

June 11, 2025

Ms. Veronica Kreutzer
Assistant Engineer
New York State Department of Environmental Conservation – Region 9
Division of Environmental Remediation
700 Delaware Avenue
Buffalo, New York 14209

**Re: Marine Drive Apartments East Site
Phase I – Parking Lot Area
Site No. C915398
Limited Confirmatory Site Sampling**

Dear Veronica:

C&S Engineers, Inc. (C&S) has prepared this Limited Confirmatory Sampling Report on behalf of the applicants for Brownfield Cleanup Program (BCP) Site No. C915398, Marine Drive JV LLC, (hereafter "Applicants"), for the Marine Drive Apartments East Site located at a portion of 90 Erie Street, Buffalo, Erie County, New York (the "Site").

Characterization Scope and Objectives

This investigation was intended to determine excavation depth prior to the implementation of the remedy. The scope of the investigation was conducted in according to the approved Remedial Action Work Plan (RAWP).

From April 10-11, 2025, an investigation was completed to provide limited characterization of the confirmatory sub-surface soil on the Site. A total of 38 sub-surface soil samples were collected from 11 soil borings spread across the Site. **Figure 1** shows the sample locations and analytical results from the original confirmatory sampling conducted in June 2024 and **Figure 2** shows the sample locations and results from the confirmatory sampling conducted in April 2025. In addition to collecting one set of samples at the depths the exceed Unrestricted Use SCOS (identified as "01" in the table below), up to three additional samples were collected ("02" to "04") at half foot or one-foot intervals below the first native soil sample. These deeper samples were submitted to the laboratory but held until the uppermost native soil sample is analyzed. If any analytes exceed the respective SCOs, the next deeper sample was analyzed for only those compounds that exceed the SCO. If the concentration in that sample also exceeds the SCOs, the next lower sample was analyzed and the results were compared to the SCOs. The process was repeated for the third sample, if necessary.. A summary of the confirmatory sampling program is presented in **Table 1**:

Table 1

Additional Confirmatory Samples

Location	Analyte	Depth
A1	Acetone	01 – 7ft
		02 – 7.5ft
		03 – 8ft
		04 – 8.5ft
B3	Benzo(a)anthracene	
	Benzo(a)pyrene	01 – 8ft
	Benzo(b)fluoranthene	02 – 8.5ft
	Benzo(k)fluoranthene	03 – 9ft
	Dibenzo(a,h)anthracene	04 – 9.5ft
	Indeno(1,2,3-cd)pyrene	
B9	Chromium	01 – 12ft
		02 – 12.5ft
		03 – 13ft
		04 – 13.5ft
B12	VOC, PFAS, SVOC, 1,4-dioxane, Pesticides, PCBs, Metals, Cyanide, Hexavalent Chromium	01 – 8ft
		02 – 9ft
		03 – 10ft
C6	Benzo(a)anthracene	
	Benzo(a)pyrene	01 – 10ft
	Benzo(b)fluoranthene	02 – 10.5ft
	Benzo(k)fluoranthene	03 – 11ft
	Dibenzo(a,h)anthracene	04 – 11.5ft
	Indeno(1,2,3-cd)pyrene	
	Mercury	
C7	Acetone	01 – 8ft
		02 – 8.5ft
		03 – 9ft
		04 – 9.5ft
C9	Acetone	01 – 8ft
		02 – 8.5ft
		03 – 9ft
		04 – 9.5ft
C12	VOC, PFAS, SVOC, 1,4-dioxane, Pesticides, PCBs, Metals, Cyanide, Hexavalent Chromium	01 – 5ft
		02 – 6ft
		03 – 7ft
D8	Acetone	01 – 8ft
		02 – 8.5ft

Location	Analyte	Depth
		03 – 9ft
		04 – 9.5ft
D15	VOC, PFAS, SVOC, 1,4-dioxane, Pesticides, PCBs, Metals, Cyanide, Hexavalent Chromium	01 – 8ft
		02 – 9ft
		03 – 10ft
D16	Acetone	01 – 15ft

Results

Soil Observations

Historic Fill Material (HFM) identified on-Site consisted of any one or a mixture of the following materials:

Crushed Rock	Lumber
Sand	Ash/Cinders
Silt	Ceramics
Clay	Bricks
Plastics	Metal
Construction Debris	

HFM was generally observed throughout the Site from beneath the asphalt surface or grass islands. Three fill types were encountered:

- The first type of HFM encountered was blast-furnace slag. This HFM was located throughout the Site directly underneath the asphalt pavement surface and was approximately two to two and a half feet thick. The blast-furnace slag consists of dense light grey two-inch size and smaller aggregate.
- The second type of HFM was observed underneath the slag consisted of a mixture of soil types (sand, silt, and/or clay), ash, coal, gravel, and construction demolition debris. This HFM extended to approximately four and a half feet to 9 and a half-feet bgs with an average depth of seven and a half feet.

Underlying the HFM were mixed deposits of native silt, clay, and sand down to at least 20 feet below ground surface. The mixed deposits vary from each soil boring location; however, soils generally consisted of alternating grey and brown zones of silty sand, sand, clayey silt, sand silt and glacial deposits. Layers of the soil types listed above were observed to be discontinuous across the Site. Most native soils contained abundant amounts of decomposing organic matter.

Based on previous investigations, bedrock is gray, slightly weathered or unweathered limestone. The top of bedrock ranges from 26-35 feet bgs.

Soil boring logs are provided in **Attachment A**.

Field Screening Results

Throughout the Site, HFM and soil did not exhibit evidence of contamination, such as staining, odors, or elevated PID measurements.

Laboratory Analytical Data

New York State has established Soil Cleanup Objectives (SCOs) for various chemicals of interest, including chemical compounds associated with petroleum products, chemicals, pesticides / herbicides, metals, etc. The SCOs are established in Title 6 of the New York Codes, Rules, and Regulations at Part 375 (6 NYCRR Part 375). The SCOs in Part 375 are intended to apply to State Superfund Sites, Brownfield Cleanup Program (BCP) Sites, and Environmental Restoration Program (ERP) Sites. However, for consistency with State guidance, it is typical to apply the SCOs to sites independently investigated across NYS.

SOIL ANALYTICAL DATA

Table 2 below summarizes the analytes sampled for, whether the detected concentrations achieved Track 1 SCOs, and the new excavation depths at each location. For analytes that did not achieve Track 1 SCOs, the concentration is listed.

Table 2
Confirmatory Sampling Analytical Results

	Depth	Analyte	Achieved Track 1 SCO	Exceedances (mg/kg)	New Excavation Depth (feet)
A1	01 – 7ft	Acetone	Yes	0.23 at 7 feet	8
	02 – 7.5ft			0.091 at 7.5 feet	
	03 – 8ft			0.022 at 8 feet	
	04 – 8.5ft				
B3			No	At 8 feet:	9.5
		Benzo(a)anthracene		Benzo(a)anthracene – 12	
		Benzo(a)pyrene		Benzo(a)pyrene – 9.3	
	01 – 8ft	Benzo(b)fluoranthene		Benzo(b)fluoranthene – 11	
	02 – 8.5ft	Benzo(k)fluoranthene		Benzo(k)fluoranthene – 3.2	
	03 – 9ft	Benzo(k)fluoranthene		Dibenzo(a,h)anthracene –	
	04 – 9.5ft	Dibenzo(a,h)anthracene		0.95	
		Indeno(1,2,3-cd)pyrene		At 8.5 feet:	

Depth		Analyte	Achieved Track 1 SCO	Exceedances (mg/kg)	New Excavation Depth (feet)
				Dibenzo(a,h)anthracene – 0.95	
				At 9 feet: Dibenzo(a,h)anthracene – 4.4	
				At 9.5 feet Dibenzo(a,h)anthracene – ND	
B9	01 – 12ft 02 – 12.5ft 03 – 13ft 04 – 13.5ft	Chromium	Yes	7.15 at 12 feet	12
B12	01 – 8ft 02 – 9ft 03 – 10ft	VOC, PFAS, SVOC, 1,4-dioxane, Pesticides, PCBs, Metals, Cyanide, Hexavalent Chromium	Yes	Acetone – 0.058 at 10 feet Acetone – 0.017 at 11 feet	11
C6	01 – 10ft 02 – 10.5ft 03 – 11ft 04 – 11.5ft	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(k)fluoranthene Dibenzo(a,h)anthracene Indeno(1,2,3-cd)pyrene Mercury	Yes	N/A	10
C7	01 – 8ft 02 – 8.5ft 03 – 9ft 04 – 9.5ft	Acetone	Yes	0.69 at 8 feet 0.27 at 8.5 feet ND at 9 feet	9
C9	01 – 8ft 02 – 8.5ft 03 – 9ft 04 – 9.5ft	Acetone	Yes	0.45 at 8 feet 0.039 at 8.5 feet	8.5

Depth		Analyte	Achieved Track 1 SCO	Exceedances (mg/kg)	New Excavation Depth (feet)
C12	01 – 5ft	VOC, PFAS, SVOC, 1,4-dioxane, Pesticides, PCBs, Metals, Cyanide, Hexavalent Chromium	No	At 5 feet: Arsenic – 13.5 Copper – 168 Lead – 314 Mercury – 5.32 Silver – 6.72 Zinc – 167	16 (original depth)
	02 – 6ft			At 6 feet: Lead – 213 Mercury – 0.849	
	03 – 7ft			At 7 feet: Lead – 116 Mercury – 2.7	
D8	01 – 8ft	Acetone	Yes	0.12 at 8 feet	9
	02 – 8.5ft			0.066 at 8.5 feet	
	03 – 9ft			0.016 at 9 feet	
	04 – 9.5ft				
D15	01 – 8ft	VOC, PFAS, SVOC, 1,4-dioxane, Pesticides, PCBs, Metals, Cyanide, Hexavalent Chromium	Yes	At 9 feet: Lead – 406 Mercury – 0.488	10
	02 – 9ft			At 10 feet: Lead – 4.04 Mercury – ND	
	03 – 10ft				
D16	01 – 15ft	Acetone	Yes	N/A	10

Table 1 provides all analytical results from the April 2025 confirmatory sampling. **Figure 3** shows the new proposed excavation depths. **Attachment B** provides the laboratory analytical report.

INVESTIGATION DERIVED WASTE

During the investigation, multiple 55-gallon steel drums were mobilized to the Site to store Investigation-Derived Waste (IDW). IDW generated during the sampling activities was placed in the drums, sealed, labeled, and stored on the Site for additional material that may be generated by future remedial activities. Drums containing IDW will require future characterization for proper disposal.

Drums are stored on-Site within a parking space at grid A7.

COMMUNITY AIR MONITORING PROGRAM (CAMP)

To provide a measure of protection for the off-site / downwind community from potential airborne contaminant releases as a direct result of investigative work activities, and to confirm that work activities did not spread contamination off-site through the air, real-time air quality monitoring was conducted during ground-disturbing activities at the Site. Such air quality monitoring was performed in accordance with the Community Air Monitoring Program (CAMP) described in the RIWP, and included continuous monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) during ground intrusive activities, including but not limited to: soil excavation and handling (including asphalt and concrete removal), advancement of soil borings, and the installation of monitoring wells. CAMP monitoring was continuously performed during indoor soil boring advancement, even when using hand tools.

Proposed Remedial Action Work Plan Modifications

Based on this investigation C&S recommends the following modifications to the approved Remedial Action Work Plan:

- The excavation depths should be changed according to **Table 2** above and **Figure 3**.
- Following the concentrations of dibenzo(a,h)anthracene, Cell B3 will be excavated to 9.5 feet; however, other SVOC analysis was missed in the subsequent sample intervals. A confirmatory sample will need to be collected from 9.5 feet in Cell B3 for the following:
 - Benzo(a)anthracene
 - Benzo(a)pyrene
 - Benzo(b)fluoranthene
 - Benzo(k)fluoranthene
- Sampling from Cell C12 did not show shallow contamination. The original excavation depth of 16 feet will continue to be used for the Track 1 cleanup.
- The soil boring logs and sampling results indicate that the excavation depth for Cell D15 can be changed from 17 feet to 10 feet. Considering that this depth is consistent with the surrounding cells, the proposed sidewall samples will be removed from the work plan.

Should you have any questions regarding this letter or require additional information, please feel free to contact the undersigned.

Sincerely,

C&S ENGINEERS, INC.



Daniel E. Riker, P.G.
Department Manager



Cody A. Martin
Project Environmental Scientist

FIGURES



Figure 1

Original Sub-surface Soil Sampling

- Brownfield Cleanup Program (BCP) Site
- Archeological Excavation Area
- Sampling Grid (50-feet by 50-feet)
- Soil Boring Location

Label Legend

Field Sample ID	
Sample Depth (feet)	
Date Sampled	
Units	
ANALYTE CONCENTRATION EXCEED PART 375 SOIL CLEANUP OBJECTIVES	Unrestricted Use
	Residential Use
	Restricted Residential Use
	Commercial Use
	Industrial Use



0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

Marine Drive Apartments East Phase 1 Site Brownfield Cleanup Program

Sources: Survey created by Niagara Boundary and Mapping Services

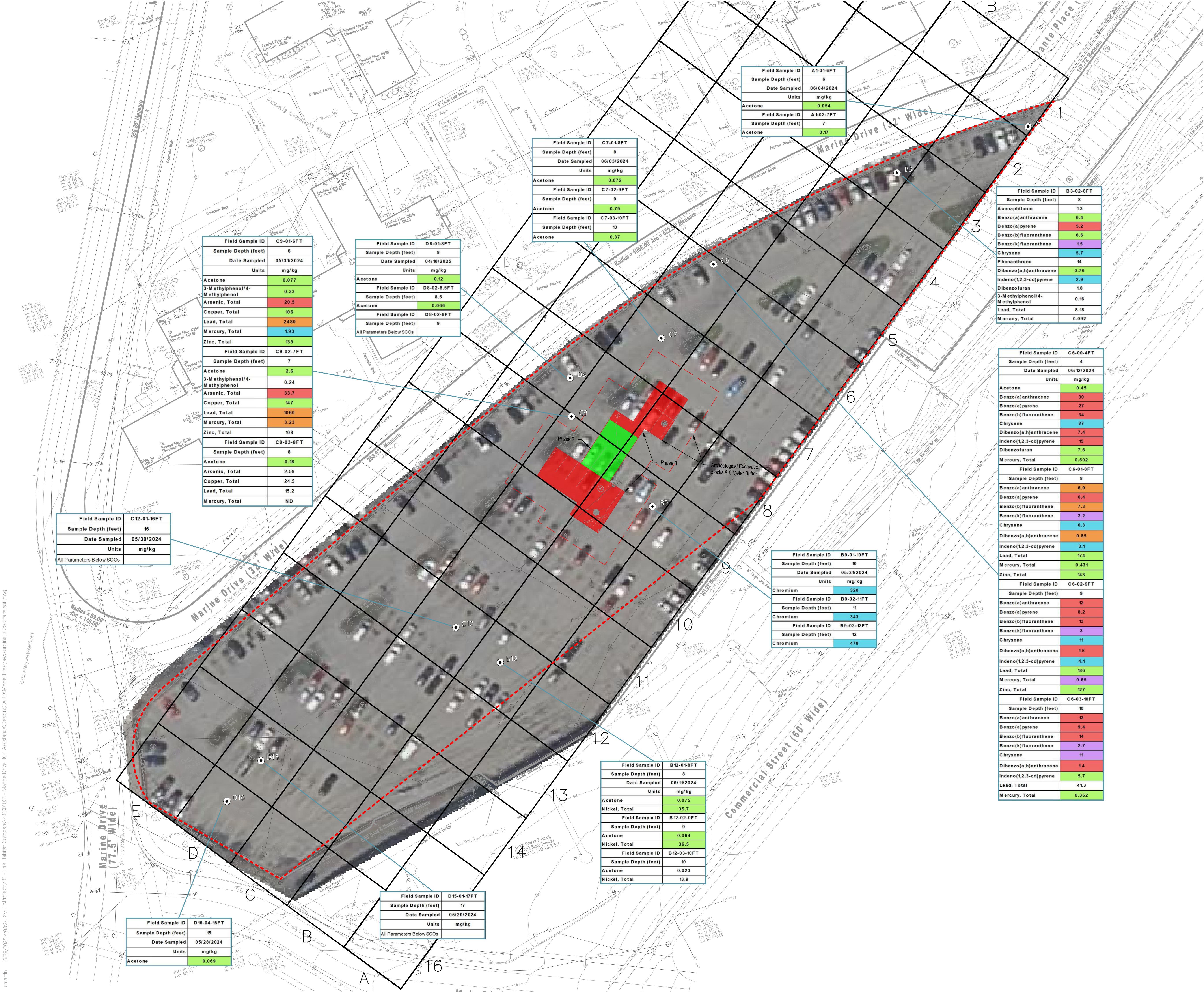




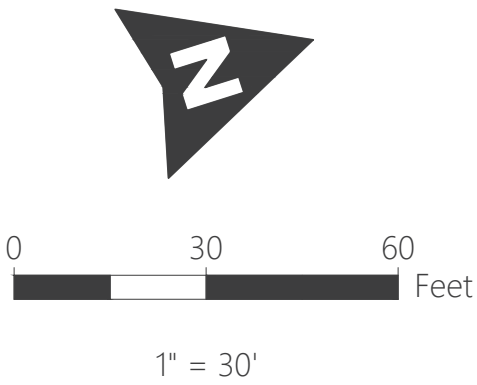
Figure 2

Additional Sub-surface
Confirmatory Sampling

- Brownfield Cleanup Program (BCP) Site
- Archeological Excavation Area
- Sampling Grid (50-feet by 50-feet)
- Soil Boring Location

Label Legend

Field Sample ID	
Sample Depth (feet)	
Date Sampled	
Units	
ANALYTE CONCENTRATION EXCEED PART 375 SOIL CLEANUP OBJECTIVES	Unrestricted Use
	Residential Use
	Restricted Residential Use
	Commercial Use
	Industrial Use



When printed on 24 in. by 36 in.

Marine Drive Apartments East
Phase 1 Site
Brownfield Cleanup Program

Sources: Survey created by Niagara Boundary and Mapping Services

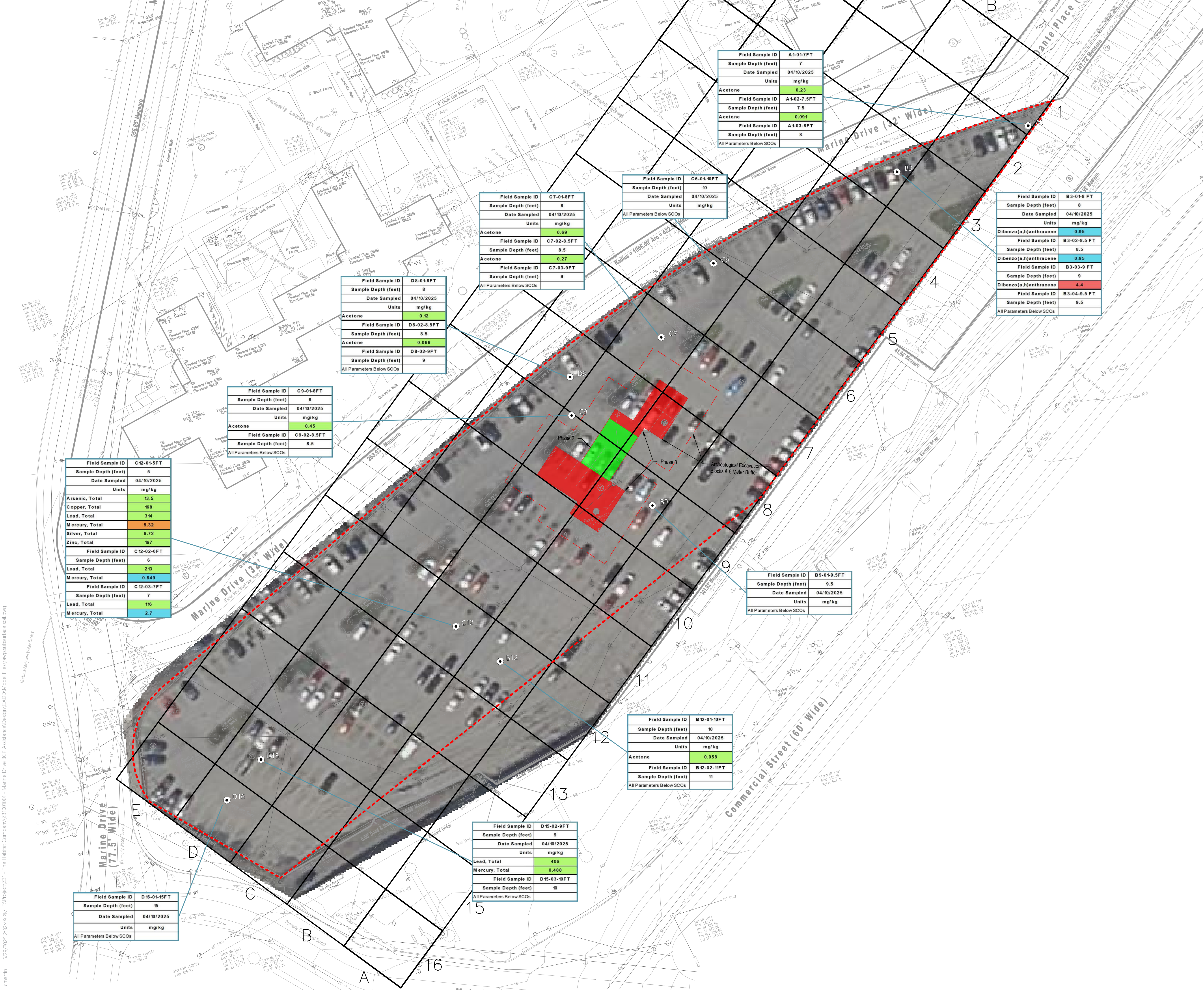




Figure 3

Track 1 Cleanup (Revised)

Brownfield Cleanup Program (BCP) Site

Excavation Grid (50-feet by 50-feet)

Confirmatory Soil Sample Location

Perimeter Soil Sample Location

Sidewall Soil Sample Location

Excavation Depth (feet)

4.0 - 5.9

6.0 - 6.9

7.0 - 7.9

8.0 - 8.9

9.0 - 9.9

10.0 - 10.9

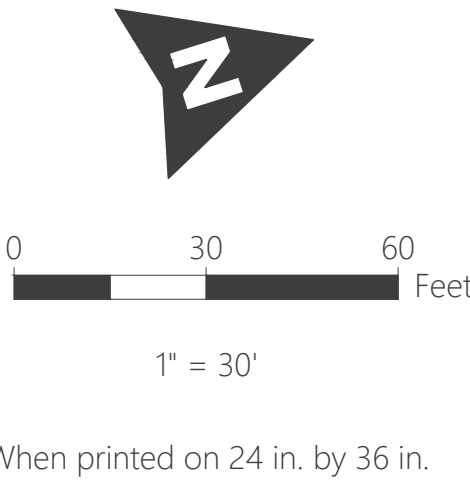
11.0 - 16.0

Anticipated Final Grade Elevation (subject to change based on confirmatory sample results and field observations)

574.85

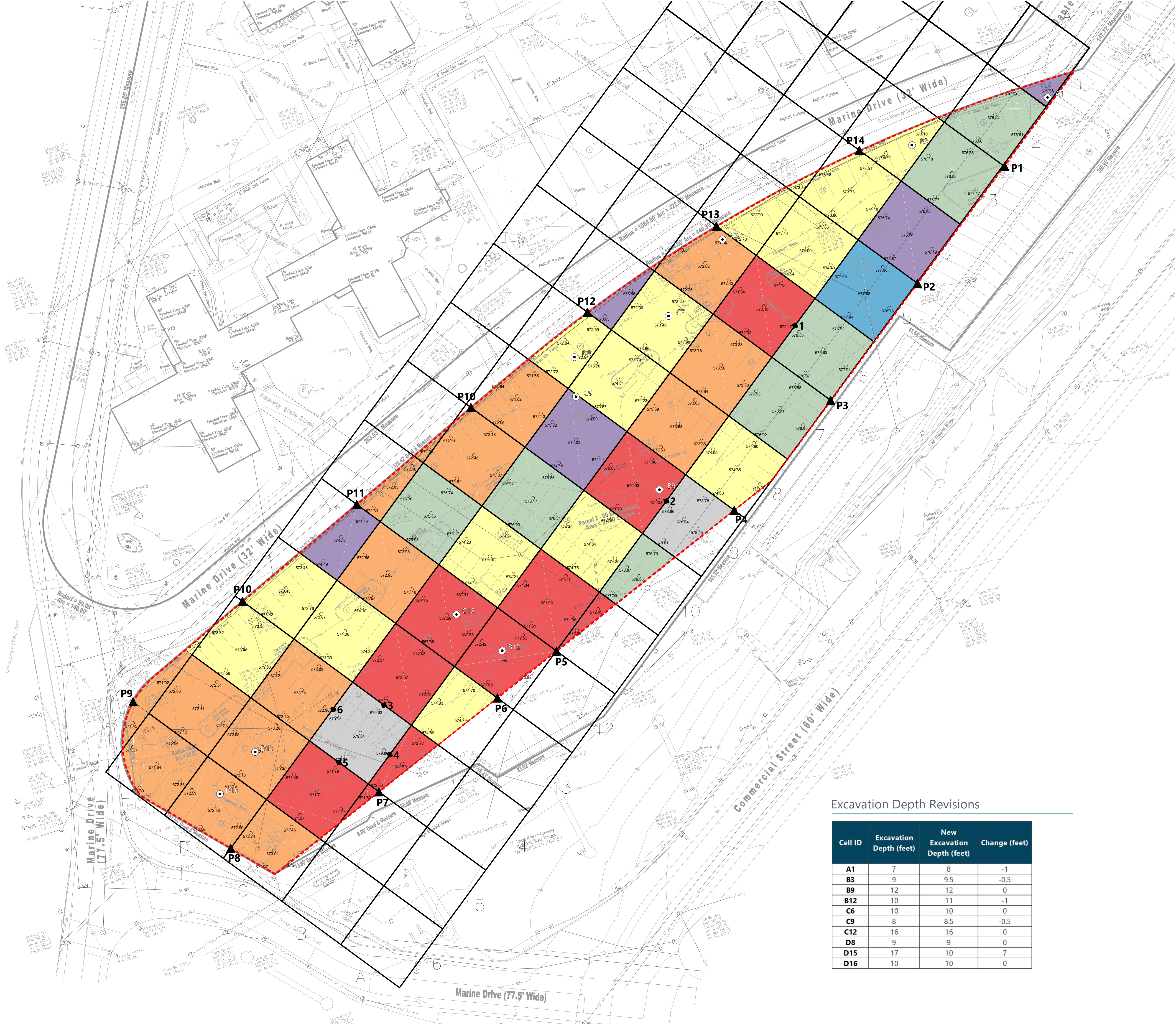
- Material consists of non-hazardous contaminated historic fill material and impacted native soil
- Excavation based on in-place volumes of contaminated material. Potential volume of recyclable concrete, asphalt or brick is not included.
- Assumes a tonnage conversion factor of 125 per cubic foot or 1.75 per cubic yard.

