Total	94		-		80-120	-		
Copper, Total	94		-		80-120	-		
Iron, Total	105		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	98		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	94		-		80-120	-		
Potassium, Total	94		-		80-120	-		
Selenium, Total	96		-		80-120	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	98		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	95		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

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Lab Number: L2247730

Report Date: 09/21/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1683200-2					
Zinc, Total	91	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1683201-2					
Mercury, Total	95	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Project Number: WELL SAMPLING

Lab Number: L2247730
Report Date: 09/21/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1683200-3 QC Sample: L2247999-01 Client ID: MS Sample												
Aluminum, Total	0.066	2	2.08	101		-	-		75-125	-		20
Antimony, Total	0.0005J	0.5	0.3866	77		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.1193	99		-	-		75-125	-		20
Barium, Total	0.0081	2	1.849	92		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05175	104		-	-		75-125	-		20
Cadmium, Total	0.00023	0.053	0.05189	97		-	-		75-125	-		20
Calcium, Total	51.8	10	58.9	**71**	Q	-	-		75-125	-		20
Chromium, Total	0.0011	0.2	0.1908	95		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.4720	94		-	-		75-125	-		20
Copper, Total	0.0007J	0.25	0.2353	94		-	-		75-125	-		20
Iron, Total	0.117	1	1.17	105		-	-		75-125	-		20
Lead, Total	ND	0.53	0.5238	99		-	-		75-125	-		20
Magnesium, Total	18.1	10	27.9	98		-	-		75-125	-		20
Manganese, Total	0.00398	0.5	0.4992	99		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.4719	94		-	-		75-125	-		20
Potassium, Total	0.929	10	10.6	97		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.118	98		-	-		75-125	-		20
Silver, Total	ND	0.05	0.04967	99		-	-		75-125	-		20
Sodium, Total	2.52	10	12.5	100		-	-		75-125	-		20
Thallium, Total	0.0002J	0.12	0.1204	100		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4722	94		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Project Number: WELL SAMPLING

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Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1683200-3 QC Sample: L2247999-01 Client ID: MS Sample									
Zinc, Total	0.0040J	0.5	0.4548	91	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1683201-3 QC Sample: L2247730-01 Client ID: MW-BCP-11A									
Mercury, Total	0.00035	0.005	0.00498	92	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: BUFFALO FOUNDRY & MACHINE SHOP

Project Number: WELL SAMPLING

Lab Number: L2247730

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Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1683200-4 QC Sample: L2247999-01 Client ID: DUP Sample						
Cadmium, Total	0.00023	0.00022	mg/l	4		20
Iron, Total	0.117	0.129	mg/l	10		20
Lead, Total	ND	ND	mg/l	NC		20
Manganese, Total	0.00398	0.00378	mg/l	5		20
Potassium, Total	0.929	0.892	mg/l	4		20
Sodium, Total	2.52	2.44	mg/l	3		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1683201-4 QC Sample: L2247730-01 Client ID: MW-BCP-11A						
Mercury, Total	0.00035	0.00042	mg/l	18		20

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Project Number: WELL SAMPLING

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Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2247730-01A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-01B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-01C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-01D	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-6020T(180),CA-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2247730-01E	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2247730-01F	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2247730-02A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-02B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-02C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-02D	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		SE-6020T(180),FE-6020T(180),BA-6020T(180),TL-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2247730-02E	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2247730-02F	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2247730-03A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-03B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: BUFFALO FOUNDRY & MACHINE SHOP
Project Number: WELL SAMPLING

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2247730-03C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-03D	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2247730-03E	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2247730-03F	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2247730-04A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-04B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-04C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2247730-04D	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		BA-6020T(180),SE-6020T(180),TL-6020T(180),FE-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2247730-04E	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2247730-04F	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2247730-05A	Vial HCl preserved	A	NA		2.2	Y	Absent		HOLD-8260(14)
L2247730-05B	Vial HCl preserved	A	NA		2.2	Y	Absent		HOLD-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	BUFFALO FOUNDRY & MACHINE SHOP	**Lab Number:**	L2247730
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GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

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Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 9/2/22

ALPHA Job #: L2247730

Client Information

Client: INVENTUM ENG.
Address: 441 Carlisle Drive Suite C
Herndon VA
Phone: 716 553-5729
Fax:
Email: Peter.Zaffram@inventumeng.com

Project Information

Project Name: Buffalo Foundry & Machine Shop
Project Location: 750 E. Ferry
Project #: Well Sampling
(Use Project name as Project #)
Project Manager: JOHN BLACK
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[X] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[ ] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

NY DEC EQUIS.

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	EPA 8260 C	EPA 8270 D	EPA 6010/7470						Total Bottle
47730 01	MW-BCP-11A	9/1/22	1010	AQ		X	X	X						
02	MW-BCP-02A	9/1/22	1045	AQ		X	X	X						
03	MW-BCP-03A	9/1/22	1100	AQ		X	X	X						
04	MW-BCP-13A	9/1/22	1130	AQ		X	X	X						

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Sample Specific Comments

Container Type: V A P
Preservative: B A C

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	9/1/22 1610		9/1/22 1610
	9/1/22 1610		9/2/22 0020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)