Total Cubic Yards = 37,000
Potential Tonnage = 64,750



Marine Drive Apartments East Phase 1 Site Brownfield Cleanup Program

Sources: Survey created by Niagara Boundary and Mapping Services



TABLES

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID:					A1-01-6 FT			A1-02-7 FT			B3-01-7 FT			B3-02-8 FT			B3-02-8 FT			B9-01-10FT			B9-02-11FT			B9-03-12FT			
	COLLECTION DATE:					6/4/2024			6/4/2024			6/4/2024			6/4/2024			6/4/2024			5/31/2024			5/31/2024			5/31/2024			
	SAMPLE DEPTH:					6			7			7			8			8			10			11			12			
	SAMPLE MATRIX:					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																									
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL		
PFNS	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
NMeFOSAA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
PFUnA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
PFDS	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
PFOSA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
NEtFOSAA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
PFDoA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
PFTrDA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
PFTeDA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
HFPO-DA	NA	NA	NA	NA	NA	ND	0.000801	-	-	-	ND		0.000804	-	-	-	-	-	-	ND		0.000796	-	-	-	-	-	-		
ADONA	NA	NA	NA	NA	NA	ND	0.000801	-	-	-	ND		0.000804	-	-	-	-	-	-	ND		0.000796	-	-	-	-	-	-		
PFDoS	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
9Cl-PF3ONS	NA	NA	NA	NA	NA	ND	0.000801	-	-	-	ND		0.000804	-	-	-	-	-	-	ND		0.000796	-	-	-	-	-	-		
11Cl-PF3OUdS	NA	NA	NA	NA	NA	ND	0.000801	-	-	-	ND		0.000804	-	-	-	-	-	-	ND		0.000796	-	-	-	-	-	-		
NMeFOSA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
NEtFOSA	NA	NA	NA	NA	NA	ND	0.0002	-	-	-	ND		0.000201	-	-	-	-	-	-	ND		0.000199	-	-	-	-	-	-		
NMeFOSE	NA	NA	NA	NA	NA	ND	0.002	-	-	-	ND		0.00201	-	-	-	-	-	-	ND		0.00199	-	-	-	-	-	-		
NEtFOSE	NA	NA	NA	NA	NA	ND	0.002	-	-	-	ND		0.00201	-	-	-	-	-	-	ND		0.00199	-	-	-	-	-	-		
PFMPA	NA	NA	NA	NA	NA	ND	0.0004	-	-	-	ND		0.000402	-	-	-	-	-	-	ND		0.000398	-	-	-	-	-	-		
PFMBA	NA	NA	NA	NA	NA	ND	0.0004	-	-	-	ND		0.000402	-	-	-	-	-	-	ND		0.000398	-	-	-	-	-	-		
PFEESA	NA	NA	NA	NA	NA	ND	0.0004	-	-	-	ND		0.000402	-	-	-	-	-	-	ND		0.000398	-	-	-	-	-	-		
NFDHA	NA	NA	NA	NA	NA	ND	0.0004	-	-	-	ND		0.000402	-	-	-	-	-	-	ND		0.000398	-	-	-	-	-	-		
3:3FTCA	NA	NA	NA	NA	NA	ND	0.001	-	-	-	ND		0.001	-	-	-	-	-	-	ND		0.000995	-	-	-	-	-	-		
5:3FTCA	NA	NA	NA	NA	NA	ND	0.00501	-	-	-	ND		0.00503	-	-	-	-	-	-	ND		0.00497	-	-	-	-	-	-		
7:3FTCA	NA	NA	NA	NA	NA	ND	0.00501	-	-	-	ND		0.00503	-	-	-	-	-	-	ND		0.00497	-	-	-	-	-	-		
SVOCs																														
Acenaphthene	20	100	100	500	1000	ND	0.16	-	-	-	21		5.7	1.3		0.16	-	-	-	ND		0.16	-	-	-	-	-	-		
Hexachlorobenzene	0.33	0.33	1.2	6	12	ND	0.12	-	-	-	ND		4.3	-		-	-	-	-	ND		0.12	-	-	-	-	-	-		
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	ND	0.18	-	-	-	ND		6.4	-		-	-	-	-	ND		0.18	-	-	-	-	-	-		
2-Chloronaphthalene	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
Fluoranthene	100	100	100	500	1000	ND	0.12	-	-	-	86		4.3	-	-	-	-	-	-	ND		0.12	-	-	-	-	-	-		
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
Bis(2-chloroisopropyl)ether	NA	NA	NA	NA	NA	ND	0.24	-	-	-	ND		8.6	-	-	-	-	-	-	ND		0.23	-	-	-	-	-	-		
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	ND	0.22	-	-	-	ND		7.7	-	-	-	-	-	-	ND		0.21	-	-	-	-	-	-		
Hexachlorobutadiene	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	ND	0.57	-	-	-	ND		20	-	-	-	-	-	-	ND		0.56	-	-	-	-	-	-		
Hexachloroethane	NA	NA	NA	NA	NA	ND	0.16	-	-	-	ND		5.7	-	-	-	-	-	-	ND		0.16	-	-	-	-	-	-		
Isophorone	NA	NA	NA	NA	NA	ND	0.18	-	-	-	ND		6.4	-	-	-	-	-	-	ND		0.18	-	-	-	-	-	-		
Naphthalene	12	100	100	500	1000	ND	0.2	-	-	-	7.1	J	7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
Nitrobenzene	NA	NA	NA	NA	NA	ND	0.18	-	-	-	ND		6.4	-	-	-	-	-	-	ND		0.18	-	-	-	-	-	-		
NDPA/DPA	NA	NA	NA	NA	NA	ND	0.16	-	-	-	ND		5.7	-	-	-	-	-	-	ND		0.16	-	-	-	-	-	-		
n-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-		
Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA</																									

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID:					A1-01-6 FT			A1-02-7 FT			B3-01-7 FT			B3-02-8 FT			B3-02-8 FT			B9-01-10FT			B9-02-11FT			B9-03-12FT		
	COLLECTION DATE:					6/4/2024			6/4/2024			6/4/2024			6/4/2024			6/4/2024			5/31/2024			5/31/2024			5/31/2024		
	SAMPLE DEPTH:					6			7			7			8			8			10			11			12		
	SAMPLE MATRIX:					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																								
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Fig	RL	Result	Fig	RL	Result	Fig	RL	Result	Fig	RL	Result	Fig	RL	Result	Fig	RL	Result	Fig	RL	Result	Fig	RL	
2-Methylnaphthalene	NA	NA	NA	NA	NA	ND	0.24	-	-	-	7.2	J	8.6	-	-	-	-	-	-	ND		0.23	-	-	-	-	-	-	
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
Acetophenone	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	ND	0.12	-	-	-	ND		4.3	-	-	-	-	-	-	ND		0.12	-	-	-	-	-	-	
p-Chloro-m-cresol	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
2-Chlorophenol	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	ND	0.18	-	-	-	ND		6.4	-	-	-	-	-	-	ND		0.18	-	-	-	-	-	-	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
2-Nitrophenol	NA	NA	NA	NA	NA	ND	0.43	-	-	-	ND		15	-	-	-	-	-	-	ND		0.42	-	-	-	-	-	-	
4-Nitrophenol	NA	NA	NA	NA	NA	ND	0.28	-	-	-	ND		10	-	-	-	-	-	-	ND		0.27	-	-	-	-	-	-	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	ND	0.96	-	-	-	ND		34	-	-	-	-	-	-	ND		0.93	-	-	-	-	-	-	
4,6-Dinitro-o-cresol	NA	NA	NA	NA	NA	ND	0.52	-	-	-	ND		18	-	-	-	-	-	-	ND		0.51	-	-	-	-	-	-	
Pentachlorophenol	0.8	2.4	6.7	6.7	55	ND	0.16	-	-	-	ND		5.7	-	-	-	-	-	-	ND		0.16	-	-	-	-	-	-	
Phenol	0.33	100	100	500	1000	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
2-Methylphenol	0.33	100	100	500	1000	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
3-Methylphenol/4-Methylphenol	0.33	34	100	500	1000	ND	0.29	-	-	-	1.4	J	10	0.16	J	0.28	-	-	-	ND		0.28	-	-	-	-	-	-	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
Carbazole	NA	NA	NA	NA	NA	ND	0.2	-	-	-	12		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
Atrazine	NA	NA	NA	NA	NA	ND	0.16	-	-	-	ND		5.7	-	-	-	-	-	-	ND		0.16	-	-	-	-	-	-	
Benzaldehyde	NA	NA	NA	NA	NA	ND	0.26	-	-	-	ND		9.4	-	-	-	-	-	-	ND		0.26	-	-	-	-	-	-	
Caprolactam	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	ND	0.2	-	-	-	ND		7.2	-	-	-	-	-	-	ND		0.19	-	-	-	-	-	-	
1,4-Dioxane	0.1	9.8	13	130	250	ND	0.03	-	-	-	ND		1.1	-	-	-	-	-	-	ND		0.029	-	-	-	-	-	-	
HERBICIDES																													
2,4,5-TP (Silvex)	3.8	58	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PESTICIDES																													
Delta-BHC	0.04	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lindane	0.1	0.28	1.3	9.2	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Alpha-BHC	0.02	0.097	0.48	3.4	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Beta-BHC	0.036	0.072	0.36	3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Heptachlor	0.042	0.42	2.1	15	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aldrin	0.005	0.019	0.097	0.68	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Heptachlor epoxide	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endrin	0.014	2.2	11	89	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endrin aldehyde	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endrin ketone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dieldrin	0.005	0.039	0.2	1.4	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,4'-DDE	0.0033	1.8	8.9	62	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,4'-DDD	0.0033	2.6	13	92	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,4'-DDT	0.0033	1.7	7.9	47	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan I	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan II	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan sulfate	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methoxychlor	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toxaphene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
cis-Chlordane	0.094	0.91	4.2	24	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
trans-Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
POLYCHLORINATED BIPHENYLS																													
Aroclor 1016	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-												

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



SAMPLE ID:					A1-01-6 FT			A1-02-7 FT			B3-01-7 FT			B3-02-8 FT			B3-02-8 FT			B9-01-10FT			B9-02-11FT			B9-03-12FT			
COLLECTION DATE:					6/4/2024			6/4/2024			6/4/2024			6/4/2024			6/4/2024			5/31/2024			5/31/2024			5/31/2024			
SAMPLE DEPTH:					6			7			7			8			8			10			11			12			
SAMPLE MATRIX:					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL			
Lead, Total	63	400	400	1000	3900	10.2		4.74	-		-	186		5.76	8.18	J	9.4	-		-	6.09	J	9.37	-		-	-	-	-
Magnesium, Total	NA	NA	NA	NA	NA	22200		9.48	-		-	4940		11.5	-		-	-		-	61600		18.7	-		-	-	-	-
Manganese, Total	1600	2000	2000	10000	10000	220		0.948	-		-	101		1.15	-		-	-		-	291		1.87	-		-	-	-	-
Mercury, Total	0.18	0.81	0.81	2.8	5.7	ND		0.079	-		-	1.17		0.103	0.092		0.078	-		-	0.054	J	0.08	-		-	-	-	-
Nickel, Total	30	140	310	310	10000	6.7		2.37	-		-	4.51		2.88	-		-	-		-	9.61		4.69	-		-	-	-	-
Potassium, Total	NA	NA	NA	NA	NA	413		237	-		-	288		288	-		-	-		-	478		469	-		-	-	-	-
Selenium, Total	3.9	36	180	1500	6800	ND		1.9	-		-	ND		2.31	-		-	-		-	ND		3.75	-		-	-	-	-
Silver, Total	2	36	180	1500	6800	ND		0.474	-		-	0.399	J	0.576	-		-	-		-	ND		0.937	-		-	-	-	-
Sodium, Total	NA	NA	NA	NA	NA	1060		190	-		-	1550		231	-		-	-		-	369	J	375	-		-	-	-	-
Thallium, Total	NA	NA	NA	NA	NA	0.37	J	1.9	-		-	ND		2.31	-		-	-		-	ND		3.75	-		-	-	-	-
Vanadium, Total	NA	NA	NA	NA	NA	10.9		0.948	-		-	7.04		1.15	-		-	-		-	8.04		1.87	-		-	-	-	-
Zinc, Total	109	2200	10000	10000	10000	56.6		4.74	-		-	46.4		5.76	-		-	-		-	37.4		9.37	-		-	-	-	-
GENERAL CHEMISTRY																													
Solids, Total	NA	NA	NA	NA	NA	82		0.1	78.4		0.1	66.2		0.1	81.8		0.1	-		-	84.2		0.1	85.5		0.1	64.9		0.1
Cyanide, Total	27	27	27	27	10000	ND		1.2	-		-	0.65	J	1.4	-		-	-		-	0.34	J	1.2	-		-	-	-	-
Chromium, Hexavalent	1	22	110	400	800	-		-	-		-	-		-	-		-	-		-	-		-	-		-	-	-	-

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID:					B12-00-4FT			B12-01-8FT			B12-02-9FT			B12-03-10FT			C6-00-4FT			C6-00-4FT			C6-01-8FT			C6-01-8FT		
	COLLECTION DATE:					6/11/2024			6/11/2024			6/11/2024			6/11/2024			6/12/2024			6/12/2024			6/12/2024			6/12/2024		
	SAMPLE DEPTH:					4			8			9			10			4			4			8			8		
	SAMPLE MATRIX:					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																								
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	
VOCs																													
Methylene chloride	0.05	51	100	500	1000	ND		0.0077	ND		0.007	-	-	-	-	-	ND		0.039	-	-	-	ND		0.007	-	-	-	
1,1-Dichloroethane	0.27	19	26	240	480	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
Chloroform	0.37	10	49	350	700	ND		0.0023	ND		0.0021	-	-	-	-	-	ND		0.012	-	-	-	ND		0.0021	-	-	-	
Carbon tetrachloride	0.76	1.4	2.4	22	44	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
1,2-Dichloropropane	NA	NA	NA	NA	NA	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
Dibromochloromethane	NA	NA	NA	NA	NA	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
Tetrachloroethene	1.3	5.5	19	150	300	ND		0.00077	ND		0.0007	-	-	-	-	-	ND		0.0039	-	-	-	ND		0.0007	-	-	-	
Chlorobenzene	1.1	100	100	500	1000	ND		0.00077	ND		0.0007	-	-	-	-	-	ND		0.0039	-	-	-	ND		0.0007	-	-	-	
Trichlorofluoromethane	NA	NA	NA	NA	NA	ND		0.0062	ND		0.0056	-	-	-	-	-	ND		0.031	-	-	-	ND		0.0056	-	-	-	
1,2-Dichloroethane	0.02	2.3	3.1	30	60	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
1,1,1-Trichloroethane	0.68	100	100	500	1000	ND		0.00077	ND		0.0007	-	-	-	-	-	ND		0.0039	-	-	-	ND		0.0007	-	-	-	
Bromodichloromethane	NA	NA	NA	NA	NA	ND		0.00077	ND		0.0007	-	-	-	-	-	ND		0.0039	-	-	-	ND		0.0007	-	-	-	
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	ND		0.00077	ND		0.0007	-	-	-	-	-	ND		0.0039	-	-	-	ND		0.0007	-	-	-	
Bromoform	NA	NA	NA	NA	NA	ND		0.0062	ND		0.0056	-	-	-	-	-	ND		0.031	-	-	-	ND		0.0056	-	-	-	
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	ND		0.00077	ND		0.0007	-	-	-	-	-	ND		0.0039	-	-	-	ND		0.0007	-	-	-	
Benzene	0.06	2.9	4.8	44	89	ND		0.00077	ND		0.0007	-	-	-	-	-	ND		0.0039	-	-	-	ND		0.0007	-	-	-	
Toluene	0.7	100	100	500	1000	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
Ethylbenzene	1	30	41	390	780	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
Chloromethane	NA	NA	NA	NA	NA	ND		0.0062	ND		0.0056	-	-	-	-	-	ND		0.031	-	-	-	ND		0.0056	-	-	-	
Bromomethane	NA	NA	NA	NA	NA	ND		0.0031	ND		0.0028	-	-	-	-	-	ND		0.016	-	-	-	ND		0.0028	-	-	-	
Vinyl chloride	0.02	0.21	0.9	13	27	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
Chloroethane	NA	NA	NA	NA	NA	ND		0.0031	ND		0.0028	-	-	-	-	-	ND		0.016	-	-	-	ND		0.0028	-	-	-	
1,1-Dichloroethene	0.33	100	100	500	1000	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
trans-1,2-Dichloroethene	0.19	100	100	500	1000	ND		0.0023	ND		0.0021	-	-	-	-	-	ND		0.012	-	-	-	ND		0.0021	-	-	-	
Trichloroethene	0.47	10	21	200	400	0.00026	J	0.00077	ND		0.0007	-	-	-	-	-	ND		0.0039	-	-	-	ND		0.0007	-	-	-	
1,2-Dichlorobenzene	1.1	100	100	500	1000	ND		0.0031	ND		0.0028	-	-	-	-	-	ND		0.016	-	-	-	ND		0.0028	-	-	-	
1,3-Dichlorobenzene	2.4	17	49	280	560	ND		0.0031	ND		0.0028	-	-	-	-	-	ND		0.016	-	-	-	ND		0.0028	-	-	-	
1,4-Dichlorobenzene	1.8	9.8	13	130	250	ND		0.0031	ND		0.0028	-	-	-	-	-	ND		0.016	-	-	-	ND		0.0028	-	-	-	
Methyl tert butyl ether	0.93	62	100	500	1000	ND		0.0031	ND		0.0028	-	-	-	-	-	ND		0.016	-	-	-	ND		0.0028	-	-	-	
p/m-Xylene	NA	NA	NA	NA	NA	ND		0.0031	ND		0.0028	-	-	-	-	-	ND		0.016	-	-	-	ND		0.0028	-	-	-	
o-Xylene	NA	NA	NA	NA	NA	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
cis-1,2-Dichloroethene	0.25	59	100	500	1000	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
Styrene	NA	NA	NA	NA	NA	ND		0.0015	ND		0.0014	-	-	-	-	-	ND		0.0078	-	-	-	ND		0.0014	-	-	-	
Dichlorodifluoromethane	NA	NA	NA	NA	NA	ND		0.015	ND		0.014	-	-	-	-	-	ND		0.078	-	-	-	ND		0.014	-	-	-	
Acetone	0.05	100	100	500	1000	ND		0.015	0.075	0.014	0.064	0.019	0.023		0.01														

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID:					B12-00-4FT			B12-01-8FT			B12-02-9FT			B12-03-10FT			C6-00-4FT			C6-00-4FT			C6-01-8FT			C6-01-8FT		
	COLLECTION DATE:					6/11/2024			6/11/2024			6/11/2024			6/11/2024			6/12/2024			6/12/2024			6/12/2024			6/12/2024		
	SAMPLE DEPTH:					4			8			9			10			4			4			8			8		
	SAMPLE MATRIX:					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																								
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	
PFNS	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
NMeFOSAA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
PFUnA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
PFDS	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
PFOSA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
NEtFOSAA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
PFDoA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
PFTrDA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
PFTeDA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
HFPO-DA	NA	NA	NA	NA	NA	ND		0.000796	ND		0.000793	-	-	-	-	-	ND		0.000912	-	-	-	ND		0.000798	-	-	-	
ADONA	NA	NA	NA	NA	NA	ND		0.000796	ND		0.000793	-	-	-	-	-	ND		0.000912	-	-	-	ND		0.000798	-	-	-	
PFDoS	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
9Cl-PF3ONS	NA	NA	NA	NA	NA	ND		0.000796	ND		0.000793	-	-	-	-	-	ND		0.000912	-	-	-	ND		0.000798	-	-	-	
11Cl-PF3OUdS	NA	NA	NA	NA	NA	ND		0.000796	ND		0.000793	-	-	-	-	-	ND		0.000912	-	-	-	ND		0.000798	-	-	-	
NMeFOSA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
NEtFOSA	NA	NA	NA	NA	NA	ND		0.000199	ND		0.000198	-	-	-	-	-	ND		0.000228	-	-	-	ND		0.0002	-	-	-	
NMeFOSE	NA	NA	NA	NA	NA	ND		0.00199	ND		0.00198	-	-	-	-	-	ND		0.00228	-	-	-	ND		0.002	-	-	-	
NEtFOSE	NA	NA	NA	NA	NA	ND		0.00199	ND		0.00198	-	-	-	-	-	ND		0.00228	-	-	-	ND		0.002	-	-	-	
PFMPA	NA	NA	NA	NA	NA	ND		0.000398	ND		0.000397	-	-	-	-	-	ND		0.000456	-	-	-	ND		0.000399	-	-	-	
PFMBA	NA	NA	NA	NA	NA	ND		0.000398	ND		0.000397	-	-	-	-	-	ND		0.000456	-	-	-	ND		0.000399	-	-	-	
PFEESA	NA	NA	NA	NA	NA	ND		0.000398	ND		0.000397	-	-	-	-	-	ND		0.000456	-	-	-	ND		0.000399	-	-	-	
NFDHA	NA	NA	NA	NA	NA	ND		0.000398	ND		0.000397	-	-	-	-	-	ND		0.000456	-	-	-	ND		0.000399	-	-	-	
3:3FTCA	NA	NA	NA	NA	NA	ND		0.000994	ND		0.000992	-	-	-	-	-	ND		0.00114	-	-	-	ND		0.000998	-	-	-	
5:3FTCA	NA	NA	NA	NA	NA	ND		0.00497	ND		0.00496	-	-	-	-	-	ND		0.0057	-	-	-	ND		0.00499	-	-	-	
7:3FTCA	NA	NA	NA	NA	NA	ND		0.00497	ND		0.00496	-	-	-	-	-	ND		0.0057	-	-	-	ND		0.00499	-	-	-	
SVOCs																													
Acenaphthene	20	100	100	500	1000	0.053	J	0.16	ND		0.18	-	-	-	-	-	8		0.37	-	-	-	1.6		0.17	-	-	-	
Hexachlorobenzene	0.33	0.33	1.2	6	12	ND		0.12	ND		0.14	-	-	-	-	-	ND		0.28	-	-	-	ND		0.13	-	-	-	
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	ND		0.18	ND		0.2	-	-	-	-	-	ND		0.42	-	-	-	ND		0.2	-	-	-	
2-Chloronaphthalene	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-	-	-	-	-	ND		0.47	-	-	-	ND		0.22	-	-	-	
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-	-	-	-	-	ND		0.47	-	-	-	ND		0.22	-	-	-	
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-	-	-	-	-	ND		0.47	-	-	-	ND		0.22	-	-	-	
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-	-	-	-	-	ND		0.47	-	-	-	ND		0.22	-	-	-	
Fluoranthene	100	100	100	500	1000	1.8		0.12	ND		0.14	-	-	-	-	-	53	E	0.28	65	2.8	15	E	0.13	12	0.66			
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-	-	-	-	-	ND		0.47	-	-	-	ND		0.22	-	-	-	
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-	-	-	-	-	ND		0.47	-	-	-	ND		0.22	-	-	-	
Bis(2-chloroisopropyl)ether	NA	NA	NA	NA	NA	ND		0.24	ND		0.27	-	-	-	-	-	ND		0.56	-	-	-	ND		0.26	-	-	-	
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	ND		0.21	ND		0.24	-	-	-	-	-	ND		0.51	-	-	-	ND		0.24	-	-	-	
Hexachlorobutadiene	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-	-	-	-	-	ND		0.47	-	-	-	ND		0.22	-	-	-	
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	ND		0.56	ND		0.65	-	-	-	-	-	ND		1.3	-	-	-	ND		0.62	-	-	-	

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID:					B12-00-4FT			B12-01-8FT			B12-02-9FT			B12-03-10FT			C6-00-4FT			C6-00-4FT			C6-01-8FT			C6-01-8FT		
	COLLECTION DATE:					6/11/2024			6/11/2024			6/11/2024			6/11/2024			6/12/2024			6/12/2024			6/12/2024			6/12/2024		
	SAMPLE DEPTH:					4			8			9			10			4			4			8			8		
	SAMPLE MATRIX:					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
2-Methylnaphthalene	NA	NA	NA	NA	NA	0.024	J	0.24	ND		0.27	-		-	-	-	3.8		0.56	-		-	0.42		0.26	-		-	
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-		-	-	-	ND		0.47	-		-	ND		0.22	-		-	
Acetophenone	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-		-	-	-	ND		0.47	-		-	ND		0.22	-		-	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	ND		0.12	ND		0.14	-		-	-	-	ND		0.28	-		-	ND		0.13	-		-	
p-Chloro-m-cresol	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-		-	-	-	ND		0.47	-		-	ND		0.22	-		-	
2-Chlorophenol	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-		-	-	-	ND		0.47	-		-	ND		0.22	-		-	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	ND		0.18	ND		0.2	-		-	-	-	ND		0.42	-		-	ND		0.2	-		-	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-		-	-	-	ND		0.47	-		-	ND		0.22	-		-	
2-Nitrophenol	NA	NA	NA	NA	NA	ND		0.43	ND		0.49	-		-	-	-	ND		1	-		-	ND		0.47	-		-	
4-Nitrophenol	NA	NA	NA	NA	NA	ND		0.28	ND		0.32	-		-	-	-	ND		0.66	-		-	ND		0.31	-		-	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	ND		0.95	ND		1.1	-		-	-	-	ND		2.2	-		-	ND		1	-		-	
4,6-Dinitro-o-cresol	NA	NA	NA	NA	NA	ND		0.51	ND		0.59	-		-	-	-	ND		1.2	-		-	ND		0.57	-		-	
Pentachlorophenol	0.8	2.4	6.7	6.7	55	ND		0.16	ND		0.18	-		-	-	-	ND		0.37	-		-	ND		0.17	-		-	
Phenol	0.33	100	100	500	1000	ND		0.2	ND		0.23	-		-	-	-	0.15	J	0.47	-		-	ND		0.22	-		-	
2-Methylphenol	0.33	100	100	500	1000	ND		0.2	ND		0.23	-		-	-	-	0.11	J	0.47	-		-	ND		0.22	-		-	
3-Methylphenol/4-Methylphenol	0.33	34	100	500	1000	ND		0.28	ND		0.33	-		-	-	-	0.29	J	0.67	-		-	0.051	J	0.31	-		-	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-		-	-	-	ND		0.47	-		-	ND		0.22	-		-	
Carbazole	NA	NA	NA	NA	NA	0.12	J	0.2	ND		0.23	-		-	-	-	8.8		0.47	-		-	1.4		0.22	-		-	
Atrazine	NA	NA	NA	NA	NA	ND		0.16	ND		0.18	-		-	-	-	ND		0.37	-		-	ND		0.17	-		-	
Benzaldehyde	NA	NA	NA	NA	NA	ND		0.26	ND		0.3	-		-	-	-	ND		0.62	-		-	ND		0.29	-		-	
Caprolactam	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-		-	-	-	ND		0.47	-		-	ND		0.22	-		-	
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	ND		0.2	ND		0.23	-		-	-	-	ND		0.47	-		-	ND		0.22	-		-	
1,4-Dioxane	0.1	9.8	13	130	250	ND		0.03	ND		0.034	-		-	-	-	ND		0.07	-		-	ND		0.033	-		-	
HERBICIDES																													
2,4,5-TP (Silvex)	3.8	58	100	500	1000	ND		0.199	ND		0.233	-		-	-	-	ND		0.473	-		-	-		-	-		-	
PESTICIDES																													
Delta-BHC	0.04	100	100	500	1000	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
Lindane	0.1	0.28	1.3	9.2	23	ND		0.000804	ND		0.000922	-		-	-	-	ND		0.00187	-		-	-		-	-		-	
Alpha-BHC	0.02	0.097	0.48	3.4	6.8	ND		0.000804	ND		0.000922	-		-	-	-	ND		0.00187	-		-	-		-	-		-	
Beta-BHC	0.036	0.072	0.36	3	14	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
Heptachlor	0.042	0.42	2.1	15	29	ND		0.000965	ND		0.00111	-		-	-	-	ND		0.00224	-		-	-		-	-		-	
Aldrin	0.005	0.019	0.097	0.68	1.4	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
Heptachlor epoxide	NA	NA	NA	NA	NA	ND		0.00362	ND		0.00415	-		-	-	-	ND		0.0084	-		-	-		-	-		-	
Endrin	0.014	2.2	11	89	410	ND		0.000804	ND		0.000922	-		-	-	-	ND		0.00187	-		-	-		-	-		-	
Endrin aldehyde	NA	NA	NA	NA	NA	ND		0.00241	ND		0.00277	-		-	-	-	ND		0.0056	-		-	-		-	-		-	
Endrin ketone	NA	NA	NA	NA	NA	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
Dieldrin	0.005	0.039	0.2	1.4	2.8	ND		0.0012	ND		0.00138	-		-	-	-	ND		0.0028	-		-	-		-	-		-	
4,4'-DDE	0.0033	1.8	8.9	62	120	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
4,4'-DDD	0.0033	2.6	13	92	180	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
4,4'-DDT	0.0033	1.7	7.9	47	94	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
Endosulfan I	2.4	4.8	24	200	920	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
Endosulfan II	2.4	4.8	24	200	920	ND		0.00193	ND		0.00221	-		-	-	-	ND		0.00448	-		-	-		-	-		-	
Endosulfan sulfate	2.4	4.8	24	200	920	ND		0.000804	ND		0.000922	-		-	-	-	ND		0.00187	-		-	-		-	-		-	
Methoxychlor	NA	NA	NA	NA	NA	ND		0.00362	ND		0.00415	-		-	-	-	ND		0.0084	-		-	-		-	-		-	
Toxaphene	NA	NA	NA	NA	NA	ND		0.0362	ND		0.0415	-		-	-	-	ND		0.084	-		-	-		-	-		-	
cis-Chlordane	0.094	0.91	4.2	24	47	ND		0.00241	ND		0.00277	-		-	-	-	ND		0.0056	-		-	-		-	-		-	
trans-Chlordane	NA	NA	NA	NA	NA	ND		0.00241	ND		0.00277	-		-	-	-	ND		0.0056	-		-	-		-	-		-	
Chlordane	NA	NA	NA	NA	NA	ND		0.0161	ND		0.0184	-		-	-	-	ND		0.0373	-		-	-		-	-		-	
POLYCHLORINATED BIPHENYLS																													
Aroclor 1016	0.1	1	1	1	25	ND		0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
Aroclor 1221	0.1	1	1	1	25	ND		0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
Aroclor 1232	0.1	1	1	1	25	ND		0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
Aroclor 1242	0.1	1	1	1	25	ND		0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
Aroclor 1248	0.1	1	1	1	25	ND		0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
Aroclor 1254	0.1	1	1	1	25	0.0146	J	0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
Aroclor 1260	0.1	1	1	1	25	ND		0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
Aroclor 1262	0.1	1	1	1	25	ND		0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
Aroclor 1268	0.1	1	1	1	25	ND		0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
PCBs, Total	0.1	1	1	1	25	0.0146	J	0.0572	ND		0.0692	-		-	-	-	ND		0.13	-		-	-		-	-		-	
METALS																													
Aluminum, Total	NA	NA	NA	NA	NA	5320		9.35	12300		11	-		-	-	-	3040		22	-		-	5010		10.3	-		-	
Antimony, Total	NA	NA	NA	NA	NA	ND		4.68	ND		5.48	-		-	-	-	0.937	J	11	-		-	0.72	J	5.16	-		-	
Arsenic, Total	13	16	16	16	16	45		0.935	3.82		1.1	-		-	-	-	12.3		2.2	-		-	3.95		1.03	-		-	
Barium, Total	350	350	400	400	10000	193		0.935	75		1.1	-		-	-	-	80.2		2.2	-		-	93.5		1.03	-		-	
Beryllium, Total	7.2	14	72	590	2700	0.34	J	0.468	0.612		0.548	-		-	-	-	0.26	J	1.1	-		-	0.37	J	0.516	-		-	
Cadmium, Total	2.5	2.5	4.3	9.3	60	0.988		0.935	ND		1.1	-		-	-	-	0.54	J	2.2	-		-	0.898	J	1.03	-		-	
Calcium, Total																													

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID: B12-00-4FT					B12-01-8FT			B12-02-9FT			B12-03-10FT			C6-00-4FT			C6-00-4FT			C6-01-8FT			C6-01-8FT		
	COLLECTION DATE: 6/11/2024					6/11/2024			6/11/2024			6/11/2024			6/12/2024			6/12/2024			6/12/2024			6/12/2024		
	SAMPLE DEPTH: 4					8			9			10			4			4			8			8		
	SAMPLE MATRIX: SOIL					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Lead, Total	63	400	400	1000	3900	804		4.68	18.8		5.48	-		-	-	-	-	17		11	-		-	174		5.16
Magnesium, Total	NA	NA	NA	NA	NA	6010		9.35	5090		11	-		-	-	-	-	1690		22	-		-	21500		10.3
Manganese, Total	1600	2000	2000	10000	10000	230		0.935	141		1.1	-		-	-	-	-	123		2.2	-		-	232		1.03
Mercury, Total	0.18	0.81	0.81	2.8	5.7	1.21		0.076	0.059	J	0.09	-		-	-	-	-	0.502		0.178	-		-	0.431		0.084
Nickel, Total	30	140	310	310	10000	11.5		2.34	35.7		2.74	36.5		3.16	13.9		2.42	9.15		5.51	-		-	8.17		2.58
Potassium, Total	NA	NA	NA	NA	NA	792		234	885		274	-		-	-	-	-	504	J	551	-		-	512		258
Selenium, Total	3.9	36	180	1500	6800	1.18	J	1.87	1.1	J	2.19	-		-	-	-	-	2.74	J	4.41	-		-	ND		2.06
Silver, Total	2	36	180	1500	6800	ND		0.468	ND		0.548	-		-	-	-	-	ND		1.1	-		-	ND		0.516
Sodium, Total	NA	NA	NA	NA	NA	856		187	1070		219	-		-	-	-	-	6180		441	-		-	970		206
Thallium, Total	NA	NA	NA	NA	NA	0.296	J	1.87	ND		2.19	-		-	-	-	-	ND		4.41	-		-	ND		2.06
Vanadium, Total	NA	NA	NA	NA	NA	19.9		0.935	21.9		1.1	-		-	-	-	-	7.45		2.2	-		-	13.4		1.03
Zinc, Total	109	2200	10000	10000	10000	401		4.68	84.7		5.48	-		-	-	-	-	18.6		11	-		-	143		5.16
GENERAL CHEMISTRY																										
Solids, Total	NA	NA	NA	NA	NA	82.7		0.1	71.1		0.1	60.3		0.1	80		0.1	35.1		0.1	-		-	74.7		0.1
Cyanide, Total	27	27	27	27	10000	ND		1.2	ND		1.3	-		-	-	-	-	1.3	J	2.8	-		-	ND		1.3
Chromium, Hexavalent	1	22	110	400	800	ND		0.967	ND		1.12	-		-	-	-	-	ND		2.28	-		-	-		-

TABLE 1

**Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program**



ANALYTE	SAMPLE ID: C6-02-9FT					C6-03-10FT			C9-01-6FT			C9-02-7FT			C9-03-8FT			C12-01-16FT			D8-01-7FT			D8-02-8FT			
	COLLECTION DATE: 6/12/2024					6/12/2024			5/31/2024			5/31/2024			5/31/2024			5/30/2024			6/12/2024			6/12/2024			
	SAMPLE DEPTH: 9					10			6			7			8			16			7			8			
	SAMPLE MATRIX: SOIL					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)																							
VOCs																											
Methylene chloride	0.05	51	100	500	1000	-	-	-	-	-	ND		0.0072	-	-	-	-	-	ND		0.0062	ND		0.0088	-	-	
1,1-Dichloroethane	0.27	19	26	240	480	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
Chloroform	0.37	10	49	350	700	-	-	-	-	-	ND		0.0022	-	-	-	-	-	ND		0.0019	ND		0.0026	-	-	
Carbon tetrachloride	0.76	1.4	2.4	22	44	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
1,2-Dichloropropane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
Dibromochloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
Tetrachloroethene	1.3	5.5	19	150	300	-	-	-	-	-	ND		0.00072	-	-	-	-	-	ND		0.00062	ND		0.00088	-	-	
Chlorobenzene	1.1	100	100	500	1000	-	-	-	-	-	ND		0.00072	-	-	-	-	-	ND		0.00062	ND		0.00088	-	-	
Trichlorofluoromethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0057	-	-	-	-	-	ND		0.005	ND		0.007	-	-	
1,2-Dichloroethane	0.02	2.3	3.1	30	60	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
1,1,1-Trichloroethane	0.68	100	100	500	1000	-	-	-	-	-	ND		0.00072	-	-	-	-	-	ND		0.00062	ND		0.00088	-	-	
Bromodichloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.00072	-	-	-	-	-	ND		0.00062	ND		0.00088	-	-	
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.00072	-	-	-	-	-	ND		0.00062	ND		0.00088	-	-	
Bromoform	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0057	-	-	-	-	-	ND		0.005	ND		0.007	-	-	
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.00072	-	-	-	-	-	ND		0.00062	ND		0.00088	-	-	
Benzene	0.06	2.9	4.8	44	89	-	-	-	-	-	ND		0.00072	-	-	-	-	-	ND		0.00062	ND		0.00088	-	-	
Toluene	0.7	100	100	500	1000	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
Ethylbenzene	1	30	41	390	780	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
Chloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0057	-	-	-	-	-	ND		0.005	ND		0.007	-	-	
Bromomethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
Vinyl chloride	0.02	0.21	0.9	13	27	-	-	-	-	-	0.00085	J	0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
Chloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
1,1-Dichloroethene	0.33	100	100	500	1000	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
trans-1,2-Dichloroethene	0.19	100	100	500	1000	-	-	-	-	-	ND		0.0022	-	-	-	-	-	ND		0.0019	ND		0.0026	-	-	
Trichloroethene	0.47	10	21	200	400	-	-	-	-	-	ND		0.00072	-	-	-	-	-	ND		0.00062	ND		0.00088	-	-	
1,2-Dichlorobenzene	1.1	100	100	500	1000	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
1,3-Dichlorobenzene	2.4	17	49	280	560	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
1,4-Dichlorobenzene	1.8	9.8	13	130	250	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
Methyl tert butyl ether	0.93	62	100	500	1000	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	0.00055	J	0.0035	-	-	
p/m-Xylene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
o-Xylene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
cis-1,2-Dichloroethene	0.25	59	100	500	1000	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
Styrene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
Dichlorodifluoromethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.014	-	-	-	-	-	ND		0.012	ND		0.018	-	-	
Acetone	0.05	100	100	500	1000	-	-	-	-	-	0.077		0.014	1	E	0.032	0.18	0.011	0.011	J	0.012	0.084		0.018	0.076	0.017	
Carbon disulfide	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.014	-	-	-	-	-	ND		0.012	ND		0.018	-	-	
2-Butanone	0.12	100	100	500	1000	-	-	-	-	-	0.017		0.014	-	-	-	-	-	ND		0.012	0.016	J	0.018	-	-	
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.014	-	-	-	-	-	ND		0.012	ND		0.018	-	-	
2-Hexanone	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.014	-	-	-	-	-	ND		0.012	ND		0.018	-	-	
Bromochloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
1,2-Dibromoethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0043	-	-	-	-	-	ND		0.0038	ND		0.0053	-	-	
Isopropylbenzene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0014	-	-	-	-	-	ND		0.0012	ND		0.0018	-	-	
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0029	-	-	-	-	-	ND		0.0025	ND		0.0035	-	-	
Methyl Acetate	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0057	-	-	-	-	-	ND		0.005	ND		0.007	-	-	
Cyclohexane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.014	-	-	-	-	-	ND		0.012	0.00097	J	0.018	-	-	
1,4-Dioxane	0.1	9.8	13	130	250	-	-	-	-	-	ND		0.11	-	-	-	-	-	ND		0.1	ND		0.14	-	-	
Freon-113	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0057	-	-	-	-	-	ND		0.005	ND		0.007	-	-	
Methyl cyclohexane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0057	-	-	-	-	-	ND		0.005	ND		0.007	-	-	
VOLATILE ORGANICS BY EPA 5035 HIGH																											
Acetone	0.05	100	100	500	1000	-	-	-	-	-	-	-	2.6	J	3	-	-	-	-	-	-	-	-	-	-	-	
PERFLUORINATED ALKYL ACIDS																											
PFBA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0008	-	-	-	-	-	ND		0.000787	ND		0.000797	-	-	
PFPeA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0004	-	-	-	-	-	ND		0.000394	ND		0.000398	-	-	
PFBS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
4:2FTS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0008	-	-	-	-	-	ND		0.000787	ND		0.000797	-	-	
PFHxA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
PFPeS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
PFHpA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
PFHxS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
PFOA	0.00066	0.0066	0.033	0.5	0.6	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
6:2FTS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0008	-	-	-	-	-	ND		0.000787	ND		0.000797	-	-	
PFHpS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
PFNA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
PFOS	0.00088	0.0088	0.044	0.44	0.44	-	-	-	-	-	ND		0.0002	-	-	-	-	-	ND		0.000197	ND		0.000199	-	-	
PFDA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-												

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID: C6-02-9FT					C6-03-10FT			C9-01-6FT			C9-02-7FT			C9-03-8FT			C12-01-16FT			D8-01-7FT			D8-02-8FT		
	COLLECTION DATE: 6/12/2024					6/12/2024			5/31/2024			5/31/2024			5/31/2024			5/30/2024			6/12/2024			6/12/2024		
	SAMPLE DEPTH: 9					10			6			7			8			16			7			8		
	SAMPLE MATRIX: SOIL					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
PFNS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
NMeFOSAA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
PFUnA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
PFDS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
PFOSA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
NEtFOSAA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
PFDoA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
PFTTrDA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
PFTeDA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
HFPO-DA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0008	-	-	-	ND		0.000787	ND		0.000797	-	-	-	
ADONA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0008	-	-	-	ND		0.000787	ND		0.000797	-	-	-	
PFDoS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
9Cl-PF3ONS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0008	-	-	-	ND		0.000787	ND		0.000797	-	-	-	
11Cl-PF3OUdS	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0008	-	-	-	ND		0.000787	ND		0.000797	-	-	-	
NMeFOSA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
NEtFOSA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0002	-	-	-	ND		0.000197	ND		0.000199	-	-	-	
NMeFOSE	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.002	-	-	-	ND		0.00197	ND		0.00199	-	-	-	
NEtFOSE	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.002	-	-	-	ND		0.00197	ND		0.00199	-	-	-	
PFMPA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0004	-	-	-	ND		0.000394	ND		0.000398	-	-	-	
PFMBA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0004	-	-	-	ND		0.000394	ND		0.000398	-	-	-	
PFEESA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0004	-	-	-	ND		0.000394	ND		0.000398	-	-	-	
NFDHA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.0004	-	-	-	ND		0.000394	ND		0.000398	-	-	-	
3:3FTCA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.001	-	-	-	ND		0.000984	ND		0.000996	-	-	-	
5:3FTCA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.005	-	-	-	ND		0.00492	ND		0.00498	-	-	-	
7:3FTCA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.005	-	-	-	ND		0.00492	ND		0.00498	-	-	-	
SVOCs																										
Acenaphthene	20	100	100	500	1000	-	-	-	-	-	ND		1.2	-	-	-	ND		0.16	ND		0.21	-	-	-	
Hexachlorobenzene	0.33	0.33	1.2	6	12	-	-	-	-	-	ND		0.92	-	-	-	ND		0.12	ND		0.15	-	-	-	
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.4	-	-	-	ND		0.17	ND		0.23	-	-	-	
2-Chloronaphthalene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Fluoranthene	100	100	100	500	1000	-	-	-	-	-	0.24	J	0.92	-	-	-	ND		0.12	ND		0.15	-	-	-	
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Bis(2-chloroisopropyl)ether	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.8	-	-	-	ND		0.23	ND		0.31	-	-	-	
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.6	-	-	-	ND		0.21	ND		0.28	-	-	-	
Hexachlorobutadiene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		4.4	-	-	-	ND		0.55	ND		0.74	-	-	-	
Hexachloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.2	-	-	-	ND		0.16	ND		0.21	-	-	-	
Isophorone	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.4	-	-	-	ND		0.17	ND		0.23	-	-	-	
Naphthalene	12	100	100	500	1000	-	-	-	-	-	0.39	J	1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Nitrobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.4	-	-	-	ND		0.17	ND		0.23	-	-	-	
NDPA/DPA	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.2	-	-	-	ND		0.16	ND		0.21	-	-	-	
n-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Butyl benzyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Di-n-butylphthalate	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Di-n-octylphthalate	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	ND		0.19	ND		0.26	-	-	-	
Diethyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-																

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID: C6-02-9FT					C6-03-10FT			C9-01-6FT			C9-02-7FT			C9-03-8FT			C12-01-16FT			D8-01-7FT			D8-02-8FT			
	COLLECTION DATE: 6/12/2024					6/12/2024			5/31/2024			5/31/2024			5/31/2024			5/30/2024			6/12/2024			6/12/2024			
	SAMPLE DEPTH: 9					10			6			7			8			16			7			8			
	SAMPLE MATRIX: SOIL					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	
2-Methylnaphthalene	NA	NA	NA	NA	NA	-	-	-	-	-	0.66	J	1.8	-	-	-	-	-	-	ND		0.23	ND		0.31	-	-
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
Acetophenone	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		0.92	-	-	-	-	-	-	ND		0.12	ND		0.15	-	-
p-Chloro-m-cresol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
2-Chlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
2,4-Dichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.4	-	-	-	-	-	-	ND		0.17	ND		0.23	-	-
2,4-Dimethylphenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
2-Nitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		3.3	-	-	-	-	-	-	ND		0.42	ND		0.56	-	-
4-Nitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		2.1	-	-	-	-	-	-	ND		0.27	ND		0.36	-	-
2,4-Dinitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		7.3	-	-	-	-	-	-	ND		0.93	ND		1.2	-	-
4,6-Dinitro-o-cresol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		4	-	-	-	-	-	-	ND		0.5	ND		0.67	-	-
Pentachlorophenol	0.8	2.4	6.7	6.7	55	-	-	-	-	-	ND		1.2	-	-	-	-	-	-	ND		0.16	ND		0.21	-	-
Phenol	0.33	100	100	500	1000	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
2-Methylphenol	0.33	100	100	500	1000	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
3-Methylphenol/4-Methylphenol	0.33	34	100	500	1000	-	-	-	-	-	0.33	J	2.2	0.24	J	0.7	-	-	-	ND		0.28	ND		0.37	-	-
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
Carbazole	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
Atrazine	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.2	-	-	-	-	-	-	ND		0.16	ND		0.21	-	-
Benzaldehyde	NA	NA	NA	NA	NA	-	-	-	-	-	0.74	J	2	-	-	-	-	-	-	ND		0.26	ND		0.34	-	-
Caprolactam	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	ND		1.5	-	-	-	-	-	-	ND		0.19	ND		0.26	-	-
1,4-Dioxane	0.1	9.8	13	130	250	-	-	-	-	-	ND		0.23	-	-	-	-	-	-	ND		0.029	ND		0.039	-	-
HERBICIDES																											
2,4,5-TP (Silvex)	3.8	58	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.254	-	-	
PESTICIDES																											
Delta-BHC	0.04	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
Lindane	0.1	0.28	1.3	9.2	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000984	-	-	
Alpha-BHC	0.02	0.097	0.48	3.4	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000984	-	-	
Beta-BHC	0.036	0.072	0.36	3	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
Heptachlor	0.042	0.42	2.1	15	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00118	-	-	
Aldrin	0.005	0.019	0.097	0.68	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
Heptachlor epoxide	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00443	-	-	
Endrin	0.014	2.2	11	89	410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000984	-	-	
Endrin aldehyde	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00295	-	-	
Endrin ketone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
Dieldrin	0.005	0.039	0.2	1.4	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00148	-	-	
4,4'-DDE	0.0033	1.8	8.9	62	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
4,4'-DDD	0.0033	2.6	13	92	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
4,4'-DDT	0.0033	1.7	7.9	47	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
Endosulfan I	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
Endosulfan II	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00236	-	-	
Endosulfan sulfate	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000984	-	-	
Methoxychlor	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00443	-	-	
Toxaphene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0443	-	-	
cis-Chlordane	0.094	0.91	4.2	24	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00295	-	-	
trans-Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00295	-	-	
Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0197	-	-	
POLYCHLORINATED BIPHENYLS																											
Aroclor 1016	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0742	-	-	
Aroclor 1221	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0742	-	-	
Aroclor 1232	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0742	-	-	
Aroclor 1242	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0742	-	-	
Aroclor 1248	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0742	-	-	
Aroclor 1254	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



SAMPLE ID: C6-02-9FT						C6-03-10FT			C9-01-6FT			C9-02-7FT			C9-03-8FT			C12-01-16FT			D8-01-7FT			D8-02-8FT					
COLLECTION DATE: 6/12/2024						6/12/2024			5/31/2024			5/31/2024			5/31/2024			5/30/2024			6/12/2024			6/12/2024					
SAMPLE DEPTH: 9						10			6			7			8			16			7			8					
SAMPLE MATRIX: SOIL						SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL					
NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																									
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL			
Lead, Total	63	400	400	1000	3900	186		4.89	41.3		13	2480		7.37	1060		11.1	15.2		5.15	7.52	J	9.22	16		5.89	-	-	
Magnesium, Total	NA	NA	NA	NA	NA	-		-	-	-	-	3750		14.7	-		-	-	-	-	49300		18.4	5590		11.8	-	-	
Manganese, Total	1600	2000	2000	10000	10000	-		-	-	-	-	296		1.47	-		-	-	-	-	126		1.84	172		1.18	-	-	
Mercury, Total	0.18	0.81	0.81	2.8	5.7	0.65		0.08	0.352		0.11	1.93		0.133	3.23		0.189	ND		0.085	0.055	J	0.076	ND		0.1	-	-	
Nickel, Total	30	140	310	310	10000	-		-	-		-	14.5		3.69	-		-	-		-	5.25		4.61	26.5		2.95	-	-	
Potassium, Total	NA	NA	NA	NA	NA	-		-	-	-	-	1430		369	-		-	-		-	536		461	995		295	-	-	
Selenium, Total	3.9	36	180	1500	6800	-		-	-	-	-	0.873	J	2.95	-		-	-		-	ND		3.69	0.392	J	2.36	-	-	
Silver, Total	2	36	180	1500	6800	-		-	-	-	-	0.822		0.737	-		-	-		-	ND		0.922	ND		0.589	-	-	
Sodium, Total	NA	NA	NA	NA	NA	-		-	-	-	-	2220		295	-		-	-		-	450		369	1130		236	-	-	
Thallium, Total	NA	NA	NA	NA	NA	-		-	-	-	-	ND		2.95	-		-	-		-	ND		3.69	ND		2.36	-	-	
Vanadium, Total	NA	NA	NA	NA	NA	-		-	-	-	-	14.7		1.47	-		-	-		-	5.76		1.84	22.9		1.18	-	-	
Zinc, Total	109	2200	10000	10000	10000	127		4.89	61.6		13	135		7.37	108		11.1	-		-	21		9.22	84.5		5.89	-	-	
GENERAL CHEMISTRY																													
Solids, Total	NA	NA	NA	NA	NA	78.5		0.1	57.8		0.1	53.4		0.1	34		0.1	74		0.1	83.3		0.1	63.8		0.1	76.2		0.1
Cyanide, Total	27	27	27	27	10000	-		-	-	-	-	1.6		1.7	-		-	-		-	ND		1.1	ND		1.5	-	-	
Chromium, Hexavalent	1	22	110	400	800	-		-	-	-	-	-		-	-		-	-		-	-		-	ND		1.25	-	-	

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID:					D15-01-17FT			D16-01-10FT			D16-04-15FT		
	COLLECTION DATE:					5/29/2024			5/28/2024			5/28/2024		
	SAMPLE DEPTH:					17			10			15		
	SAMPLE MATRIX:					SOIL			SOIL			SOIL		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI									
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	
VOCs														
Methylene chloride	0.05	51	100	500	1000	ND		0.003	ND		0.0044	ND		
1,1-Dichloroethane	0.27	19	26	240	480	ND		0.00059	ND		0.00088	ND		
Chloroform	0.37	10	49	350	700	ND		0.00089	ND		0.0013	ND		
Carbon tetrachloride	0.76	1.4	2.4	22	44	ND		0.00059	ND		0.00088	ND		
1,2-Dichloropropane	NA	NA	NA	NA	NA	ND		0.00059	ND		0.00088	ND		
Dibromochloromethane	NA	NA	NA	NA	NA	ND		0.00059	ND		0.00088	ND		
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	ND		0.00059	ND		0.00088	ND		
Tetrachloroethene	1.3	5.5	19	150	300	ND		0.0003	ND		0.00044	ND		
Chlorobenzene	1.1	100	100	500	1000	ND		0.0003	ND		0.00044	ND		
Trichlorofluoromethane	NA	NA	NA	NA	NA	ND		0.0024	ND		0.0035	ND		
1,2-Dichloroethane	0.02	2.3	3.1	30	60	ND		0.00059	ND		0.00088	ND		
1,1,1-Trichloroethane	0.68	100	100	500	1000	ND		0.0003	ND		0.00044	ND		
Bromodichloromethane	NA	NA	NA	NA	NA	ND		0.0003	ND		0.00044	ND		
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	ND		0.00059	ND		0.00088	ND		
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	ND		0.0003	ND		0.00044	ND		
Bromoform	NA	NA	NA	NA	NA	ND		0.0024	ND		0.0035	ND		
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	ND		0.0003	ND		0.00044	ND		
Benzene	0.06	2.9	4.8	44	89	0.00017	J	0.0003	ND		0.00044	ND		
Toluene	0.7	100	100	500	1000	0.00044	J	0.00059	ND		0.00088	ND		
Ethylbenzene	1	30	41	390	780	ND		0.00059	ND		0.00088	ND		
Chloromethane	NA	NA	NA	NA	NA	ND		0.0024	ND		0.0035	ND		
Bromomethane	NA	NA	NA	NA	NA	ND		0.0012	ND		0.0018	ND		
Vinyl chloride	0.02	0.21	0.9	13	27	ND		0.00059	ND		0.00088	ND		
Chloroethane	NA	NA	NA	NA	NA	ND		0.0012	ND		0.0018	ND		
1,1-Dichloroethene	0.33	100	100	500	1000	ND		0.00059	ND		0.00088	ND		
trans-1,2-Dichloroethene	0.19	100	100	500	1000	ND		0.00089	ND		0.0013	ND		
Trichloroethene	0.47	10	21	200	400	ND		0.0003	ND		0.00044	ND		
1,2-Dichlorobenzene	1.1	100	100	500	1000	ND		0.0012	ND		0.0018	ND		
1,3-Dichlorobenzene	2.4	17	49	280	560	ND		0.0012	ND		0.0018	ND		
1,4-Dichlorobenzene	1.8	9.8	13	130	250	ND		0.0012	ND		0.0018	ND		
Methyl tert butyl ether	0.93	62	100	500	1000	ND		0.0012	ND		0.0018	ND		
p/m-Xylene	NA	NA	NA	NA	NA	0.00052	J	0.0012	ND		0.0018	ND		
o-Xylene	NA	NA	NA	NA	NA	0.00041	J	0.00059	ND		0.00088	ND		
cis-1,2-Dichloroethene	0.25	59	100	500	1000	0.00015	J	0.00059	ND		0.00088	ND		
Styrene	NA	NA	NA	NA	NA	ND		0.00059	ND		0.00088	ND		
Dichlorodifluoromethane	NA	NA	NA	NA	NA	ND		0.0059	ND		0.0088	ND		
Acetone	0.05	100	100	500	1000	0.0082		0.0059	0.031		0.0088	0.069		
Carbon disulfide	NA	NA	NA	NA	NA	ND		0.0059	ND		0.0088	ND		
2-Butanone	0.12	100	100	500	1000	ND		0.0059	0.0064	J	0.0088	0.014	J	
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	ND		0.0059	ND		0.0088	ND		
2-Hexanone	NA	NA	NA	NA	NA	ND		0.0059	ND		0.0088	ND		
Bromochloromethane	NA	NA	NA	NA	NA	ND		0.0012	ND		0.0018	ND		
1,2-Dibromoethane	NA	NA	NA	NA	NA	ND		0.00059	ND		0.00088	ND		
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	ND		0.0018	ND		0.0026	ND		
Isopropylbenzene	NA	NA	NA	NA	NA	ND		0.00059	ND		0.00088	ND		
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	ND		0.0012	ND		0.0018	ND		
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	ND		0.0012	ND		0.0018	ND		
Methyl Acetate	NA	NA	NA	NA	NA	ND		0.0024	ND		0.0035	ND		
Cyclohexane	NA	NA	NA	NA	NA	ND		0.0059	ND		0.0088	ND		
1,4-Dioxane	0.1	9.8	13	130	250	ND		0.047	ND		0.07	ND		
Freon-113	NA	NA	NA	NA	NA	ND		0.0024	ND		0.0035	ND		
Methyl cyclohexane	NA	NA	NA	NA	NA	0.0004	J	0.0024	ND		0.0035	ND		
VOLATILE ORGANICS BY EPA 5035 HIGH														
Acetone	0.05	100	100	500	1000	-		-	-		-	-		
PERFLUORINATED ALKYL ACIDS														
PFBA	NA	NA	NA	NA	NA	0.00012	J	0.000777	ND		0.000771	ND		
PFPeA	NA	NA	NA	NA	NA	0.000068	J	0.000389	ND		0.000385	ND		
PFBS	NA	NA	NA	NA	NA	0.000126	J	0.000194	ND		0.000193	ND		
4:2FTS	NA	NA	NA	NA	NA	ND		0.000777	ND		0.000771	ND		
PFHxA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND		
PFPeS	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND		
PFHpA	NA	NA	NA	NA	NA	0.00003	J	0.000194	ND		0.000193	ND		
PFHxS	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND		
PFOA	0.00066	0.0066	0.033	0.5	0.6	0.000053	J	0.000194	ND		0.000193	ND		
6:2FTS	NA	NA	NA	NA	NA	ND		0.000777	ND		0.000771	ND		
PFHpS	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND		
PFNA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND		
PFOS	0.00088	0.0088	0.044	0.44	0.44	ND		0.000194	ND		0.000193	ND		
PFDA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND		
8:2FTS	NA	NA	NA	NA	NA	ND		0.000777	ND		0.000771	ND		

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:					D15-01-17FT 5/29/2024 17 SOIL			D16-01-10FT 5/28/2024 10 SOIL			D16-04-15FT 5/28/2024 15 SOIL	
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flag	RL	Result	Flag	RL	Result	Flag
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)								
PFNS	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
NMeFOSAA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
PFUnA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
PFDS	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
PFOSA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
NEtFOSAA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
PFDoA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
PFTTrDA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
PFTeDA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
HFPO-DA	NA	NA	NA	NA	NA	ND		0.000777	ND		0.000771	ND	
ADONA	NA	NA	NA	NA	NA	ND		0.000777	ND		0.000771	ND	
PFDoS	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
9Cl-PF3ONS	NA	NA	NA	NA	NA	ND		0.000777	ND		0.000771	ND	
11Cl-PF3OUdS	NA	NA	NA	NA	NA	ND		0.000777	ND		0.000771	ND	
NMeFOSA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
NEtFOSA	NA	NA	NA	NA	NA	ND		0.000194	ND		0.000193	ND	
NMeFOSE	NA	NA	NA	NA	NA	ND		0.00194	ND		0.00193	ND	
NEtFOSE	NA	NA	NA	NA	NA	ND		0.00194	ND		0.00193	ND	
PFMPA	NA	NA	NA	NA	NA	ND		0.000389	ND		0.000385	ND	
PFMBA	NA	NA	NA	NA	NA	0.000058	J	0.000389	ND		0.000385	ND	
PFEESA	NA	NA	NA	NA	NA	ND		0.000389	ND		0.000385	ND	
NFDHA	NA	NA	NA	NA	NA	ND		0.000389	ND		0.000385	ND	
3:3FTCA	NA	NA	NA	NA	NA	ND		0.000972	ND		0.000964	ND	
5:3FTCA	NA	NA	NA	NA	NA	ND		0.00486	ND		0.00482	ND	
7:3FTCA	NA	NA	NA	NA	NA	ND		0.00486	ND		0.00482	ND	
SVOCs													
Acenaphthene	20	100	100	500	1000	ND		0.14	ND		0.17	ND	
Hexachlorobenzene	0.33	0.33	1.2	6	12	ND		0.1	ND		0.12	ND	
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	ND		0.16	ND		0.19	ND	
2-Chloronaphthalene	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Fluoranthene	100	100	100	500	1000	ND		0.1	ND		0.12	ND	
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Bis(2-chloroisopropyl)ether	NA	NA	NA	NA	NA	ND		0.21	ND		0.25	ND	
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	ND		0.19	ND		0.22	ND	
Hexachlorobutadiene	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	ND		0.5	ND		0.6	ND	
Hexachloroethane	NA	NA	NA	NA	NA	ND		0.14	ND		0.17	ND	
Isophorone	NA	NA	NA	NA	NA	ND		0.16	ND		0.19	ND	
Naphthalene	12	100	100	500	1000	ND		0.18	ND		0.21	ND	
Nitrobenzene	NA	NA	NA	NA	NA	ND		0.16	ND		0.19	ND	
NDPA/DPA	NA	NA	NA	NA	NA	ND		0.14	ND		0.17	ND	
n-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Butyl benzyl phthalate	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Di-n-butylphthalate	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Di-n-octylphthalate	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Diethyl phthalate	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Dimethyl phthalate	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Benzo(a)anthracene	1	1	1	5.6	11	ND		0.1	ND		0.12	ND	
Benzo(a)pyrene	1	1	1	1	1.1	ND		0.14	ND		0.17	ND	
Benzo(b)fluoranthene	1	1	1	5.6	11	ND		0.1	ND		0.12	ND	
Benzo(k)fluoranthene	0.8	1	3.9	56	110	ND		0.1	ND		0.12	ND	
Chrysene	1	1	3.9	56	110	ND		0.1	ND		0.12	ND	
Acenaphthylene	100	100	100	500	1000	ND		0.14	ND		0.17	ND	
Anthracene	100	100	100	500	1000	ND		0.1	ND		0.12	ND	
Benzo(ghi)perylene	100	100	100	500	1000	ND		0.14	ND		0.17	ND	
Fluorene	30	100	100	500	1000	ND		0.18	ND		0.21	ND	
Phenanthrene	100	100	100	500	1000	ND		0.1	ND		0.12	ND	
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1.1	ND		0.1	ND		0.12	ND	
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	11	ND		0.14	ND		0.17	ND	
Pyrene	100	100	100	500	1000	ND		0.1	ND		0.12	ND	
Biphenyl	NA	NA	NA	NA	NA	ND		0.4	ND		0.48	ND	
4-Chloroaniline	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
2-Nitroaniline	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
3-Nitroaniline	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
4-Nitroaniline	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Dibenzofuran	7	14	59	350	1000	ND		0.18	ND		0.21	ND	

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



ANALYTE	SAMPLE ID: COLLECTION DATE: SAMPLE DEPTH: SAMPLE MATRIX:					D15-01-17FT 5/29/2024 17 SOIL			D16-01-10FT 5/28/2024 10 SOIL			D16-04-15FT 5/28/2024 15 SOIL	
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)								
2-Methylnaphthalene	NA	NA	NA	NA	NA	ND		0.21	ND		0.25	ND	
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Acetophenone	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	ND		0.1	ND		0.12	ND	
p-Chloro-m-cresol	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
2-Chlorophenol	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	ND		0.16	ND		0.19	ND	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
2-Nitrophenol	NA	NA	NA	NA	NA	ND		0.38	ND		0.45	ND	
4-Nitrophenol	NA	NA	NA	NA	NA	ND		0.24	ND		0.29	ND	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	ND		0.84	ND		1	ND	
4,6-Dinitro-o-cresol	NA	NA	NA	NA	NA	ND		0.46	ND		0.54	ND	
Pentachlorophenol	0.8	2.4	6.7	6.7	55	ND		0.14	ND		0.17	ND	
Phenol	0.33	100	100	500	1000	ND		0.18	ND		0.21	ND	
2-Methylphenol	0.33	100	100	500	1000	ND		0.18	ND		0.21	ND	
3-Methylphenol/4-Methylphenol	0.33	34	100	500	1000	ND		0.25	ND		0.3	ND	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Carbazole	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
Atrazine	NA	NA	NA	NA	NA	ND		0.14	ND		0.17	ND	
Benzaldehyde	NA	NA	NA	NA	NA	ND		0.23	ND		0.28	ND	
Caprolactam	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	ND		0.18	ND		0.21	ND	
1,4-Dioxane	0.1	9.8	13	130	250	ND		0.026	ND		0.031	ND	
HERBICIDES													
2,4,5-TP (Silvex)	3.8	58	100	500	1000	-		-	-		-	ND	
PESTICIDES													
Delta-BHC	0.04	100	100	500	1000	-		-	-		-	ND	
Lindane	0.1	0.28	1.3	9.2	23	-		-	-		-	ND	
Alpha-BHC	0.02	0.097	0.48	3.4	6.8	-		-	-		-	ND	
Beta-BHC	0.036	0.072	0.36	3	14	-		-	-		-	ND	
Heptachlor	0.042	0.42	2.1	15	29	-		-	-		-	ND	
Aldrin	0.005	0.019	0.097	0.68	1.4	-		-	-		-	ND	
Heptachlor epoxide	NA	NA	NA	NA	NA	-		-	-		-	ND	
Endrin	0.014	2.2	11	89	410	-		-	-		-	ND	
Endrin aldehyde	NA	NA	NA	NA	NA	-		-	-		-	ND	
Endrin ketone	NA	NA	NA	NA	NA	-		-	-		-	ND	
Dieldrin	0.005	0.039	0.2	1.4	2.8	-		-	-		-	ND	
4,4'-DDE	0.0033	1.8	8.9	62	120	-		-	-		-	ND	
4,4'-DDD	0.0033	2.6	13	92	180	-		-	-		-	ND	
4,4'-DDT	0.0033	1.7	7.9	47	94	-		-	-		-	ND	
Endosulfan I	2.4	4.8	24	200	920	-		-	-		-	ND	
Endosulfan II	2.4	4.8	24	200	920	-		-	-		-	ND	
Endosulfan sulfate	2.4	4.8	24	200	920	-		-	-		-	ND	
Methoxychlor	NA	NA	NA	NA	NA	-		-	-		-	ND	
Toxaphene	NA	NA	NA	NA	NA	-		-	-		-	ND	
cis-Chlordane	0.094	0.91	4.2	24	47	-		-	-		-	ND	
trans-Chlordane	NA	NA	NA	NA	NA	-		-	-		-	ND	
Chlordane	NA	NA	NA	NA	NA	-		-	-		-	ND	
POLYCHLORINATED BIPHENYLS													
Aroclor 1016	0.1	1	1	1	25	-		-	-		-	ND	
Aroclor 1221	0.1	1	1	1	25	-		-	-		-	ND	
Aroclor 1232	0.1	1	1	1	25	-		-	-		-	ND	
Aroclor 1242	0.1	1	1	1	25	-		-	-		-	ND	
Aroclor 1248	0.1	1	1	1	25	-		-	-		-	ND	
Aroclor 1254	0.1	1	1	1	25	-		-	-		-	ND	
Aroclor 1260	0.1	1	1	1	25	-		-	-		-	ND	
Aroclor 1262	0.1	1	1	1	25	-		-	-		-	ND	
Aroclor 1268	0.1	1	1	1	25	-		-	-		-	ND	
PCBs, Total	0.1	1	1	1	25	-		-	-		-	ND	
METALS													
Aluminum, Total	NA	NA	NA	NA	NA	2630		8.4	8220		9.71	6420	
Antimony, Total	NA	NA	NA	NA	NA	ND		4.2	ND		4.85	ND	
Arsenic, Total	13	16	16	16	16	1.43		0.84	1.46		0.971	3.76	
Barium, Total	350	350	400	400	10000	24.7		0.84	38.4		0.971	73.3	
Beryllium, Total	7.2	14	72	590	2700	0.142	J	0.42	0.452	J	0.485	0.321	J
Cadmium, Total	2.5	2.5	4.3	9.3	60	0.104	J	0.84	0.111	J	0.971	0.213	J
Calcium, Total	NA	NA	NA	NA	NA	20200		8.4	1450		9.71	8310	
Chromium, Total	30	36	180	1500	6800	4.74		0.84	13.1		0.971	10.6	
Cobalt, Total	NA	NA	NA	NA	NA	2.32		1.68	7.86		1.94	6.78	
Copper, Total	50	270	270	270	10000	6.07		0.84	22.3		0.971	15.1	
Iron, Total	NA	NA	NA	NA	NA	5130		4.2	14000		4.85	12000	

TABLE 1

Original Sub-surface Soil Confirmatory Results
Marine Drive Apartments East
Brownfield Cleanup Program



SAMPLE ID:						D15-01-17FT			D16-01-10FT			D16-04-15FT	
COLLECTION DATE:						5/29/2024			5/28/2024			5/28/2024	
SAMPLE DEPTH:						17			10			15	
SAMPLE MATRIX:						SOIL			SOIL			SOIL	
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI								
ANALYTE	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg
Lead, Total	63	400	400	1000	3900	5.32		4.2	13.3		4.85	9.21	
Magnesium, Total	NA	NA	NA	NA	NA	12100		8.4	3310		9.71	6000	
Manganese, Total	1600	2000	2000	10000	10000	112		0.84	97.6		0.971	116	
Mercury, Total	0.18	0.81	0.81	2.8	5.7	ND		0.072	ND		0.081	ND	
Nickel, Total	30	140	310	310	10000	5.76		2.1	22.1		2.43	15.8	
Potassium, Total	NA	NA	NA	NA	NA	321		210	578		243	600	
Selenium, Total	3.9	36	180	1500	6800	ND		1.68	ND		1.94	ND	
Silver, Total	2	36	180	1500	6800	ND		0.42	ND		0.485	ND	
Sodium, Total	NA	NA	NA	NA	NA	486		168	625		194	1180	
Thallium, Total	NA	NA	NA	NA	NA	ND		1.68	0.365	J	1.94	ND	
Vanadium, Total	NA	NA	NA	NA	NA	7.05		0.84	16		0.971	17.4	
Zinc, Total	109	2200	10000	10000	10000	21.4		4.2	64.2		4.85	52.1	
GENERAL CHEMISTRY													
Solids, Total	NA	NA	NA	NA	NA	92.4		0.1	78.5		0.1	54.2	
Cyanide, Total	27	27	27	27	10000	ND		1	ND		1.2	ND	
Chromium, Hexavalent	1	22	110	400	800	-		-	-		-	ND	

NY-UNRES	New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR	New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESRR	New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESC	New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESI	New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

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.

ND - Not Detected: Analyte concentration is below the RL.

NA - Not Applicable

NI - Not Ignitable

- Parameter not analyzed

Qualifier Key

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 Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.

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.

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

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.)

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.)

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

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.

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

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

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

RE - Analytical results are from sample re-extraction.

R - Analytical results are from sample re-analysis.

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

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

U - Not detected at the reported detection limit for the sample.

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

S - Analytical results are from modified screening analysis.

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).

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					A1-01-7FT			A1-02-7.5FT			A1-03-8FT			B3-01-8FT			B3-02-8.5FT			B3-03-9FT			B3-04-9.5FT			B9-01-12FT			B12-01-10FT		
	SAMPLE DATE					4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025					
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL					
	SAMPLE DEPTH					7 FT			7.5 FT			8 FT			8 FT			8.5 FT			9 FT			9.5 FT			12 FT			10 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
VOCs																																
Methylene chloride	0.05	51	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0072
1,1-Dichloroethane	0.27	19	26	240	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
Chloroform	0.37	10	49	350	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0022
Carbon tetrachloride	0.76	1.4	2.4	22	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
1,2-Dichloropropane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
Dibromochloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
Tetrachloroethene	1.3	5.5	19	150	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00072
Chlorobenzene	1.1	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00072
Trichlorofluoromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0058
1,2-Dichloroethane	0.02	2.3	3.1	30	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
1,1,1-Trichloroethane	0.68	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00072
Bromodichloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00072
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00072
Bromoform	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0058
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00072
Benzene	0.06	2.9	4.8	44	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00072
Toluene	0.7	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
Ethylbenzene	1	30	41	390	780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
Chloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0058
Bromomethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
Vinyl chloride	0.02	0.21	0.9	13	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
Chloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
1,1-Dichloroethene	0.33	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
trans-1,2-Dichloroethene	0.19	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0022
Trichloroethene	0.47	10	21	200	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00072
1,2-Dichlorobenzene	1.1	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
1,3-Dichlorobenzene	2.4	17	49	280	560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
1,4-Dichlorobenzene	1.8	9.8	13	130	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
Methyl tert butyl ether	0.93	62	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
p/m-Xylene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
o-Xylene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
cis-1,2-Dichloroethene	0.25	59	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
Styrene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
Dichlorodifluoromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.014
Acetone	0.05	100	100	500	1000	0.23	0.016	0.091	0.015	0.022	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.058	0.014	
Carbon disulfide	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.014
2-Butanone	0.12	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0087	J	0.014
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.014
2-Hexanone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.014
Bromochloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
1,2-Dibromoethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0043
Isopropylbenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0014
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0029
Methyl Acetate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0058
Cyclohexane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.014
1,4-Dioxane	0.1	9.8	13	130	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.12
Freon-113	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0058
Methyl cyclohexane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0058
SVOCs																																
Acenaphthene	20	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.19
Hexachlorobenzene	0.33	0.33	1.2	6	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.14
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.22
2-Chloronaphthalene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.24
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.24
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.24
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.24
Fluoranthene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	0.14	
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	-	-																									

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					A1-01-7FT			A1-02-7.5FT			A1-03-8FT			B3-01-8FT			B3-02-8.5FT			B3-03-9FT			B3-04-9.5FT			B9-01-12FT			B12-01-10FT		
	SAMPLE DATE					4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025					
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL					
	SAMPLE DEPTH					7 FT			7.5 FT			8 FT			8 FT			8.5 FT			9 FT			9.5 FT			12 FT			10 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																											
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	
Nitrobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.22
NDPA/DPA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.19
n-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Butyl benzyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Di-n-butylphthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Di-n-octylphthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Diethyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Dimethyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Benzo(a)anthracene	1	1	1	5.6	11	-	-	-	-	-	-	-	-	12		1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	J	0.14
Benzo(a)pyrene	1	1	1	1	1.1	-	-	-	-	-	-	-	-	9.3		1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	J	0.19
Benzo(b)fluoranthene	1	1	1	5.6	11	-	-	-	-	-	-	-	-	11		1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15		0.14
Benzo(k)fluoranthene	0.8	1	3.9	56	110	-	-	-	-	-	-	-	-	3.2		1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.057	J	0.14
Chrysene	1	1	3.9	56	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	J	0.14
Acenaphthylene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.19
Anthracene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.048	J	0.14
Benzo(ghi)perylene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.078	J	0.19
Fluorene	30	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Phenanthrene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24		0.14
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1.1	-	-	-	-	-	-	-	-	0.95	J	1.2	0.95	0.12	4.4	2.6	ND	0.14	-	-	-	-	-	-	-	ND		0.14
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	11	-	-	-	-	-	-	-	-	3		1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	0.058	J	0.19
Pyrene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29		0.14
Biphenyl	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.55
4-Chloroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
2-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
3-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
4-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Dibenzofuran	7	14	59	350	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.028	J	0.24
2-Methylnaphthalene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.29
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
Acetophenone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.14
p-Chloro-m-cresol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
2-Chlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
2,4-Dichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.22
2,4-Dimethylphenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
2-Nitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.52
4-Nitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.34
2,4-Dinitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		1.2
4,6-Dinitro-o-cresol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.63
Pentachlorophenol	0.8	2.4	6.7	6.7	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.19
Phenol	0.33	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.24
2-Methylphenol	0.33	100	100	500	1000																											

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					A1-01-7FT			A1-02-7.5FT			A1-03-8FT			B3-01-8FT			B3-02-8.5FT			B3-03-9FT			B3-04-9.5FT			B9-01-12FT			B12-01-10FT						
	SAMPLE DATE					4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025									
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL									
	SAMPLE DEPTH					7 FT			7.5 FT			8 FT			8 FT			8.5 FT			9 FT			9.5 FT			12 FT			10 FT						
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL				
Endrin aldehyde	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00284			
Endrin ketone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00227		
Dieldrin	0.005	0.039	0.2	1.4	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00142		
4,4'-DDE	0.0033	1.8	8.9	62	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00227		
4,4'-DDD	0.0033	2.6	13	92	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00227		
4,4'-DDT	0.0033	1.7	7.9	47	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00188	J	0.00227		
Endosulfan I	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00227		
Endosulfan II	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00227		
Endosulfan sulfate	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000946		
Methoxychlor	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00426		
Toxaphene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0426		
cis-Chlordane	0.094	0.91	4.2	24	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00284		
trans-Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.00284		
Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.0189		
METALS																																				
Aluminum, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9680		11.4		
Antimony, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		5.72		
Arsenic, Total	13	16	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.721	J	1.14		
Barium, Total	350	350	400	400	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67.3		1.14		
Beryllium, Total	7.2	14	72	590	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.616		0.572		
Cadmium, Total	2.5	2.5	4.3	9.3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.228	J	1.14		
Calcium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3120		11.4		
Chromium, Total	30	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.15	1.79	14.6		1.14
Cobalt, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.83		2.29		
Copper, Total	50	270	270	270	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22		1.14		
Iron, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14200		5.72		
Lead, Total	63	400	400	1000	3900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.3		5.72		
Magnesium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4130		11.4		
Manganese, Total	1600	2000	2000	10000	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122		1.14		
Mercury, Total	0.18	0.81	0.81	2.8	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.121		
Nickel, Total	30	140	310	310	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.3		2.86		
Potassium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	773		286		
Selenium, Total	3.9	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.436	J	2.29		
Silver, Total	2	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.572		
Sodium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	644		229		
Thallium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		2.29		
Vanadium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.8		1.14		
Zinc, Total	109	2200	10000	10000	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73.1		5.72		
PFAS																																				
PFBA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000796		
PFPeA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000398		
PFBS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
4:2FTS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000796		
PFHxA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFPeS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFHpA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFHxS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFOA	0.00066	0.0066	0.033	0.5	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
6:2FTS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000796		
PFHpS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFNA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFOS	0.00088	0.0088	0.044	0.44	0.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFDA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
8:2FTS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000796		
PFNS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
NMeFOSAA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFUnA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFDS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND		0.000199		
PFOSA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-</											

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					A1-01-7FT			A1-02-7.5FT			A1-03-8FT			B3-01-8FT			B3-02-8.5FT			B3-03-9FT			B3-04-9.5FT			B9-01-12FT			B12-01-10FT		
	SAMPLE DATE					4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025		
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	SAMPLE DEPTH					7 FT			7.5 FT			8 FT			8 FT			8.5 FT			9 FT			9.5 FT			12 FT			10 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																											
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	
NETFOSE	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.00199	
PFMPA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.000398	
PFMBA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.000398	
PFEESA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.000398	
NFDHA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.000398	
3:3FTCA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.000996	
5:3FTCA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.00498	
7:3FTCA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	0.00498	

Table 2

**Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York**



ANALYTE	LOCATION					B12-02-11FT			C6-01-10FT			C7-01-8FT			C7-02-8.5FT			C7-03-9FT			C9-01-8FT			C9-02			C12-01			C12-02		
	SAMPLE DATE					4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/11/2025			4/11/2025					
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL					
	SAMPLE DEPTH					11 FT			10 FT			8 FT			8.5 FT			9 FT			8 FT			8.5 FT			5 FT			6 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL			
VOCs																																
Methylene chloride	0.05	51	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0067	-	-			
1,1-Dichloroethane	0.27	19	26	240	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
Chloroform	0.37	10	49	350	700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.002	-	-			
Carbon tetrachloride	0.76	1.4	2.4	22	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
1,2-Dichloropropane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
Dibromochloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
Tetrachloroethene	1.3	5.5	19	150	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00067	-	-			
Chlorobenzene	1.1	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00067	-	-			
Trichlorofluoromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0053	-	-			
1,2-Dichloroethane	0.02	2.3	3.1	30	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
1,1,1-Trichloroethane	0.68	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00067	-	-			
Bromodichloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00067	-	-			
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00067	-	-			
Bromoform	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0053	-	-			
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00067	-	-			
Benzene	0.06	2.9	4.8	44	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.00067	-	-			
Toluene	0.7	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
Ethylbenzene	1	30	41	390	780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
Chloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0053	-	-			
Bromomethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0027	-	-			
Vinyl chloride	0.02	0.21	0.9	13	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
Chloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0027	-	-			
1,1-Dichloroethene	0.33	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
trans-1,2-Dichloroethene	0.19	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.002	-	-			
Trichloroethene	0.47	10	21	200	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0007	0.00067	-	-	-			
1,2-Dichlorobenzene	1.1	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0027	-	-			
1,3-Dichlorobenzene	2.4	17	49	280	560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0027	-	-			
1,4-Dichlorobenzene	1.8	9.8	13	130	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0027	-	-			
Methyl tert butyl ether	0.93	62	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0027	-	-			
p/m-Xylene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0027	-	-			
o-Xylene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
cis-1,2-Dichloroethene	0.25	59	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
Styrene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-			
Dichlorodifluoromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.013	-	-			
Acetone	0.05	100	100	500	1000	0.017	-	0.016	-	-	-	-	-	-	-	-	-	ND	0.013	-	0.45	-	0.056	-	0.039	-	0.015	0.013	-	-		
Carbon disulfide	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-													

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					B12-02-11FT			C6-01-10FT			C7-01-8FT			C7-02-8.5FT			C7-03-9FT			C9-01-8FT			C9-02			C12-01			C12-02		
	SAMPLE DATE					4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/11/2025			4/11/2025		
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	SAMPLE DEPTH					11 FT			10 FT			8 FT			8.5 FT			9 FT			8 FT			8.5 FT			5 FT			6 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Nitrobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NDPA/DPA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
n-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Butyl benzyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Di-n-butylphthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Di-n-octylphthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diethyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dimethyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)anthracene	1	1	1	5.6	11	-	-	-	0.2		0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene	1	1	1	1	1.1	-	-	-	0.17	J	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b)fluoranthene	1	1	1	5.6	11	-	-	-	0.22		0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	0.8	1	3.9	56	110	-	-	-	0.076	J	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	1	1	3.9	56	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthylene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anthracene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(ghi)perylene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	30	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1.1	-	-	-	0.037	J	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	11	-	-	-	0.13	J	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Biphenyl	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Chloroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenzofuran	7	14	59	350	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methylnaphthalene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acetophenone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
p-Chloro-m-cresol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Chlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Nitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,6-Dinitro-o-cresol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol	0.8	2.4	6.7	6.7	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenol	0.33	100	100	500	1000	-	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methylphenol	0.33	100	100	500	1000	-	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3-Methylphenol/4-Methylphenol	0.33	34	100	500	1000	-	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Carbazole	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atrazine	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzaldehyde	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Caprolactam	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,3,4,6-Tetrachlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,4-Dioxane	0.1	9.8	13	130	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PCBS																																
Aroclor 1016	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aroclor 1221	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aroclor 1232	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aroclor 1242	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aroclor 1248	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aroclor 1254	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aroclor 1260	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aroclor 1262	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aroclor 1268	0.1	1	1	1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					B12-02-11FT			C6-01-10FT			C7-01-8FT			C7-02-8.5FT			C7-03-9FT			C9-01-8FT			C9-02			C12-01			C12-02		
	SAMPLE DATE					4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/11/2025			4/11/2025					
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL					
	SAMPLE DEPTH					11 FT			10 FT			8 FT			8.5 FT			9 FT			8 FT			8.5 FT			5 FT			6 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flag	RL	Result	Flag	RL	Result	Flag	RL	Result	Flag	RL	Result	Flag	RL	Result	Flag	RL	Result	Flag	RL	Result	Flag	RL	Result	Flag	RL
Endrin aldehyde	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endrin ketone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dieldrin	0.005	0.039	0.2	1.4	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,4'-DDE	0.0033	1.8	8.9	62	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,4'-DDD	0.0033	2.6	13	92	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,4'-DDT	0.0033	1.7	7.9	47	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan I	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan II	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Endosulfan sulfate	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Methoxychlor	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Toxaphene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
cis-Chlordane	0.094	0.91	4.2	24	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
trans-Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METALS																																
Aluminum, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4330	10.4	-	-	-	-	-	
Antimony, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	5.2	-	-	-	-	-	
Arsenic, Total	13	16	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.5	1.04	2.57	1.83	-	-	-	
Barium, Total	350	350	400	400	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	141	1.04	-	-	-	-	-	
Beryllium, Total	7.2	14	72	590	2700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.374	J	0.52	-	-	-	-	
Cadmium, Total	2.5	2.5	4.3	9.3	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.248	J	1.04	-	-	-	-	
Calcium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28700	10.4	-	-	-	-	-	
Chromium, Total	30	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.67	1.04	-	-	-	-	-	
Cobalt, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.46	2.08	-	-	-	-	-	
Copper, Total	50	270	270	270	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	168	1.04	28.8	1.83	-	-	-	
Iron, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18100	5.2	-	-	-	-	-	
Lead, Total	63	400	400	1000	3900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	314	5.2	213	9.17	-	-	-	
Magnesium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9870	10.4	-	-	-	-	-	
Manganese, Total	1600	2000	2000	10000	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	222	1.04	-	-	-	-	-	
Mercury, Total	0.18	0.81	0.81	2.8	5.7	-	-	ND	0.111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.32	0.172	0.849	0.178	-	-	-	
Nickel, Total	30	140	310	310	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.5	2.6	-	-	-	-	-	
Potassium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	562	260	-	-	-	-	-	
Selenium, Total	3.9	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.44	J	2.08	-	-	-	-	
Silver, Total	2	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.72	0.52	ND	0.917	-	-	-	
Sodium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1420	208	-	-	-	-	-	
Thallium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	2.08	-	-	-	-	-	
Vanadium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.9	1.04	-	-	-	-	-	
Zinc, Total	109	2200	10000	10000	10000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	167	5.2	42.5	9.17	-	-	-	
PFAS																																
PFBA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000798	-	-	-	-	-	
PFPeA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000399	-	-	-	-	-	
PFBS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.0002	-	-	-	-	-	
4:2FTS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000798	-	-	-	-	-	
PFHxA	NA	NA	NA																													

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					B12-02-11FT			C6-01-10FT			C7-01-8FT			C7-02-8.5FT			C7-03-9FT			C9-01-8FT			C9-02			C12-01			C12-02		
	SAMPLE DATE					4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/10/2025			4/11/2025			4/11/2025		
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	SAMPLE DEPTH					11 FT			10 FT			8 FT			8.5 FT			9 FT			8 FT			8.5 FT			5 FT			6 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																											
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
NetFOSE	NA	NA	NA	NA	NA	-		-	-		-	-		-	-		-	-		-		-	-		-		ND		0.002	-		-
PFMPA	NA	NA	NA	NA	NA	-		-	-		-	-		-	-		-	-		-		-	-		-		ND		0.000399	-		-
PFMBA	NA	NA	NA	NA	NA	-		-	-		-	-		-	-		-	-		-		-	-		-		ND		0.000399	-		-
PFEESA	NA	NA	NA	NA	NA	-		-	-		-	-		-	-		-	-		-		-	-		-		ND		0.000399	-		-
NFDHA	NA	NA	NA	NA	NA	-		-	-		-	-		-	-		-	-		-		-	-		-		ND		0.000399	-		-
3:3FTCA	NA	NA	NA	NA	NA	-		-	-		-	-		-	-		-	-		-		-	-		-		ND		0.000998	-		-
5:3FTCA	NA	NA	NA	NA	NA	-		-	-		-	-		-	-		-	-		-		-	-		-		ND		0.00499	-		-
7:3FTCA	NA	NA	NA	NA	NA	-		-	-		-	-		-	-		-	-		-		-	-		-		ND		0.00499	-		-

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					C12-03			D8-01			D8-02			D8-03			D15-02			D15-03			D16-01			
	SAMPLE DATE					4/11/2025			4/10/2025			4/10/2025			4/10/2025			4/11/2025			4/11/2025			4/11/2025			
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			
	SAMPLE DEPTH					7 FT			8 FT			8.5 FT			9 FT			9 FT			10 FT			15 FT			
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	
VOCs																											
Methylene chloride	0.05	51	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.0065	-	-	-	-	-	-	-		
1,1-Dichloroethane	0.27	19	26	240	480	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
Chloroform	0.37	10	49	350	700	-	-	-	-	-	-	-	-	-	-	-	ND	0.002	-	-	-	-	-	-	-		
Carbon tetrachloride	0.76	1.4	2.4	22	44	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
1,2-Dichloropropane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
Dibromochloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
Tetrachloroethene	1.3	5.5	19	150	300	-	-	-	-	-	-	-	-	-	-	-	ND	0.00065	-	-	-	-	-	-	-		
Chlorobenzene	1.1	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.00065	-	-	-	-	-	-	-		
Trichlorofluoromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0052	-	-	-	-	-	-	-		
1,2-Dichloroethane	0.02	2.3	3.1	30	60	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
1,1,1-Trichloroethane	0.68	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.00065	-	-	-	-	-	-	-		
Bromodichloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.00065	-	-	-	-	-	-	-		
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.00065	-	-	-	-	-	-	-		
Bromoform	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0052	-	-	-	-	-	-	-		
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.00065	-	-	-	-	-	-	-		
Benzene	0.06	2.9	4.8	44	89	-	-	-	-	-	-	-	-	-	-	-	ND	0.00065	-	-	-	-	-	-	-		
Toluene	0.7	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
Ethylbenzene	1	30	41	390	780	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
Chloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0052	-	-	-	-	-	-	-		
Bromomethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
Vinyl chloride	0.02	0.21	0.9	13	27	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
Chloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
1,1-Dichloroethene	0.33	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
trans-1,2-Dichloroethene	0.19	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.002	-	-	-	-	-	-	-		
Trichloroethene	0.47	10	21	200	400	-	-	-	-	-	-	-	-	-	-	-	ND	0.00065	-	-	-	-	-	-	-		
1,2-Dichlorobenzene	1.1	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
1,3-Dichlorobenzene	2.4	17	49	280	560	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
1,4-Dichlorobenzene	1.8	9.8	13	130	250	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
Methyl tert butyl ether	0.93	62	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
p/m-Xylene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
o-Xylene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
cis-1,2-Dichloroethene	0.25	59	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
Styrene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
Dichlorodifluoromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.013	-	-	-	-	-	-	-		
Acetone	0.05	100	100	500	1000	-	-	0.12	0.018	0.066	0.018	0.016	0.015	ND	0.013	-	0.042	0.015	-	-	-	-	-	-	-		
Carbon disulfide	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.013	-	-	-	-	-	-	-		
2-Butanone	0.12	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	ND	0.013	-	-	-	-	-	-	-		
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.013	-	-	-	-	-	-	-		
2-Hexanone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.013	-	-	-	-	-	-	-		
Bromochloromethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
1,2-Dibromoethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0039	-	-	-	-	-	-	-		
Isopropylbenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0013	-	-	-	-	-	-	-		
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0026	-	-	-	-	-	-	-		
Methyl Acetate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0052	-	-	-	-	-	-	-		
Cyclohexane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.013	-	-	-	-	-	-	-		
1,4-Dioxane	0.1	9.8	13	130	250	-	-	-	-	-	-	-	-	-	-	-	ND	0.1	-	-	-	-	-	-	-		
Freon-113	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0052	-	-	-	-	-	-	-		
Methyl cyclohexane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	ND	0.0052	-	-	-	-	-	-	-		
SVOCs																											
Acenaphthene	20	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hexachlorobenzene	0.33	0.33	1.2	6	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2-Chloronaphthalene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fluoranthene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Bis(2-chloroisopropyl)ether	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hexachlorobutadiene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hexachloroethane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Isophorone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Naphthalene	12	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					C12-03			D8-01			D8-02			D8-03			D15-02			D15-03			D16-01		
	SAMPLE DATE					4/11/2025			4/10/2025			4/10/2025			4/10/2025			4/11/2025			4/11/2025			4/11/2025		
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	SAMPLE DEPTH					7 FT			8 FT			8.5 FT			9 FT			9 FT			10 FT			15 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Nitrobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NDPA/DPA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
n-Nitrosodi-n-propylamine	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bis(2-ethylhexyl)phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Butyl benzyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Di-n-butylphthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Di-n-octylphthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diethyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dimethyl phthalate	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)anthracene	1	1	1	5.6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene	1	1	1	1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b)fluoranthene	1	1	1	5.6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	0.8	1	3.9	56	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	1	1	3.9	56	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthylene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anthracene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(ghi)perylene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	30	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	RL	-	-	-	
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	100	100	100	500	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Biphenyl	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Chloroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitroaniline	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenzofuran	7	14	59	350	1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methylnaphthalene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acetophenone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
p-Chloro-m-cresol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Chlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dichlorophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dimethylphenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Nitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4-Nitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2,4-Dinitrophenol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4,6-Dinitro-o-cresol	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pentachlorophenol	0.8	2.4	6.7	6.7	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					C12-03			D8-01			D8-02			D8-03			D15-02			D15-03			D16-01		
	SAMPLE DATE					4/11/2025			4/10/2025			4/10/2025			4/10/2025			4/11/2025			4/11/2025			4/11/2025		
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	SAMPLE DEPTH					7 FT			8 FT			8.5 FT			9 FT			9 FT			10 FT			15 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																					
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
Endrin aldehyde	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	0.005	0.039	0.2	1.4	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDE	0.0033	1.8	8.9	62	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDD	0.0033	2.6	13	92	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDT	0.0033	1.7	7.9	47	94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	2.4	4.8	24	200	920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-Chlordane	0.094	0.91	4.2	24	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlordane	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METALS																										
Aluminum, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	3540	9.88	-	-	-	-	-	-	-
Antimony, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	4.94	-	-	-	-	-	-	-
Arsenic, Total	13	16	16	16	16	-	-	-	-	-	-	-	-	-	-	-	-	5.59	0.988	-	-	-	-	-	-	-
Barium, Total	350	350	400	400	10000	-	-	-	-	-	-	-	-	-	-	-	-	55.5	0.988	-	-	-	-	-	-	-
Beryllium, Total	7.2	14	72	590	2700	-	-	-	-	-	-	-	-	-	-	-	-	0.188	J	0.494	-	-	-	-	-	-
Cadmium, Total	2.5	2.5	4.3	9.3	60	-	-	-	-	-	-	-	-	-	-	-	-	0.137	J	0.988	-	-	-	-	-	-
Calcium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	31900	9.88	-	-	-	-	-	-	-
Chromium, Total	30	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	5.76	0.988	-	-	-	-	-	-	-
Cobalt, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	1.88	J	1.98	-	-	-	-	-	-
Copper, Total	50	270	270	270	10000	-	-	-	-	-	-	-	-	-	-	-	-	30.5	0.988	-	-	-	-	-	-	-
Iron, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	6180	4.94	-	-	-	-	-	-	-
Lead, Total	63	400	400	1000	3900	116	5.44	-	-	-	-	-	-	-	-	-	-	406	4.94	4.04	J	4.64	-	-	-	-
Magnesium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	3540	9.88	-	-	-	-	-	-	-
Manganese, Total	1600	2000	2000	10000	10000	-	-	-	-	-	-	-	-	-	-	-	-	84.7	0.988	-	-	-	-	-	-	-
Mercury, Total	0.18	0.81	0.81	2.8	5.7	2.7	0.094	-	-	-	-	-	-	-	-	-	-	0.488	0.101	ND	-	-	0.084	-	-	-
Nickel, Total	30	140	310	310	10000	-	-	-	-	-	-	-	-	-	-	-	-	6.34	2.47	-	-	-	-	-	-	-
Potassium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	338	247	-	-	-	-	-	-	-
Selenium, Total	3.9	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	2.78	1.98	-	-	-	-	-	-	-
Silver, Total	2	36	180	1500	6800	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.494	-	-	-	-	-	-	-
Sodium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	761	198	-	-	-	-	-	-	-
Thallium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	1.98	-	-	-	-	-	-	-
Vanadium, Total	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	9.4	0.988	-	-	-	-	-	-	-
Zinc, Total	109	2200	10000	10000	10000	-	-	-	-	-	-	-	-	-	-	-	-	104	4.94	-	-	-	-	-	-	-
PFAS																										
PFBA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000796	-	-	-	-	-	-	-
PFPeA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000398	-	-	-	-	-	-	-
PFBS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
4:2FTS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000796	-	-	-	-	-	-	-
PFHxA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
PFPeS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
PFHpA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
PFHxS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
PFOA	0.00066	0.0066	0.033	0.5	0.6	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
6:2FTS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000796	-	-	-	-	-	-	-
PFHpS	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
PFNA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
PFOS	0.00088	0.0088	0.044	0.44	0.44	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-
PFDA	NA	NA	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	ND	0.000199	-	-	-	-	-	-	-</

Table 2

Confirmatory Sampling Data Summary
Marine Drive Apartments East Site
Buffalo, New York



ANALYTE	LOCATION					C12-03			D8-01			D8-02			D8-03			D15-02			D15-03			D16-01		
	SAMPLE DATE					4/11/2025			4/10/2025			4/10/2025			4/10/2025			4/11/2025			4/11/2025			4/11/2025		
	SAMPLE TYPE					SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
	SAMPLE DEPTH					7 FT			8 FT			8.5 FT			9 FT			9 FT			10 FT			15 FT		
	NY-UNRES	NY-RESR	NY-RESRR	NY-RESC	NY-RESI																					
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL	Result	Flg	RL
NETFOSE	NA	NA	NA	NA	NA	-		-	-	-	-	-	-	-	-	-	-	ND		0.00199	-	-	-	-	-	-
PFMPA	NA	NA	NA	NA	NA	-		-	-	-	-	-	-	-	-	-	-	ND		0.000398	-	-	-	-	-	-
PFMBA	NA	NA	NA	NA	NA	-		-	-	-	-	-	-	-	-	-	-	ND		0.000398	-	-	-	-	-	-
PFEESA	NA	NA	NA	NA	NA	-		-	-	-	-	-	-	-	-	-	-	ND		0.000398	-	-	-	-	-	-
NFDHA	NA	NA	NA	NA	NA	-		-	-	-	-	-	-	-	-	-	-	ND		0.000398	-	-	-	-	-	-
3:3FTCA	NA	NA	NA	NA	NA	-		-	-	-	-	-	-	-	-	-	-	ND		0.000995	-	-	-	-	-	-
5:3FTCA	NA	NA	NA	NA	NA	-		-	-	-	-	-	-	-	-	-	-	ND		0.00497	-	-	-	-	-	-
7:3FTCA	NA	NA	NA	NA	NA	-		-	-	-	-	-	-	-	-	-	-	ND		0.00497	-	-	-	-	-	-

NY-UNRES	New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR	New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESRR	New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESC	New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESI	New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

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.

ND - Not Detected: Analyte concentration is below the RL.

NA - Not Applicable

NI - Not Ignitable

- Parameter not analyzed

Qualifier Key

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 Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.

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.

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

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.)

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.)

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

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.

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

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

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

RE - Analytical results are from sample re-extraction.

R - Analytical results are from sample re-analysis.

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

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

U - Not detected at the reported detection limit for the sample.

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

S - Analytical results are from modified screening analysis.

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).

ATTACHMENT A

Soil Boring Logs

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No.		A1	
						Sheet No.:		1 of 12	
						Project No.:		Z31.001.005	
						Surface Elev.:			
Project Name: Marine Drive Confirmatory Sampling								Datum:	
Location: Marine Drive , Buffalo, NY								Start Date: 4/10/25	
Client: The Habitat Company								Finish Date:	
Drilling Firm: TREC Environmental						Inspector:		NFO	
Groundwater		Depth	Date & Time	Drill Rig:					
While Drilling:				Casing:		Rock Core:		Undist:	
Before Casing Removal:				Sampler:		Other:			
After Casing Removal:				Hammer:					
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)									
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION c - coarse m - medium f - fine a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10% S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey				COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1				0-6" Asphalt				Start 8:55	
			6-24" Fill consisting of rock, sand, slag				0.2 ppm		
2			24-30" Brown SAND, moist, fine grain, trace ash, trace brick						
3									
4			2.5' return						
5	A1-01			0-9" tan to brown SAND, trace brick, trace gravel				0.2 ppm	
			9-30" brown to black SAND, moist, fine grain						
6									
7									
8			2.5' return						
9	A1-02			0-12" Brown SAND and CLAY, moist, trace gravel				9:15	
			12-20" Black SAND, dry, fine grain						
10			20-24" Gray / brown SAND, moist, fine grain				0.2 ppm		
11									
12			2' return						
13	A1-03			0-48" Brown SAND, very wet, fine grain					
14							0.2 ppm		
15									
16			4' return						
17									
18	A1-04								
19									
20									
21									
22									
23									

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No.		B3	
						Sheet No.:		2 of 12	
						Project No.:		Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling						Surface Elev.:			
Location: Marine Drive , Buffalo, NY						Datum:			
Client: The Habitat Company						Start Date:		4/10/25	
Drilling Firm: TREC Environmental						Finish Date:			
Groundwater		Depth	Date & Time	Drill Rig:		Inspector:		NFO	
While Drilling:				Casing:		Rock Core:		Undist:	
Before Casing Removal:				Sampler:		Other:			
After Casing Removal:				Hammer:					
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)									
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION c - coarse m - medium f - fine a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10% S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey			COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)		
1				0-8" Asphalt			Start 9:35		
			8-30" Fill consisting of gravel, sand, slag			0.3 ppm			
2									
3									
4				2.5' return					
5			0-6" Fill consisting of gravel and sand						
6			6-12" Fill consisting of gravel and sand with trace red brick						
7			12-24" Brown to black SAND, moist, fine grain, trace red brick			0.3 ppm			
8	B3-01			2' return					
9	B3-02			0-6" Fill consisting of brown sand, gravel, red brick			9:45		
10	B3-03			6-12" Black SAND, fine grain, moist					
11	B3-04			12-36" Dark to light brown CLAY, wet					
12				3' return			0.3 ppm		
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No. B9	
						Sheet No.: 3 of 12	
						Project No.: Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling					Surface Elev.:		
Location: Marine Drive , Buffalo, NY					Datum:		
Client: The Habitat Company					Start Date: 4/10/25		
Drilling Firm: TREC Environmental					Finish Date:		
Groundwater		Depth	Date & Time	Drill Rig:	Inspector: NFO		
While Drilling:				Casing:	Rock Core:	Undist:	
Before Casing Removal:				Sampler:	Other:		
After Casing Removal:				Hammer:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION c - coarse m - medium f - fine a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10% S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey		COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1				0-6" Asphalt		Start 12:55	
2				6-30" Fill consisting of brown sand, gravel, slag, red brick		0.4 ppm	
3							
4				2.5' return			
5				0-12" Fill consisting of sand, gravel, red brick			
6				12-24" Brown SAND, wet, medium grain		0.3 ppm	
7							
8				2' return			
9				0-6" Brown SAND, wet, fine grain		1:05	
10				6-24" Black SAND, dry, with red organic material (mulch)			
11				24-36" Brown CLAY, wet, with some gravel		0.3 ppm	
12	B9-01			36-42" Large angular rocks			
13	B9-02			3.5' return			
14	B9-03			0-24" Brown SAND, wet, fine grain		1:15	
15	B9-04			24-36" Gray to brown SAND, wet, coarse grain		0.3 ppm	
16							
17				3' return			
18							
19							
20							
21							
22							
23							

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No. B12	
						Sheet No.: 4 of 12	
						Project No.: Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling						Surface Elev.:	
Location: Marine Drive , Buffalo, NY						Datum:	
Client: The Habitat Company						Start Date: 4/10/25	
Drilling Firm: TREC Environmental						Finish Date:	
Groundwater		Depth	Date & Time	Drill Rig:		Inspector: NFO	
While Drilling:				Casing:		Rock Core:	Undist:
Before Casing Removal:				Sampler:		Other:	
After Casing Removal:				Hammer:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION			COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
				c - coarse m - medium f - fine	a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		
1			0-6" Asphalt			Start 2:00	
2			6-24" Fill consisting of gravel and sand				
3			24-30" Brown CLAY, dry, with brown SAND, fine grain			0.3 ppm	
4			2.5' return				
5			0-6" Fill consisting of sand and gravel				
6			6-18" Fill consisting of sand, gravel, red brick, ash			0.3 ppm	
7							
8			1.5' return				
9	B1-01		0-6" Fill consisting of coarse sand and trace red brick			2:10	
10			6-36" Brown CLAY and SAND, fine grain, wet				
11							
12			3' return				
13			0-48" Brown SAND, fine grain, wet, trace brick			2:20	
14							
15							
16			4' return				
17							
18							
19							
20							
21							
22							
23							

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No.		C6	
						Sheet No.:		5 of 12	
						Project No.:		Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling						Surface Elev.:			
Location: Marine Drive , Buffalo, NY						Datum:			
Client: The Habitat Company						Start Date:		4/10/25	
Drilling Firm: TREC Environmental						Finish Date:			
Groundwater		Depth	Date & Time	Drill Rig:		Inspector:		NFO	
While Drilling:				Casing:		Rock Core:		Undist:	
Before Casing Removal:				Sampler:		Other:			
After Casing Removal:				Hammer:					
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)									
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine MATERIAL DESCRIPTION S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%			COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)		
1			0-6" Asphalt				Start 10:10		
			6-24" Fill consisting of brown sand, gravel, slag						
2			24-30" red brick				0.4 ppm		
3									
4				2.5' return					
5			0-12" Fill consisting of gravel, sand, red brick				10:20		
			12-18" brown to black SAND, fine grain, wet						
6			18-30" black SAND, fine grain, moist				0.2 ppm		
7									
8									
9			0-2" Black CLAY, wet				10:25		
			2-6" Fill material consisting of sand and gravel						
10			6-8" Brown CLAY				0.2 ppm		
			8-14" Brown CLAY, wet						
11	C6-01		14-24" rock						
12	C6-02								
	C6-03								
	C6-04								
				2' return					
13			0-24" Brown SAND, fine grain, wet						
			24-30" Brown SAND, coarse grain, with angular rocks and trace brick				0.2 ppm		
14									
15				2.5' return					
16									
17									
18									
19									
20									
21									
22									
23									

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No. C7	
						Sheet No.: 6 of 12	
						Project No.: Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling					Surface Elev.:		
Location: Marine Drive , Buffalo, NY					Datum:		
Client: The Habitat Company					Start Date: 4/10/25		
Drilling Firm: TREC Environmental					Finish Date:		
Groundwater		Depth	Date & Time	Drill Rig:	Inspector: NFO		
While Drilling:				Casing:	Rock Core:	Undist:	
Before Casing Removal:				Sampler:	Other:		
After Casing Removal:				Hammer:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine MATERIAL DESCRIPTION S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%		COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1				0-6" Asphalt		Start 10:45	
2				6-24" Fill consisting of sand, gravel, slag			
3				24-30" Black SAND, fine grain, moist		0.3 ppm	
4				2.5' return			
5				0-6" Brown SAND, coarse, with trace organic material (wood)		11:00	
6				6-8" Black SAND, medium grain			
7				8-14" Red organic material (mulch)			
8	C7-01			14-42" SAND, medium grain, with some organic material		0.3 ppm	
9	C7-02			3.5' return			
10	C7-03			0-12" Black SAND, fine grain, with red organic material			
11	C7-04			12-18" Brown CLAY, wet			
12				18-30" Brown SAND, coarse grain		0.2 ppm	
13				2.5' return			
14				0-12" Black SAND, coarse grain, very wet			
15				12-30" Brown SAND, coarse grain, lots of angular gravel			
16				2.5' return			
17							
18							
19							
20							
21							
22							
23							

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No.		C9	
						Sheet No.:		7 of 12	
						Project No.:		Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling						Surface Elev.:			
Location: Marine Drive , Buffalo, NY						Datum:			
Client: The Habitat Company						Start Date:		4/10/25	
Drilling Firm: TREC Environmental						Finish Date:			
Groundwater		Depth	Date & Time	Drill Rig:		Inspector:		NFO	
While Drilling:				Casing:		Rock Core:	Undist:		
Before Casing Removal:				Sampler:		Other:			
After Casing Removal:				Hammer:					
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)									
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine MATERIAL DESCRIPTION S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%			COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)		
1			0-6" Asphalt						
			6-18" Fill consisting of brown sand, gravel, slag						
			18-24" Fill consisting of brown sand, gravel, slag, and red brick				0.4 ppm		
2			24-30" Brown SAND, fine grain, moist, some red brick						
3									
4				2.5' return					
5			0-6" Brown CLAY, moist				12:30		
			6-24" Brown CLAY, moist, and fine SAND, moist						
			24-36" Black SAND, fine grain, dry				0.3 ppm		
6									
7									
8	C9-01			3' return					
9	C9-02		0-18" Brown CLAY and SAND, fine grain, wet						
	C9-03		18-36" Brown CLAY, moist				0.3 ppm		
10	C9-04								
11									
12				3' return					
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No. C12	
						Sheet No.: 8 of 12	
						Project No.: Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling					Surface Elev.:		
Location: Marine Drive , Buffalo, NY					Datum:		
Client: The Habitat Company					Start Date: 4/11/25		
Drilling Firm: TREC Environmental					Finish Date:		
Groundwater		Depth	Date & Time	Drill Rig:	Inspector: NFO		
While Drilling:				Casing:	Rock Core:	Undist:	
Before Casing Removal:				Sampler:	Other:		
After Casing Removal:				Hammer:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine MATERIAL DESCRIPTION S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%			COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1			0-6" Asphalt				Start 8:10
2			6-24" Fill consisting of brown sand, gravel, slag				
3			24-30" Brown SAND, moist, some red brick				0.1 ppm
4			2.5' return				
5	C12-01		0-5" Fill consisting of brown sand, medium grain, and trace brick				8:25
6	C12-02		5-18" Brown SAND, medium grain, and trace brick				
7	C12-03		18-24" Organic material (wood)				0.1 ppm
8			24-36" Black SAND, fine grain, moist				
9			3' return				
10			0-12" Black SAND, fine grain, moist, trace brick				
11			12-24" Brown CLAY, moist				
12			24-36" Brown SAND, moist				
13			3' return				
14			0-48" Black to brown SAND, wet, fine grain				
15							
16			4' return				
17							
18							
19							
20							
21							
22							
23							

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No. D8	
						Sheet No.: 9 of 12	
						Project No.: Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling						Surface Elev.:	
Location: Marine Drive , Buffalo, NY						Datum:	
Client: The Habitat Company						Start Date: 4/10/25	
Drilling Firm: TREC Environmental						Finish Date:	
Groundwater		Depth	Date & Time	Drill Rig:		Inspector: NFO	
While Drilling:				Casing:		Rock Core:	Undist:
Before Casing Removal:				Sampler:		Other:	
After Casing Removal:				Hammer:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION		COMMENTS	
				c - coarse m - medium f - fine a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%	S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey	(e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)	
1				0-6" Asphalt		Start 12:00	
			6-24" Fill consisting of brown sand, gravel slag, trace red brick				
2			24-30" Brown SAND, fine grain, moist		0.3 ppm		
3							
4			2.5' return				
5				0-18" Black SAND, fine grain, dry		12:05	
			18-24" Red organic material (mulch)				
6			24-42" Black SAND and brown CLAY, moist		0.3 ppm		
7							
8			3.5' return				
9	D8-01			0-24" Brown to black CLAY, wet		12:10	
	D8-02			24-30" Brown CLAY, wet, with angular gravel			
10	D8-03					0.3 ppm	
	D8-04						
11							
12			2.5' return				
13				0-18" Brown SAND, wet, with angular gravel			
14							
15				1.5' return			
16							
17							
18							
19							
20							
21							
22							
23							

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No. D15A	
						Sheet No.: 10 of 12	
						Project No.: Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling					Surface Elev.:		
Location: Marine Drive , Buffalo, NY					Datum:		
Client: The Habitat Company					Start Date: 4/11/25		
Drilling Firm: TREC Environmental					Finish Date:		
Groundwater		Depth	Date & Time	Drill Rig:	Inspector: NFO		
While Drilling:				Casing:	Rock Core:	Undist:	
Before Casing Removal:				Sampler:	Other:		
After Casing Removal:				Hammer:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine MATERIAL DESCRIPTION S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%			COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1			0-6" Asphalt				Start 9:25
			6-18" Fill consisting of brown sand and slag				
2			18-24" Fill consisting of brown sand, slag, trace brick				
			24-30" Fill consisting of brown sand, slag, and large angular rocks				
3							
4			2.5' return				
5			0-12" Fill consisting of brown sand and angular gravel				
			12-24" rock				0.2 ppm
6							
7							
8			2' return				
9			0-12" Brown SAND, fine grain, with lots of large angular rocks				
10							
11							
12			1' return				
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No. D15B	
						Sheet No.: 11 of 12	
						Project No.: Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling					Surface Elev.:		
Location: Marine Drive , Buffalo, NY					Datum:		
Client: The Habitat Company					Start Date: 4/11/25		
Drilling Firm: TREC Environmental					Finish Date:		
Groundwater		Depth	Date & Time	Drill Rig:	Inspector: NFO		
While Drilling:				Casing:	Rock Core:	Undist:	
Before Casing Removal:				Sampler:	Other:		
After Casing Removal:				Hammer:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	MATERIAL DESCRIPTION c - coarse m - medium f - fine a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10% S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey			COMMENTS (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1	D15-01						
2							
3							
4							
5							
6							
7							
8							
9	D15-02		0-12" Fill consisting of sand, slag, red brick				10:00
10	D15-03		12-36" Brown CLAY, wet				
11			36-42" Brown SAND, wet, trace red brick				
12							
13							
14							
15							
16							
17							
18			0-12" Brown SAND, wet, trace red brick				
19			12-24" SAND, wet				
20			24-36" SAND, fine grain, dry				
21			36-42" CLAY, dry				
22							
23							
24							
25							

 C&S Engineers, Inc. 141 Elm Street, Suite 100 Buffalo, New York 14203 Phone: 716-847-1630 Fax: 716-847-1454 www.cscos.com		BORING LOG				Boring No. D16	
						Sheet No.: 12 of 12	
						Project No.: Z31.001.005	
Project Name: Marine Drive Confirmatory Sampling						Surface Elev.:	
Location: Marine Drive , Buffalo, NY						Datum:	
Client: The Habitat Company						Start Date: 4/11/25	
Drilling Firm: TREC Environmental						Finish Date:	
Groundwater		Depth	Date & Time	Drill Rig:		Inspector: NFO	
While Drilling:				Casing:		Rock Core:	Undist:
Before Casing Removal:				Sampler:		Other:	
After Casing Removal:				Hammer:			
(N -- No. of blows to drive sampler 12" w/140 lb. hammer falling 30" ASTM D-1586, Standard Penetration Test)							
Depth (ft)	Sample No.	Symbol	Blows on Sampler per 6"	c - coarse m - medium f - fine <u>MATERIAL DESCRIPTION</u> S - Sand, \$ - Silt, G - Gravel, C - Clay, cly - clayey a - and - 35-50% s - some - 20-35% l - little - 10-20% t - trace - 0-10%			<u>COMMENTS</u> (e.g., N-value, recovery, relative moisture, core run, RQD, % recovered)
1			0-3" Asphalt				Start 8:55
2			3-18" Fill consisting of brown sand, slag, angular gravel				0.1 ppm
3			18-24" red brick, organic material (wood)				
4			2' return				
5			0-12" Fill consisting of red brick, orange to brown rocks, angular gravel				0.1 ppm
6							
7							
8			1' return				
9			0-6" Fill consisting of coarse sand, red brick				0.2 ppm
10			6-18" Brown CLAY, moist, trace red brick				
11							
12			1.5' return				
13	D16-01		0-42" Brown SAND, very wet, with some organic material (wood)				9:10
14			42-48" dark brown SAND, dry, fine grain				0.1 ppm
15							
16			4' return				
17							
18							
19							
20							
21							
22							
23							

ATTACHMENT B
Laboratory Analytical Report



ANALYTICAL REPORT

Lab Number:	L2522253
Client:	C&S Companies 141 Elm Street, Suite 100 Buffalo, NY 14203
ATTN:	Cody Martin
Phone:	(716) 847-1630
Project Name:	MARINE DRIVE CONFIRMATORY
Project Number:	SAMP
Report Date:	Z31.001.004 05/06/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2522253-01	A1-01-7FT	SOIL	BUFFALO, NY	04/10/25 08:55	04/10/25
L2522253-02	A1-02-7.5FT	SOIL	BUFFALO, NY	04/10/25 09:00	04/10/25
L2522253-03	A1-03-8FT	SOIL	BUFFALO, NY	04/10/25 09:05	04/10/25
L2522253-04	A1-04-8.5FT	SOIL	BUFFALO, NY	04/10/25 09:10	04/10/25
L2522253-05	C7-01-8FT	SOIL	BUFFALO, NY	04/10/25 11:00	04/10/25
L2522253-06	C7-02-8.5FT	SOIL	BUFFALO, NY	04/10/25 11:05	04/10/25
L2522253-07	C7-03-9FT	SOIL	BUFFALO, NY	04/10/25 11:10	04/10/25
L2522253-08	C7-04-9.5FT	SOIL	BUFFALO, NY	04/10/25 11:15	04/10/25
L2522253-09	B3-01-8FT	SOIL	BUFFALO, NY	04/10/25 09:35	04/10/25
L2522253-10	B3-02-8.5FT	SOIL	BUFFALO, NY	04/10/25 09:40	04/10/25
L2522253-11	B3-03-9FT	SOIL	BUFFALO, NY	04/10/25 09:45	04/10/25
L2522253-12	B3-04-9.5FT	SOIL	BUFFALO, NY	04/10/25 09:50	04/10/25
L2522253-13	C6-01-10FT	SOIL	BUFFALO, NY	04/10/25 10:20	04/10/25
L2522253-14	C6-02-10.5FT	SOIL	BUFFALO, NY	04/10/25 10:25	04/10/25
L2522253-15	C6-03-11FT	SOIL	BUFFALO, NY	04/10/25 10:30	04/10/25
L2522253-16	D8-01-8FT	SOIL	BUFFALO, NY	04/10/25 12:05	04/10/25
L2522253-17	D8-02-8.5FT	SOIL	BUFFALO, NY	04/10/25 12:10	04/10/25
L2522253-18	D8-03-9FT	SOIL	BUFFALO, NY	04/10/25 12:15	04/10/25
L2522253-19	D8-04-9.5FT	SOIL	BUFFALO, NY	04/10/25 12:20	04/10/25
L2522253-20	C9-01-8FT	SOIL	BUFFALO, NY	04/10/25 12:40	04/10/25
L2522253-21	C9-02-8.5FT	SOIL	BUFFALO, NY	04/10/25 12:45	04/10/25
L2522253-22	C9-03-9FT	SOIL	BUFFALO, NY	04/10/25 12:50	04/10/25
L2522253-23	C9-04-9.5FT	SOIL	BUFFALO, NY	04/10/25 12:55	04/10/25
L2522253-24	B12-01-10FT	SOIL	BUFFALO, NY	04/10/25 14:10	04/10/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2522253-25	B12-02-11FT	SOIL	BUFFALO, NY	04/10/25 14:15	04/10/25
L2522253-26	B12-03-12FT	SOIL	BUFFALO, NY	04/10/25 14:20	04/10/25
L2522253-27	B9-01-12FT	SOIL	BUFFALO, NY	04/10/25 13:05	04/10/25
L2522253-28	B9-02-12.5FT	SOIL	BUFFALO, NY	04/10/25 13:10	04/10/25
L2522253-29	B9-03-13FT	SOIL	BUFFALO, NY	04/10/25 13:15	04/10/25
L2522253-30	B9-04-13.5FT	SOIL	BUFFALO, NY	04/10/25 13:20	04/10/25

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Case Narrative (continued)

Report Submission

May 06, 2025: This final report includes the results of the following analyses:

L2522253-03, -07, and -18: Volatile Organics

L2522253-11: Semivolatile Organics

Additional requests will be reported separately.

May 01, 2025: This preliminary report includes the results of the following analyses:

L2522253-24: Perfluorinated Alkyl Acids by 1633

April 30, 2025: This preliminary report includes the results of the following analyses:

L2522253-02, -06, -17, -21, and -25: Volatile Organics

L2522253-10: Semivolatile Organics

April 22, 2025: This is a preliminary report.

April 22, 2025: 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

L2522253-01, -02, -03, -05, -06, -07, -16, -17, -18, -20, -21, -24, and -25: 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.

L2522253-02: The surrogate recovery for 1,2-dichloroethane-d4 (132%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

L2522253-03, -07, and -18: The sample was analyzed with the method required holding time exceeded.

L2522253-05 and -06: One or more of the internal standard recoveries is outside the acceptance criteria; however, the internal standard is within criteria for the target compounds; therefore, the results are reported.

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Case Narrative (continued)

Semivolatile Organics

L2522253-09D and -11D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Perfluorinated Alkyl Acids by 1633

L2522253-24: The Extracted Internal Standard recovery was above the acceptance criteria for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmfosaa) (156%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.

Total Metals

L2522253-24: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG2054767-3 MS recoveries performed on L2522253-24 do not apply for aluminum (128%) and iron (547%) because the sample concentrations are greater than four times the spike amounts added.

The WG2054767-3 MS recovery performed on L2522253-24 is outside the acceptance criteria for antimony (24%). A post digestion spike was performed and was within acceptance criteria.

Chromium, Hexavalent

The WG2054517-5 Soluble MS recovery performed on L2522253-24 was outside the acceptance criteria for chromium, hexavalent (39%). This has been attributed to matrix interference. A post-spike was performed with a recovery of 97%.

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: 05/06/25

ORGANICS

VOLATILES

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-01
Client ID: A1-01-7FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 08:55
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/22/25 10:00
Analyst: AJK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	230		ug/kg	16	7.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-02
 Client ID: A1-02-7.5FT
 Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:00
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 04/24/25 15:58
 Analyst: TMH
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	91		ug/kg	15	7.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	132	Q	70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	123		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-03
Client ID: A1-03-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/06/25 13:11
Analyst: MNF
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	22		ug/kg	14	6.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-05
Client ID: C7-01-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 11:00
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/22/25 10:20
Analyst: AJK
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	690		ug/kg	24	11.	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	120			70-130		
Toluene-d8	107			70-130		
4-Bromofluorobenzene	114			70-130		
Dibromofluoromethane	115			70-130		

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-06
Client ID: C7-02-8.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 11:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/24/25 14:36
Analyst: AJK
Percent Solids: 29%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	270		ug/kg	48	23.	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	126			70-130		
Toluene-d8	106			70-130		
4-Bromofluorobenzene	104			70-130		
Dibromofluoromethane	123			70-130		

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-07
Client ID: C7-03-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 11:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/06/25 13:36
Analyst: MNF
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	ND		ug/kg	13	6.2	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	88			70-130		
Toluene-d8	101			70-130		
4-Bromofluorobenzene	93			70-130		
Dibromofluoromethane	98			70-130		

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-16
Client ID: D8-01-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:05
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/22/25 10:41
Analyst: AJK
Percent Solids: 53%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	120		ug/kg	18	8.9	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	118			70-130		
Toluene-d8	97			70-130		
4-Bromofluorobenzene	95			70-130		
Dibromofluoromethane	113			70-130		

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-17
Client ID: D8-02-8.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/24/25 14:57
Analyst: AJK
Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	66		ug/kg	18	8.7	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	127			70-130		
Toluene-d8	98			70-130		
4-Bromofluorobenzene	107			70-130		
Dibromofluoromethane	122			70-130		

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-18
Client ID: D8-03-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:15
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 05/06/25 14:01
Analyst: MNF
Percent Solids: 61%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	16		ug/kg	15	7.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-20
Client ID: C9-01-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:40
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/22/25 11:02
Analyst: AJK
Percent Solids: 30%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	450		ug/kg	56	27.	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
1,2-Dichloroethane-d4	121			70-130		
Toluene-d8	98			70-130		
4-Bromofluorobenzene	97			70-130		
Dibromofluoromethane	117			70-130		

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-21
Client ID: C9-02-8.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:45
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/24/25 15:17
Analyst: AJK
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	39		ug/kg	15	7.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	124		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/22/25 11:22
Analyst: AJK
Percent Solids: 69%

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	0.39	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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
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	58		ug/kg	14	7.0	1
Carbon disulfide	ND		ug/kg	14	6.6	1
2-Butanone	8.7	J	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
Bromochloromethane	ND		ug/kg	2.9	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.40	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.46	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.39	1
Methyl Acetate	ND		ug/kg	5.8	1.4	1
Cyclohexane	ND		ug/kg	14	0.79	1
1,4-Dioxane	ND		ug/kg	120	51.	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	119		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	117		70-130



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-25
 Client ID: B12-02-11FT
 Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:15
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 04/24/25 15:38
 Analyst: AJK
 Percent Solids: 62%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	17		ug/kg	16	7.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	125		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/22/25 09:18
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05,16,20,24 Batch: WG2057163-5					
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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/22/25 09:18
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05,16,20,24 Batch: WG2057163-5					
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
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/22/25 09:18
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05,16,20,24 Batch: WG2057163-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/24/25 09:03
 Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06,17,21,25 Batch: WG2058216-5					
Acetone	ND		ug/kg	10	4.8

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	109		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 05/06/25 11:55
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,07,18 Batch: WG2063060-5					
Acetone	ND		ug/kg	10	4.8

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05,16,20,24 Batch: WG2057163-3 WG2057163-4								
Methylene chloride	83		78		70-130	6		30
1,1-Dichloroethane	96		89		70-130	8		30
Chloroform	97		84		70-130	14		30
Carbon tetrachloride	106		93		70-130	13		30
1,2-Dichloropropane	109		104		70-130	5		30
Dibromochloromethane	92		92		70-130	0		30
1,1,2-Trichloroethane	88		88		70-130	0		30
Tetrachloroethene	111		104		70-130	7		30
Chlorobenzene	101		97		70-130	4		30
Trichlorofluoromethane	93		89		70-139	4		30
1,2-Dichloroethane	102		102		70-130	0		30
1,1,1-Trichloroethane	102		89		70-130	14		30
Bromodichloromethane	93		89		70-130	4		30
trans-1,3-Dichloropropene	87		88		70-130	1		30
cis-1,3-Dichloropropene	97		95		70-130	2		30
Bromoform	85		87		70-130	2		30
1,1,2,2-Tetrachloroethane	79		82		70-130	4		30
Benzene	106		98		70-130	8		30
Toluene	97		91		70-130	6		30
Ethylbenzene	98		92		70-130	6		30
Chloromethane	111		104		52-130	7		30
Bromomethane	89		83		57-147	7		30
Vinyl chloride	103		96		67-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05,16,20,24 Batch: WG2057163-3 WG2057163-4								
Chloroethane	91		85		50-151	7		30
1,1-Dichloroethene	89		84		65-135	6		30
trans-1,2-Dichloroethene	91		86		70-130	6		30
Trichloroethene	105		99		70-130	6		30
1,2-Dichlorobenzene	100		94		70-130	6		30
1,3-Dichlorobenzene	105		98		70-130	7		30
1,4-Dichlorobenzene	102		94		70-130	8		30
Methyl tert butyl ether	76		80		66-130	5		30
p/m-Xylene	104		96		70-130	8		30
o-Xylene	98		91		70-130	7		30
cis-1,2-Dichloroethene	85		79		70-130	7		30
Styrene	97		92		70-130	5		30
Dichlorodifluoromethane	69		65		30-146	6		30
Acetone	101		112		54-140	10		30
Carbon disulfide	88		82		59-130	7		30
2-Butanone	90		106		70-130	16		30
4-Methyl-2-pentanone	68	Q	79		70-130	15		30
2-Hexanone	61	Q	71		70-130	15		30
Bromochloromethane	90		78		70-130	14		30
1,2-Dibromoethane	89		91		70-130	2		30
1,2-Dibromo-3-chloropropane	71		81		68-130	13		30
Isopropylbenzene	102		93		70-130	9		30
1,2,3-Trichlorobenzene	96		93		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05,16,20,24 Batch: WG2057163-3 WG2057163-4								
1,2,4-Trichlorobenzene	100		94		70-130	6		30
Methyl Acetate	87		96		51-146	10		30
Cyclohexane	106		101		59-142	5		30
1,4-Dioxane	58	Q	68		65-136	16		30
Freon-113	93		88		50-139	6		30
Methyl cyclohexane	97		90		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		103		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	90		89		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06,17,21,25 Batch: WG2058216-3 WG2058216-4								
Acetone	117		130		54-140	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		105		70-130
Toluene-d8	97		95		70-130
4-Bromofluorobenzene	90		89		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,07,18 Batch: WG2063060-3 WG2063060-4								
Acetone	84		81		54-140	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	94		90		70-130
Dibromofluoromethane	97		100		70-130

SEMIVOLATILES

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-09 D
Client ID: B3-01-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:35
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/17/25 07:38
Analyst: SMZ
Percent Solids: 42%

Extraction Method: EPA 3546
Extraction Date: 04/14/25 23:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	12000		ug/kg	1200	220	5
Benzo(a)pyrene	9300		ug/kg	1600	480	5
Benzo(b)fluoranthene	11000		ug/kg	1200	330	5
Benzo(k)fluoranthene	3200		ug/kg	1200	310	5
Dibenzo(a,h)anthracene	950	J	ug/kg	1200	230	5
Indeno(1,2,3-cd)pyrene	3000		ug/kg	1600	270	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	87		30-120
4-Terphenyl-d14	115		18-120

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-10
Client ID: B3-02-8.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:40
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/25/25 18:49
Analyst: JG
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 04/23/25 23:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzo(a,h)anthracene	950		ug/kg	120	23.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	100		30-120
4-Terphenyl-d14	90		18-120

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-11 D
 Client ID: B3-03-9FT
 Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:45
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 05/06/25 12:36
 Analyst: IMK
 Percent Solids: 38%

Extraction Method: EPA 3546
 Extraction Date: 05/01/25 19:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzo(a,h)anthracene	4400		ug/kg	2600	500	10
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Nitrobenzene-d5	78			23-120		
2-Fluorobiphenyl	65			30-120		
4-Terphenyl-d14	80			18-120		

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-13
 Client ID: C6-01-10FT
 Sample Location: BUFFALO, NY

Date Collected: 04/10/25 10:20
 Date Received: 04/10/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8270E
 Analytical Date: 04/17/25 06:26
 Analyst: SMZ
 Percent Solids: 70%

Extraction Method: EPA 3546
 Extraction Date: 04/14/25 23:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	200		ug/kg	140	27.	1
Benzo(a)pyrene	170	J	ug/kg	190	58.	1
Benzo(b)fluoranthene	220		ug/kg	140	40.	1
Benzo(k)fluoranthene	76	J	ug/kg	140	38.	1
Dibenzo(a,h)anthracene	37	J	ug/kg	140	28.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	107		30-120
4-Terphenyl-d14	122	Q	18-120

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/16/25 03:25
Analyst: SLR
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 04/14/25 23:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	25.	1
Hexachlorobenzene	ND		ug/kg	140	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	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	48.	1
2,6-Dinitrotoluene	ND		ug/kg	240	42.	1
Fluoranthene	340		ug/kg	140	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	41.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	24.	1
Hexachlorobutadiene	ND		ug/kg	240	35.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	220	1
Hexachloroethane	ND		ug/kg	190	39.	1
Isophorone	ND		ug/kg	220	31.	1
Naphthalene	32	J	ug/kg	240	30.	1
Nitrobenzene	ND		ug/kg	220	36.	1
NDPA/DPA	ND		ug/kg	190	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	37.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	240	84.	1
Butyl benzyl phthalate	ND		ug/kg	240	61.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	82.	1
Diethyl phthalate	ND		ug/kg	240	22.	1
Dimethyl phthalate	ND		ug/kg	240	51.	1
Benzo(a)anthracene	130	J	ug/kg	140	27.	1
Benzo(a)pyrene	120	J	ug/kg	190	59.	1



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	150		ug/kg	140	41.	1
Benzo(k)fluoranthene	57	J	ug/kg	140	39.	1
Chrysene	130	J	ug/kg	140	25.	1
Acenaphthylene	ND		ug/kg	190	37.	1
Anthracene	48	J	ug/kg	140	47.	1
Benzo(ghi)perylene	78	J	ug/kg	190	28.	1
Fluorene	ND		ug/kg	240	24.	1
Phenanthrene	240		ug/kg	140	29.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	28.	1
Indeno(1,2,3-cd)pyrene	58	J	ug/kg	190	34.	1
Pyrene	290		ug/kg	140	24.	1
Biphenyl	ND		ug/kg	550	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	28	J	ug/kg	240	23.	1
2-Methylnaphthalene	ND		ug/kg	290	29.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	25.	1
Acetophenone	ND		ug/kg	240	30.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	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	80.	1
2-Nitrophenol	ND		ug/kg	520	91.	1
4-Nitrophenol	ND		ug/kg	340	99.	1
2,4-Dinitrophenol	ND		ug/kg	1200	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	630	120	1
Pentachlorophenol	ND		ug/kg	190	53.	1
Phenol	ND		ug/kg	240	36.	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	46.	1
Carbazole	30	J	ug/kg	240	24.	1
Atrazine	ND		ug/kg	190	85.	1
Benzaldehyde	ND		ug/kg	320	65.	1



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
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
1,4-Dioxane	ND		ug/kg	36	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	82		18-120

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 04/29/25 00:39
Analyst: ANH
Percent Solids: 69%

Extraction Method: EPA 1633
Extraction Date: 04/28/25 13:45
Cleanup Method: EPA 1633
Cleanup Date: 04/28/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.796	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.398	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.796	0.077	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.026	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.020	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.796	0.147	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.045	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.031	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.796	0.258	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.030	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.085	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.014	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.044	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.796	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.796	0.030	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.022	1



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.796	0.030	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.796	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.996	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.98	0.235	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.98	0.364	1

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	118				8-130	
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	114				35-130	
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	110				40-135	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	98				40-165	
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	118				40-130	
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	120				40-130	
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	114				40-130	
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	114				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	132				40-215	
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	122				40-130	
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	117				40-130	
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	122				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	163				40-275	
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	156			Q	40-135	
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	121				40-130	
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	102				40-130	
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	134				40-150	
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	98				40-130	
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	75				20-130	
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	110				40-130	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	87				10-130	
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	80				10-130	
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	108				20-130	
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	97				15-130	

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/14/25 22:31
Analyst: SMZ

Extraction Method: EPA 3546
Extraction Date: 04/14/25 08:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09,13,24 Batch: WG2053434-1					
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	35.
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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 04/14/25 22:31
 Analyst: SMZ

Extraction Method: EPA 3546
 Extraction Date: 04/14/25 08:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09,13,24 Batch: WG2053434-1					
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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 04/14/25 22:31
 Analyst: SMZ

Extraction Method: EPA 3546
 Extraction Date: 04/14/25 08:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09,13,24 Batch: WG2053434-1					
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.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	36		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	43		18-120

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 04/25/25 09:30
 Analyst: SMZ

Extraction Method: EPA 3546
 Extraction Date: 04/23/25 15:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG2057746-1					
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		25-120
Phenol-d6	44		10-120
Nitrobenzene-d5	39		23-120
2-Fluorobiphenyl	43		30-120
2,4,6-Tribromophenol	35		10-136
4-Terphenyl-d14	40		18-120

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/28/25 23:27
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 04/28/25 13:45
Cleanup Method: EPA 1633
Cleanup Date: 04/28/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 24 Batch: WG2059592-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.028
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.038
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.020
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.078
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.015
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.026
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.012
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.020
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.026
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.148
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.045
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.013
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.031
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.035
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.259
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.030
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.086
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.013
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.014
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.010
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.044
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.021
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.016
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.024
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.038
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.030
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.022



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/28/25 23:27
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 04/28/25 13:45
Cleanup Method: EPA 1633
Cleanup Date: 04/28/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 24 Batch: WG2059592-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.030
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.040
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.026
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.022
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.122
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.082
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.017
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.024
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.046
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.082
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.092
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.236
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	0.366

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/28/25 23:27
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 04/28/25 13:45
Cleanup Method: EPA 1633
Cleanup Date: 04/28/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 24 Batch: WG2059592-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	106		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	115		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	104		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	96		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	108		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	109		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	109		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	99		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	100		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	107		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	114		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	110		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	122		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	116		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	98		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	111		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	98		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	80		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	108		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	84		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	79		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	105		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	95		15-130



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 05/03/25 01:59
 Analyst: SMZ

Extraction Method: EPA 3546
 Extraction Date: 05/01/25 18:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG2061326-1					
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	75		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,13,24 Batch: WG2053434-2 WG2053434-3								
Acenaphthene	45		54		31-137	18		50
Hexachlorobenzene	44		55		40-140	22		50
Bis(2-chloroethyl)ether	41		46		40-140	11		50
2-Chloronaphthalene	42		49		40-140	15		50
3,3'-Dichlorobenzidine	36	Q	39	Q	40-140	8		50
2,4-Dinitrotoluene	56		68		40-132	19		50
2,6-Dinitrotoluene	49		59		40-140	19		50
Fluoranthene	45		54		40-140	18		50
4-Chlorophenyl phenyl ether	42		51		40-140	19		50
4-Bromophenyl phenyl ether	43		52		40-140	19		50
Bis(2-chloroisopropyl)ether	29	Q	35	Q	40-140	19		50
Bis(2-chloroethoxy)methane	43		51		40-117	17		50
Hexachlorobutadiene	39	Q	44		40-140	12		50
Hexachlorocyclopentadiene	47		58		40-140	21		50
Hexachloroethane	45		53		40-140	16		50
Isophorone	43		51		40-140	17		50
Naphthalene	45		52		40-140	14		50
Nitrobenzene	44		52		40-140	17		50
NDPA/DPA	44		54		36-157	20		50
n-Nitrosodi-n-propylamine	40		49		32-121	20		50
Bis(2-ethylhexyl)phthalate	62		76		40-140	20		50
Butyl benzyl phthalate	56		68		40-140	19		50
Di-n-butylphthalate	55		66		40-140	18		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,13,24 Batch: WG2053434-2 WG2053434-3								
Di-n-octylphthalate	60		74		40-140	21		50
Diethyl phthalate	47		58		40-140	21		50
Dimethyl phthalate	43		51		40-140	17		50
Benzo(a)anthracene	45		54		40-140	18		50
Benzo(a)pyrene	51		62		40-140	19		50
Benzo(b)fluoranthene	45		57		40-140	24		50
Benzo(k)fluoranthene	53		57		40-140	7		50
Chrysene	46		55		40-140	18		50
Acenaphthylene	47		56		40-140	17		50
Anthracene	47		56		40-140	17		50
Benzo(ghi)perylene	48		57		40-140	17		50
Fluorene	45		54		40-140	18		50
Phenanthrene	45		54		40-140	18		50
Dibenzo(a,h)anthracene	45		54		40-140	18		50
Indeno(1,2,3-cd)pyrene	44		55		40-140	22		50
Pyrene	43		52		35-142	19		50
Biphenyl	44		52		37-127	17		50
4-Chloroaniline	38	Q	44		40-140	15		50
2-Nitroaniline	56		68		47-134	19		50
3-Nitroaniline	40		42		26-129	5		50
4-Nitroaniline	52		63		41-125	19		50
Dibenzofuran	44		53		40-140	19		50
2-Methylnaphthalene	41		48		40-140	16		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,13,24 Batch: WG2053434-2 WG2053434-3								
1,2,4,5-Tetrachlorobenzene	39	Q	46		40-117	16		50
Acetophenone	47		55		14-144	16		50
2,4,6-Trichlorophenol	46		55		30-130	18		50
p-Chloro-m-cresol	52		60		26-103	14		50
2-Chlorophenol	49		58		25-102	17		50
2,4-Dichlorophenol	46		56		30-130	20		50
2,4-Dimethylphenol	54		65		30-130	18		50
2-Nitrophenol	59		70		30-130	17		50
4-Nitrophenol	50		60		11-114	18		50
2,4-Dinitrophenol	58		67		4-130	14		50
4,6-Dinitro-o-cresol	59		74		10-130	23		50
Pentachlorophenol	46		57		17-109	21		50
Phenol	45		54		26-90	18		50
2-Methylphenol	49		59		30-130.	19		50
3-Methylphenol/4-Methylphenol	52		62		30-130	18		50
2,4,5-Trichlorophenol	46		56		30-130	20		50
Carbazole	49	Q	58		54-128	17		50
Atrazine	51		63		40-140	21		50
Benzaldehyde	41		48		40-140	16		50
Caprolactam	42		51		15-130	19		50
2,3,4,6-Tetrachlorophenol	49		61		40-140	22		50
1,4-Dioxane	37	Q	39	Q	40-140	5		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,13,24 Batch: WG2053434-2 WG2053434-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		59		25-120
Phenol-d6	47		55		10-120
Nitrobenzene-d5	48		57		23-120
2-Fluorobiphenyl	41		48		30-120
2,4,6-Tribromophenol	52		62		10-136
4-Terphenyl-d14	45		53		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG2057746-2 WG2057746-3								
Dibenzo(a,h)anthracene	43		52		40-140	19		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		58		25-120
Phenol-d6	48		59		10-120
Nitrobenzene-d5	43		53		23-120
2-Fluorobiphenyl	46		57		30-120
2,4,6-Tribromophenol	39		50		10-136
4-Terphenyl-d14	41		51		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 24 Batch: WG2059592-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	105		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	104		-		60-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		65-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	115		-		60-150	-		30
Perfluorohexanoic Acid (PFHxA)	104		-		65-140	-		30
Perfluoropentanesulfonic Acid (PFPeS)	100		-		55-160	-		30
Perfluoroheptanoic Acid (PFHpA)	101		-		65-145	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		60-150	-		30
Perfluorooctanoic Acid (PFOA)	100		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	118		-		55-200	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	86		-		65-155	-		30
Perfluorononanoic Acid (PFNA)	101		-		70-155	-		30
Perfluorooctanesulfonic Acid (PFOS)	98		-		65-160	-		30
Perfluorodecanoic Acid (PFDA)	101		-		70-155	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		70-150	-		30
Perfluorononanesulfonic Acid (PFNS)	93		-		55-140	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	119		-		65-155	-		30
Perfluoroundecanoic Acid (PFUnA)	104		-		70-155	-		30
Perfluorodecanesulfonic Acid (PFDS)	87		-		40-155	-		30
Perfluorooctanesulfonamide (PFOSA)	104		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	99		-		65-165	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 24 Batch: WG2059592-2 LOW LEVEL								
Perfluorododecanoic Acid (PFDoA)	101		-		70-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	90		-		65-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	104		-		65-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	112		-		70-145	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	112		-		70-160	-		30
Perfluorododecanesulfonic Acid (PFDoS)	75		-		25-160	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	104		-		70-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	88		-		45-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	107		-		70-155	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	107		-		70-140	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	102		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	105		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	96		-		30-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	102		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	102		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	103		-		60-155	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	105		-		45-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	105		-		60-130	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	107		-		60-150	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	<i>Low Level LCS %Recovery</i>	<i>Qual</i>	<i>Low Level LCSD %Recovery</i>	<i>Qual</i>	<i>%Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 24 Batch: WG2059592-2 LOW LEVEL								

<i>Surrogate</i>	<i>LCS %Recovery</i>	<i>Qual</i>	<i>LCSD %Recovery</i>	<i>Qual</i>	<i>Acceptance Criteria</i>
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	113				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	119				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	111				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	100				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	115				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	112				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	118				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	115				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	106				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	122				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	111				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	122				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	110				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	107				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	128				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	105				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	107				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	117				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	90				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	113				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	92				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	86				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	108				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	99				15-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 24 Batch: WG2059592-3								
Perfluorobutanoic Acid (PFBA)	95		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	97		-		60-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		65-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	102		-		60-150	-		30
Perfluorohexanoic Acid (PFHxA)	92		-		65-140	-		30
Perfluoropentanesulfonic Acid (PFPeS)	102		-		55-160	-		30
Perfluoroheptanoic Acid (PFHpA)	94		-		65-145	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		60-150	-		30
Perfluorooctanoic Acid (PFOA)	87		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	99		-		55-200	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	84		-		65-155	-		30
Perfluorononanoic Acid (PFNA)	82		-		70-155	-		30
Perfluorooctanesulfonic Acid (PFOS)	89		-		65-160	-		30
Perfluorodecanoic Acid (PFDA)	95		-		70-155	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		70-150	-		30
Perfluorononanesulfonic Acid (PFNS)	87		-		55-140	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		-		65-155	-		30
Perfluoroundecanoic Acid (PFUnA)	91		-		70-155	-		30
Perfluorodecanesulfonic Acid (PFDS)	75		-		40-155	-		30
Perfluorooctanesulfonamide (PFOSA)	90		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		65-165	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 24 Batch: WG2059592-3								
Perfluorododecanoic Acid (PFDoA)	89		-		70-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	74		-		65-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	93		-		65-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	96		-		70-145	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	102		-		70-160	-		30
Perfluorododecanesulfonic Acid (PFDoS)	71		-		25-160	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	97		-		70-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	81		-		45-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	97		-		70-155	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	99		-		70-140	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	95		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	97		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	89		-		30-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	92		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	88		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	102		-		60-155	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	93		-		45-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	92		-		60-130	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	102		-		60-150	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 24 Batch: WG2059592-3								

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	104				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	116				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	83				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	112				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	108				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	95				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	111				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	93				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	100				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	103				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	110				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	88				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	106				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	116				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	101				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	93				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	108				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	79				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	109				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	85				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	80				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	99				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	94				15-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG2061326-2 WG2061326-3								
Dibenzo(a,h)anthracene	84		92		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		79		25-120
Phenol-d6	69		73		10-120
Nitrobenzene-d5	67		74		23-120
2-Fluorobiphenyl	92		100		30-120
2,4,6-Tribromophenol	101		107		10-136
4-Terphenyl-d14	92		97		18-120

PCBS

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/15/25 20:58
Analyst: MHG
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 04/15/25 01:52
Cleanup Method: EPA 3665A
Cleanup Date: 04/15/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/15/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	69.9	6.20	1	A
Aroclor 1221	ND		ug/kg	69.9	7.00	1	A
Aroclor 1232	ND		ug/kg	69.9	14.8	1	A
Aroclor 1242	ND		ug/kg	69.9	9.42	1	A
Aroclor 1248	ND		ug/kg	69.9	10.5	1	A
Aroclor 1254	ND		ug/kg	69.9	7.64	1	A
Aroclor 1260	ND		ug/kg	69.9	12.9	1	A
Aroclor 1262	ND		ug/kg	69.9	8.87	1	A
Aroclor 1268	ND		ug/kg	69.9	7.24	1	A
PCBs, Total	ND		ug/kg	69.9	6.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 04/15/25 19:38
 Analyst: MHG

Extraction Method: EPA 3546
 Extraction Date: 04/15/25 01:52
 Cleanup Method: EPA 3665A
 Cleanup Date: 04/15/25
 Cleanup Method: EPA 3660B
 Cleanup Date: 04/15/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 24 Batch: WG2053805-1						
Aroclor 1016	ND		ug/kg	46.5	4.13	A
Aroclor 1221	ND		ug/kg	46.5	4.66	A
Aroclor 1232	ND		ug/kg	46.5	9.85	A
Aroclor 1242	ND		ug/kg	46.5	6.26	A
Aroclor 1248	ND		ug/kg	46.5	6.97	A
Aroclor 1254	ND		ug/kg	46.5	5.08	A
Aroclor 1260	ND		ug/kg	46.5	8.59	A
Aroclor 1262	ND		ug/kg	46.5	5.90	A
Aroclor 1268	ND		ug/kg	46.5	4.81	A
PCBs, Total	ND		ug/kg	46.5	4.13	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	114		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 24 Batch: WG2053805-2 WG2053805-3									
Aroclor 1016	123		128		40-140	4		50	A
Aroclor 1260	121		122		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		126		30-150	A
Decachlorobiphenyl	106		106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		122		30-150	B
Decachlorobiphenyl	96		100		30-150	B

PESTICIDES

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/15/25 23:07
Analyst: PEG
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 04/15/25 04:01
Cleanup Method: EPA 3620B
Cleanup Date: 04/15/25
Cleanup Method: EPA 3660B
Cleanup Date: 04/15/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.27	0.445	1	A
Lindane	ND		ug/kg	0.946	0.423	1	A
Alpha-BHC	ND		ug/kg	0.946	0.269	1	A
Beta-BHC	ND		ug/kg	2.27	0.861	1	A
Heptachlor	ND		ug/kg	1.14	0.509	1	A
Aldrin	ND		ug/kg	2.27	0.799	1	A
Heptachlor epoxide	ND		ug/kg	4.26	1.28	1	A
Endrin	ND		ug/kg	0.946	0.388	1	A
Endrin aldehyde	ND		ug/kg	2.84	0.993	1	A
Endrin ketone	ND		ug/kg	2.27	0.585	1	A
Dieldrin	ND		ug/kg	1.42	0.709	1	A
4,4'-DDE	ND		ug/kg	2.27	0.525	1	A
4,4'-DDD	ND		ug/kg	2.27	0.810	1	A
4,4'-DDT	1.88	J	ug/kg	2.27	1.82	1	B
Endosulfan I	ND		ug/kg	2.27	0.536	1	A
Endosulfan II	ND		ug/kg	2.27	0.759	1	A
Endosulfan sulfate	ND		ug/kg	0.946	0.450	1	A
Methoxychlor	ND		ug/kg	4.26	1.32	1	A
Toxaphene	ND		ug/kg	42.6	11.9	1	A
cis-Chlordane	ND		ug/kg	2.84	0.791	1	A
trans-Chlordane	ND		ug/kg	2.84	0.749	1	A
Chlordane	ND		ug/kg	18.9	7.52	1	A

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	149		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 04/15/25 22:17
 Analyst: PEG

Extraction Method: EPA 3546
 Extraction Date: 04/15/25 04:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 04/15/25
 Cleanup Method: EPA 3660B
 Cleanup Date: 04/15/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24 Batch: WG2053823-1						
Delta-BHC	ND		ug/kg	1.60	0.312	A
Lindane	ND		ug/kg	0.665	0.297	A
Alpha-BHC	ND		ug/kg	0.665	0.189	A
Beta-BHC	ND		ug/kg	1.60	0.605	A
Heptachlor	ND		ug/kg	0.798	0.358	A
Aldrin	ND		ug/kg	1.60	0.562	A
Heptachlor epoxide	ND		ug/kg	2.99	0.898	A
Endrin	ND		ug/kg	0.665	0.273	A
Endrin aldehyde	ND		ug/kg	1.99	0.698	A
Endrin ketone	ND		ug/kg	1.60	0.411	A
Dieldrin	ND		ug/kg	0.997	0.499	A
4,4'-DDE	ND		ug/kg	1.60	0.369	A
4,4'-DDD	ND		ug/kg	1.60	0.569	A
4,4'-DDT	ND		ug/kg	1.60	1.28	A
Endosulfan I	ND		ug/kg	1.60	0.377	A
Endosulfan II	ND		ug/kg	1.60	0.533	A
Endosulfan sulfate	ND		ug/kg	0.665	0.316	A
Methoxychlor	ND		ug/kg	2.99	0.931	A
Toxaphene	ND		ug/kg	29.9	8.38	A
cis-Chlordane	ND		ug/kg	1.99	0.556	A
trans-Chlordane	ND		ug/kg	1.99	0.526	A
Chlordane	ND		ug/kg	13.3	5.28	A



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 04/15/25 22:17
 Analyst: PEG

Extraction Method: EPA 3546
 Extraction Date: 04/15/25 04:01
 Cleanup Method: EPA 3620B
 Cleanup Date: 04/15/25
 Cleanup Method: EPA 3660B
 Cleanup Date: 04/15/25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24 Batch: WG2053823-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	103		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24 Batch: WG2053823-2 WG2053823-3									
Delta-BHC	78		83		30-150	6		30	A
Lindane	84		90		30-150	7		30	A
Alpha-BHC	85		91		30-150	7		30	A
Beta-BHC	80		84		30-150	5		30	A
Heptachlor	81		88		30-150	8		30	A
Aldrin	83		89		30-150	7		30	A
Heptachlor epoxide	67		71		30-150	6		30	A
Endrin	90		95		30-150	5		30	A
Endrin aldehyde	77		81		30-150	5		30	A
Endrin ketone	97		102		30-150	5		30	A
Dieldrin	89		94		30-150	5		30	A
4,4'-DDE	87		93		30-150	7		30	A
4,4'-DDD	95		100		30-150	5		30	A
4,4'-DDT	92		97		30-150	5		30	A
Endosulfan I	82		88		30-150	7		30	A
Endosulfan II	90		95		30-150	5		30	A
Endosulfan sulfate	92		97		30-150	5		30	A
Methoxychlor	88		94		30-150	7		30	A
cis-Chlordane	79		84		30-150	6		30	A
trans-Chlordane	94		100		30-150	6		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24 Batch: WG2053823-2 WG2053823-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		90		30-150	A
Decachlorobiphenyl	71		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		89		30-150	B
Decachlorobiphenyl	94		100		30-150	B

METALS

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522253**Project Number:** Z31.001.004**Report Date:** 05/06/25**SAMPLE RESULTS**

Lab ID: L2522253-13

Date Collected: 04/10/25 10:20

Client ID: C6-01-10FT

Date Received: 04/10/25

Sample Location: BUFFALO, NY

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											
Mercury, Total	ND		mg/kg	0.111	0.073	1	04/17/25 09:55	04/18/25 07:59	EPA 7471B	1,7471B	JWN



Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522253**Project Number:** Z31.001.004**Report Date:** 05/06/25**SAMPLE RESULTS**

Lab ID: L2522253-24

Date Collected: 04/10/25 14:10

Client ID: B12-01-10FT

Date Received: 04/10/25

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9680		mg/kg	11.4	3.72	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	5.72	4.40	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Arsenic, Total	0.721	J	mg/kg	1.14	0.494	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Barium, Total	67.3		mg/kg	1.14	0.121	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.616		mg/kg	0.572	0.063	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.228	J	mg/kg	1.14	0.063	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Calcium, Total	3120		mg/kg	11.4	6.49	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Chromium, Total	14.6		mg/kg	1.14	0.970	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Cobalt, Total	7.83		mg/kg	2.29	0.284	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Copper, Total	22.0		mg/kg	1.14	0.260	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Iron, Total	14200		mg/kg	5.72	1.20	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Lead, Total	16.3		mg/kg	5.72	0.272	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Magnesium, Total	4130		mg/kg	11.4	1.86	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Manganese, Total	122		mg/kg	1.14	0.613	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.121	0.079	1	04/16/25 16:55	04/21/25 11:27	EPA 7471B	1,7471B	CME
Nickel, Total	24.3		mg/kg	2.86	0.924	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Potassium, Total	773		mg/kg	286	58.0	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Selenium, Total	0.436	J	mg/kg	2.29	0.376	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.572	0.341	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Sodium, Total	644		mg/kg	229	121.	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	2.29	1.03	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Vanadium, Total	17.8		mg/kg	1.14	0.173	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF
Zinc, Total	73.1		mg/kg	5.72	0.693	2	04/16/25 15:59	04/18/25 14:36	EPA 3050B	1,6010D	JMF



Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522253**Project Number:** Z31.001.004**Report Date:** 05/06/25**SAMPLE RESULTS**

Lab ID: L2522253-27

Date Collected: 04/10/25 13:05

Client ID: B9-01-12FT

Date Received: 04/10/25

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	7.15		mg/kg	1.79	1.52	4	04/16/25 23:57	04/21/25 23:11	EPA 3050B	1,6010D	MRP



Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

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): 24 Batch: WG2054767-1										
Aluminum, Total	ND		mg/kg	4.00	1.30	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	1.54	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.173	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.042	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.022	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.022	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	2.27	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.339	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.099	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.091	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Iron, Total	0.564	J	mg/kg	2.00	0.420	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.095	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.652	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.214	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.323	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	20.3	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.132	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.119	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	42.4	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.361	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.060	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.242	1	04/16/25 15:59	04/18/25 14:14	1,6010D	JMF

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): 24 Batch: WG2054768-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	04/16/25 16:55	04/21/25 11:21	1,7471B	CME



Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 27 Batch: WG2054888-1									
Chromium, Total	ND	mg/kg	0.400	0.339	1	04/16/25 23:57	04/17/25 12:36	1,6010D	EFM

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): 13 Batch: WG2055060-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	04/17/25 09:55	04/18/25 07:43	1,7471B	JWN

Prep Information

Digestion Method: EPA 7471B



Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24 Batch: WG2054767-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	103		-		80-120	-		
Arsenic, Total	100		-		80-120	-		
Barium, Total	108		-		80-120	-		
Beryllium, Total	109		-		80-120	-		
Cadmium, Total	98		-		80-120	-		
Calcium, Total	106		-		80-120	-		
Chromium, Total	102		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	106		-		80-120	-		
Iron, Total	107		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	103		-		80-120	-		
Manganese, Total	107		-		80-120	-		
Nickel, Total	99		-		80-120	-		
Potassium, Total	112		-		80-120	-		
Selenium, Total	97		-		80-120	-		
Silver, Total	104		-		80-120	-		
Sodium, Total	112		-		80-120	-		
Thallium, Total	104		-		80-120	-		
Vanadium, Total	105		-		80-120	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24 Batch: WG2054767-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 24 Batch: WG2054768-2					
Mercury, Total	105	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 27 Batch: WG2054888-2					
Chromium, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG2055060-2					
Mercury, Total	95	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

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): 24 QC Batch ID: WG2054767-3 QC Sample: L2522253-24 Client ID: B12-01-10FT												
Aluminum, Total	9680	219	9960	128	Q	-	-		75-125	-		20
Antimony, Total	ND	54.8	13.1	24	Q	-	-		75-125	-		20
Arsenic, Total	0.721J	13.2	10.1	77		-	-		75-125	-		20
Barium, Total	67.3	219	274	94		-	-		75-125	-		20
Beryllium, Total	0.616	5.48	5.79	94		-	-		75-125	-		20
Cadmium, Total	0.228J	5.81	5.53	95		-	-		75-125	-		20
Calcium, Total	3120	1100	3990	79		-	-		75-125	-		20
Chromium, Total	14.6	21.9	34.0	88		-	-		75-125	-		20
Cobalt, Total	7.83	54.8	58.2	92		-	-		75-125	-		20
Copper, Total	22.0	27.4	54.7	119		-	-		75-125	-		20
Iron, Total	14200	110	14800	547	Q	-	-		75-125	-		20
Lead, Total	16.3	58.1	72.4	96		-	-		75-125	-		20
Magnesium, Total	4130	1100	5080	87		-	-		75-125	-		20
Manganese, Total	122	54.8	164	76		-	-		75-125	-		20
Nickel, Total	24.3	54.8	73.3	89		-	-		75-125	-		20
Potassium, Total	773	1100	1660	81		-	-		75-125	-		20
Selenium, Total	0.436J	13.2	12.4	94		-	-		75-125	-		20
Silver, Total	ND	5.48	5.02	92		-	-		75-125	-		20
Sodium, Total	644	1100	1800	105		-	-		75-125	-		20
Thallium, Total	ND	13.2	11.9	90		-	-		75-125	-		20
Vanadium, Total	17.8	54.8	68.0	92		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

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): 24 QC Batch ID: WG2054767-3 QC Sample: L2522253-24 Client ID: B12-01-10FT									
Zinc, Total	73.1	54.8	124	93	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 24 QC Batch ID: WG2054768-3 QC Sample: L2522253-24 Client ID: B12-01-10FT									
Mercury, Total	ND	2.16	2.24	104	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 27 QC Batch ID: WG2054888-3 QC Sample: L2522187-01 Client ID: MS Sample									
Chromium, Total	10.7	18.5	21.4	58	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG2055060-3 QC Sample: L2523281-01 Client ID: MS Sample									
Mercury, Total	ND	1.54	1.44	94	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24 QC Batch ID: WG2054767-4 QC Sample: L2522253-24 Client ID: B12-01-10FT						
Aluminum, Total	9680	9850	mg/kg	2		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	0.721J	1.02J	mg/kg	NC		20
Barium, Total	67.3	78.1	mg/kg	15		20
Beryllium, Total	0.616	0.638	mg/kg	4		20
Cadmium, Total	0.228J	0.247J	mg/kg	NC		20
Calcium, Total	3120	2930	mg/kg	6		20
Chromium, Total	14.6	15.0	mg/kg	3		20
Cobalt, Total	7.83	7.77	mg/kg	1		20
Copper, Total	22.0	26.2	mg/kg	17		20
Iron, Total	14200	14800	mg/kg	4		20
Lead, Total	16.3	15.7	mg/kg	4		20
Magnesium, Total	4130	4110	mg/kg	0		20
Manganese, Total	122	116	mg/kg	5		20
Nickel, Total	24.3	23.5	mg/kg	3		20
Potassium, Total	773	789	mg/kg	2		20
Selenium, Total	0.436J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	644	727	mg/kg	12		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24 QC Batch ID: WG2054767-4 QC Sample: L2522253-24 Client ID: B12-01-10FT					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	17.8	18.6	mg/kg	4	20
Zinc, Total	73.1	69.2	mg/kg	5	20
Total Metals - Mansfield Lab Associated sample(s): 24 QC Batch ID: WG2054768-4 QC Sample: L2522253-24 Client ID: B12-01-10FT					
Mercury, Total	ND	ND	mg/kg	NC	20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG2055060-4 QC Sample: L2523281-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

INORGANICS & MISCELLANEOUS

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-01
Client ID: A1-01-7FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 08:55
Date Received: 04/10/25
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	79.8		%	0.100	NA	1	-	04/14/25 01:12	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-02
Client ID: A1-02-7.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:00
Date Received: 04/10/25
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	77.5		%	0.100	NA	1	-	04/24/25 12:40	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-03
Client ID: A1-03-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:05
Date Received: 04/10/25
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	74.6		%	0.100	NA	1	-	05/01/25 13:30	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-05
Client ID: C7-01-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 11:00
Date Received: 04/10/25
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	81.6		%	0.100	NA	1	-	04/14/25 01:12	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-06
Client ID: C7-02-8.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 11:05
Date Received: 04/10/25
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	29.3		%	0.100	NA	1	-	04/24/25 12:40	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-07
Client ID: C7-03-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 11:10
Date Received: 04/10/25
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	82.6		%	0.100	NA	1	-	05/01/25 14:06	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-09
Client ID: B3-01-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:35
Date Received: 04/10/25
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	42.2		%	0.100	NA	1	-	04/14/25 01:12	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-10
Client ID: B3-02-8.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:40
Date Received: 04/10/25
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	-	04/24/25 12:40	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-11
Client ID: B3-03-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:45
Date Received: 04/10/25
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	37.6		%	0.100	NA	1	-	05/01/25 13:30	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-13
Client ID: C6-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 10:20
Date Received: 04/10/25
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	69.6		%	0.100	NA	1	-	04/14/25 01:12	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-16
Client ID: D8-01-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:05
Date Received: 04/10/25
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	52.6		%	0.100	NA	1	-	04/14/25 01:12	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-17
Client ID: D8-02-8.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:10
Date Received: 04/10/25
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	66.2		%	0.100	NA	1	-	04/24/25 12:40	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-18
Client ID: D8-03-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:15
Date Received: 04/10/25
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	61.0		%	0.100	NA	1	-	05/01/25 14:06	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-20
Client ID: C9-01-8FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:40
Date Received: 04/10/25
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	30.0		%	0.100	NA	1	-	04/14/25 01:12	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-21
Client ID: C9-02-8.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 12:45
Date Received: 04/10/25
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	69.6		%	0.100	NA	1	-	04/24/25 12:40	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-24
Client ID: B12-01-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:10
Date Received: 04/10/25
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	68.6		%	0.100	NA	1	-	04/14/25 01:12	121,2540G	SJB
Cyanide, Total	ND		mg/kg	1.3	0.28	1	04/14/25 19:20	04/15/25 15:44	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	1.17	0.233	1	04/16/25 11:28	04/17/25 09:48	1,7196A	RDS



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-25
Client ID: B12-02-11FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 14:15
Date Received: 04/10/25
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	62.2		%	0.100	NA	1	-	04/24/25 12:40	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

SAMPLE RESULTS

Lab ID: L2522253-27
Client ID: B9-01-12FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 13:05
Date Received: 04/10/25
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	86.9		%	0.100	NA	1	-	04/14/25 01:12	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAM**Lab Number:** L2522253**Project Number:** Z31.001.004**Report Date:** 05/06/25**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 24 Batch: WG2053731-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	04/14/25 19:20	04/15/25 15:19	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 24 Batch: WG2054517-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	04/16/25 11:28	04/17/25 09:48	1,7196A	RDS



Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522253

Project Number: Z31.001.004

Report Date: 05/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 24 Batch: WG2053731-2 WG2053731-3								
Cyanide, Total	82		88		80-120	7		35
General Chemistry - Westborough Lab Associated sample(s): 24 Batch: WG2054517-2								
Chromium, Hexavalent	97		-		80-120	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522253
Report Date: 05/06/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 24 QC Batch ID: WG2053731-4 WG2053731-5 QC Sample: L2521706-01 Client ID: MS Sample												
Cyanide, Total	ND	10	9.3	91		9.9	100		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 24 QC Batch ID: WG2053731-6 WG2053731-7 QC Sample: L2521706-02 Client ID: MS Sample												
Cyanide, Total	ND	10	9.6	96		9.4	90		75-125	6		35
General Chemistry - Westborough Lab Associated sample(s): 24 QC Batch ID: WG2054517-4 QC Sample: L2522253-24 Client ID: B12-01-10FT												
Chromium, Hexavalent	ND	1820	1520	84		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Project Number: Z31.001.004

Lab Number: L2522253

Report Date: 05/06/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,05,09,13,16,20,24,27 QC Batch ID: WG2053293-1 QC Sample: L2521977-08 Client ID: DUP Sample						
Solids, Total	81.4	81.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 24 QC Batch ID: WG2054517-6 QC Sample: L2522253-24 Client ID: B12-01-10FT						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02,06,10,17,21,25 QC Batch ID: WG2058039-1 QC Sample: L2520909-06 Client ID: DUP Sample						
Solids, Total	51.3	50.2	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 03,11 QC Batch ID: WG2061107-1 QC Sample: L2526484-01 Client ID: DUP Sample						
Solids, Total	99.9	99.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 07,18 QC Batch ID: WG2061121-1 QC Sample: L2522253-07 Client ID: C7-03-9FT						
Solids, Total	82.6	80.6	%	2		20

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522253**Project Number:** Z31.001.004**Report Date:** 05/06/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

B Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522253-01A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-01B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-01X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-01Y	Vial Water preserved split	B	NA		2.3	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-01Z	Vial Water preserved split	B	NA		2.3	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-02A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-02B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-02X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-02Y	Vial Water preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-02Z	Vial Water preserved split	B	NA		2.3	Y	Absent	24-APR-25 12:14	NYTCL-8260-R2(14)
L2522253-03A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-03B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-03X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-03Y	Vial Water preserved split	B	NA		2.3	Y	Absent	06-MAY-25 08:26	NYTCL-8260-R2(14)
L2522253-03Z	Vial Water preserved split	B	NA		2.3	Y	Absent	06-MAY-25 08:26	NYTCL-8260-R2(14)
L2522253-04A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		HOLD-8260(14)
L2522253-04B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-05A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-05B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-05X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-05Y	Vial Water preserved split	B	NA		2.3	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-05Z	Vial Water preserved split	B	NA		2.3	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522253**Project Number:** Z31.001.004**Report Date:** 05/06/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522253-06A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-06B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-06X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-06Y	Vial Water preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-06Z	Vial Water preserved split	B	NA		2.3	Y	Absent	24-APR-25 12:14	NYTCL-8260-R2(14)
L2522253-07A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-07B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-07X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-07Y	Vial Water preserved split	B	NA		2.3	Y	Absent	06-MAY-25 08:26	NYTCL-8260-R2(14)
L2522253-07Z	Vial Water preserved split	B	NA		2.3	Y	Absent	06-MAY-25 08:26	NYTCL-8260-R2(14)
L2522253-08A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		HOLD-8260(14)
L2522253-08B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-09A	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-PAH(14),TS(7)
L2522253-09B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-10A	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-PAH(14),HOLD-WETCHEM(),TS(7)
L2522253-10B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-11A	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-PAH(14),HOLD-WETCHEM(),TS(7),HOLD-8270(14)
L2522253-11B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-12A	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		HOLD-WETCHEM(),HOLD-8270(14)
L2522253-12B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-13A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		HG-T(28)
L2522253-13B	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-PAH(14)
L2522253-13C	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-14A	Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-14B	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		HOLD-8270(14)
L2522253-14C	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-15A	Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-15B	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		HOLD-8270(14)

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522253**Project Number:** Z31.001.004**Report Date:** 05/06/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522253-15C	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-16A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-16B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-16X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-16Y	Vial Water preserved split	B	NA		2.3	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-16Z	Vial Water preserved split	B	NA		2.3	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-17A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-17B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-17X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-17Y	Vial Water preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-17Z	Vial Water preserved split	B	NA		2.3	Y	Absent	24-APR-25 12:14	NYTCL-8260-R2(14)
L2522253-18A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-18B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-18X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-18Y	Vial Water preserved split	B	NA		2.3	Y	Absent	06-MAY-25 08:26	NYTCL-8260-R2(14)
L2522253-18Z	Vial Water preserved split	B	NA		2.3	Y	Absent	06-MAY-25 08:26	NYTCL-8260-R2(14)
L2522253-19A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		HOLD-8260(14)
L2522253-19B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-20A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-20B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-20X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-20Y	Vial Water preserved split	B	NA		2.3	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-20Z	Vial Water preserved split	B	NA		2.3	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-21A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-21B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-21X	Vial MeOH preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-21Y	Vial Water preserved split	B	NA		2.3	Y	Absent		NYTCL-8260-R2(14)
L2522253-21Z	Vial Water preserved split	B	NA		2.3	Y	Absent	24-APR-25 12:14	NYTCL-8260-R2(14)

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Serial_No:05062518:04
Lab Number: L2522253
Report Date: 05/06/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522253-22A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		HOLD-8260(14)
L2522253-22B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-23A	Vial Large Septa unpreserved (4oz)	B	NA		2.3	Y	Absent		HOLD-8260(14)
L2522253-23B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-24A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	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),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2522253-24B	Vial Large Septa unpreserved (4oz)	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2522253-24C	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2522253-24D	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2522253-24E	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2522253-24F	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-1633(90)
L2522253-24X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2522253-24Y	Vial Water preserved split	A	NA		2.9	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-24Z	Vial Water preserved split	A	NA		2.9	Y	Absent	18-APR-25 13:52	NYTCL-8260-R2(14)
L2522253-25A	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		HOLD-METAL(180)
L2522253-25B	Vial Large Septa unpreserved (4oz)	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2522253-25C	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		HOLD-8270(14),HOLD-8081(14),HOLD-8082(14)
L2522253-25D	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		HOLD-8270(14),HOLD-8081(14),HOLD-8082(14)
L2522253-25E	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		HOLD-WETCHEM(),TS(7)
L2522253-25F	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		HOLD-1633(90)
L2522253-25X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2522253-25Y	Vial Water preserved split	A	NA		2.9	Y	Absent	24-APR-25 12:14	NYTCL-8260-R2(14)
L2522253-25Z	Vial Water preserved split	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522253**Project Number:** Z31.001.004**Report Date:** 05/06/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522253-26A	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		HOLD-METAL(180)
L2522253-26B	Vial Large Septa unpreserved (4oz)	A	NA		2.9	Y	Absent		HOLD-8260(14)
L2522253-26C	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)
L2522253-26D	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)
L2522253-26E	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		HOLD-WETCHEM()
L2522253-26F	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		HOLD-1633(90)
L2522253-27A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		CR-TI(180)
L2522253-27B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		TS(7)
L2522253-28A	Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-28B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-29A	Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-29B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()
L2522253-30A	Glass 60mL/2oz unpreserved	B	NA		2.3	Y	Absent		HOLD-METAL(180)
L2522253-30B	Plastic 2oz unpreserved for TS	B	NA		2.3	Y	Absent		HOLD-WETCHEM()

Project Name: MARINE DRIVE CONFIRMATORY SAMP
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name: MARINE DRIVE CONFIRMATORY SAMP
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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.

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



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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- 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.)

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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.
- 144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

LIMITATION OF LIABILITIES

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at its own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**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.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****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.

Nonpotable Water: EPA RSK-175 Dissolved Gases**The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)****The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility – 8 Walkup Dr. Westborough, MA 01581****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 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).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****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**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

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Department: **Quality Assurance**

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Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 4		Date Rec'd in Lab 4/11/25		ALPHA Job # L2522253	
		Client Information Client: C+S Engineers Address: 141 Elm Street, Suite 100 Buffalo, NY 14203 Phone: Fax: Email: c.martin@cscos.com		Project Information Project Name: Marine Drive Confirmatory Sampling Project Location: Buffalo, NY Project # 231.001.005 (Use Project name as Project #) ☐ Project Manager: Cody Martin ALPHAQuote #: Turn-Around Time Standard ☒ Rush (only if pre approved) ☐ Due Date: # of Days:		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQulS (1 File) ☐ EQulS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #	
Regulatory Requirement ☐ NY TOGS ☒ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		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)		T O I B O T T L E	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		Please specify Metals or TAL.		Acetone TS		Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials				
2253 -01	A1-01-7 ft	4/10/25	0855	S	NFO	X	X		
-02	A1-02-7.5 ft		0900			X	X		
-03	A1-03-8 ft		0905			X	X		
-04	A1-04-8.5 ft		0910			X	X		
-05	C7-01-8 ft		1100			X	X		
-06	C7-02-8.5 ft		1105			X	X		
-07	C7-03-9 ft		1110			X	X		
-08	C7-04-9.5 ft	✓	1115	✓	✓	X	X		
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 Preservative		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.)	
Relinquished By:		Date/Time		Received By:		Date/Time			
[Signature]		4/10/25 4:40		Charles [Signature]		4-10-25 4:40			
[Signature]		4-10-25 4:46		[Signature]		4-10-25 4:46			
[Signature]		4-10-25 4:52		[Signature]		4-11-25 02:30			

 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 3 of 4		Date Rec'd in Lab 4/11/25		ALPHA Job # 12522253	
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		Project Information Project Name: Marine Drive Confirmatory Sampling Project Location: Buffalo, NY Project # 231.001.005 (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #	
Client Information Client: CTS Engineers Address: 141 Elm Street Suite 100 Buffalo, NY 14203 Phone: Fax: Email: Cmartin@ctseos.com		Project Manager: Cody Martin ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☒ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other:			
These samples have been previously analyzed by Alpha ☐						ANALYSIS			
Other project specific requirements/comments:						Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)			
Please specify Metals or TAL.						Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
22253-16 -17 -18 -19 -20 21 -22 -23		D8-01-8 ft D8-02-8.5 ft D8-03-9 ft D8-04-9.5 ft C9-01-8 ft C9-02-8.5 ft C9-03-9 ft C9-04-9.5 ft		4/10/25 12:05 12:10 12:15 12:20 12:40 12:45 12:50 12:55		Soil Soil Soil Soil Soil Soil Soil Soil		NFO NFO NFO NFO NFO NFO NFO NFO	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 P V		Preservative A A	
Relinquished By: [Signature] [Signature] [Signature]		Date/Time 4/10/25 4:40 4-10-25 4:44 4-10-25 10:52		Received By: [Signature] [Signature] [Signature]		Date/Time 4-10-25 4:40 4-10-25 4:44 04/11/25 02:30		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.)	



ANALYTICAL REPORT

Lab Number:	L2522305
Client:	C&S Companies 141 Elm Street, Suite 100 Buffalo, NY 14203
ATTN:	Cody Martin
Phone:	(716) 847-1630
Project Name:	MARINE DRIVE CONFIRMATORY
Project Number:	SAMP
Report Date:	Z31.001.004 05/12/25

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2522305-01	C12-01-5FT	SOIL	BUFFALO, NY	04/11/25 08:25	04/11/25
L2522305-02	C12-02-6FT	SOIL	BUFFALO, NY	04/11/25 08:30	04/11/25
L2522305-03	C12-03-7FT	SOIL	BUFFALO, NY	04/11/25 08:35	04/11/25
L2522305-04	D16-01-15FT	SOIL	BUFFALO, NY	04/11/25 09:10	04/11/25
L2522305-05	D15-03-10FT	SOIL	BUFFALO, NY	04/11/25 10:05	04/11/25
L2522305-06	D15-02-9FT	SOIL	BUFFALO, NY	04/11/25 10:00	04/11/25
L2522305-07	D15-01-11FT	SOIL	BUFFALO, NY	04/11/25 10:10	04/11/25

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Case Narrative (continued)

Report Submission

May 12, 2025: This final report includes the results of the following analyses:

L2522305-02 and -05: Total Metals

May 05, 2025: This is a preliminary report.

April 29, 2025: 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

L2522305-01, -04, and -06: 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.

Perfluorinated Alkyl Acids by 1633

L2522305-01: The Extracted Internal Standard recoveries were above the acceptance criteria for 1h,1h,2h,2h-perfluoro[1,2-13c2]octanesulfonic acid (m2-6:2fts) (335%), 1h,1h,2h,2h-perfluoro[1,2-13c2]decanesulfonic acid (m2-8:2fts) (377%), n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (207%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (202%). Since the sample was non-detect to the RL for all associated target analytes, re-analysis was not required.

Total Metals

L2522305-01, -02, -05, and -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG2055552-3 MS recoveries performed on L2522305-01 do not apply for aluminum (0%), calcium (265%), copper (204%), iron (0%), lead (200%) and magnesium (0%) because the sample concentrations are greater than four times the spike amounts added.

The WG2055552-3 MS recoveries performed on L2522305-01 are outside the acceptance criteria for

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Case Narrative (continued)

antimony (52%) and silver (137%). A post digestion spike was performed and was within acceptance criteria. The WG2055552-4 Laboratory Duplicate RPDs performed on L2522305-01 are outside the acceptance criteria for arsenic (26%), copper (22%), iron (62%), manganese (22%) and silver (21%) due to the non-homogeneous nature of the native sample.

Chromium, Hexavalent

The WG2055575-4 Insoluble MS recovery performed on L2522305-06 is below the acceptance criteria for chromium, hexavalent (70%). The Soluble MS recovery for chromium, hexavalent (62%) was also below criteria. This has been attributed to matrix interference. A post-spike was performed with an acceptable recovery of 92%.

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

Title: Technical Director/Representative

Date: 05/12/25

ORGANICS

VOLATILES

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-01
Client ID: C12-01-5FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 08:25
Date Received: 04/11/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/24/25 19:25
Analyst: TMH
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	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	2.7	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	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	0.70		ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-01
Client ID: C12-01-5FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 08:25
Date Received: 04/11/25
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	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	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	13		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
Methyl Acetate	ND		ug/kg	5.3	1.3	1
Cyclohexane	ND		ug/kg	13	0.72	1
1,4-Dioxane	ND		ug/kg	110	47.	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	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	95		70-130



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-04
 Client ID: D16-01-15FT
 Sample Location: BUFFALO, NY

Date Collected: 04/11/25 09:10
 Date Received: 04/11/25
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil
 Analytical Method: 1,8260D
 Analytical Date: 04/22/25 14:27
 Analyst: JIC
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Acetone	42		ug/kg	15	7.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	118		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-06
Client ID: D15-02-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 10:00
Date Received: 04/11/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/24/25 19:51
Analyst: TMH
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	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	0.65	0.26	1
Chlorobenzene	ND		ug/kg	0.65	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.91	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.22	1
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-06
Client ID: D15-02-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 10:00
Date Received: 04/11/25
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	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	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	ND		ug/kg	13	6.3	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	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
Methyl Acetate	ND		ug/kg	5.2	1.2	1
Cyclohexane	ND		ug/kg	13	0.71	1
1,4-Dioxane	ND		ug/kg	100	46.	1
Freon-113	ND		ug/kg	5.2	0.91	1
Methyl cyclohexane	ND		ug/kg	5.2	0.79	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	96		70-130



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/22/25 09:18
Analyst: MNF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG2057163-5					
Acetone	ND		ug/kg	10	4.8

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/24/25 10:04
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,06 Batch: WG2058231-5					
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
1,1,1,2-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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/24/25 10:04
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,06 Batch: WG2058231-5					
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
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/24/25 10:04
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,06 Batch: WG2058231-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG2057163-3 WG2057163-4								
Acetone	101		112		54-140	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		103		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	90		89		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,06 Batch: WG2058231-3 WG2058231-4								
Methylene chloride	96		96		70-130	0		30
1,1-Dichloroethane	104		105		70-130	1		30
Chloroform	95		97		70-130	2		30
Carbon tetrachloride	97		96		70-130	1		30
1,2-Dichloropropane	104		106		70-130	2		30
Dibromochloromethane	98		101		70-130	3		30
1,1,2-Trichloroethane	98		102		70-130	4		30
Tetrachloroethene	104		106		70-130	2		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	85		86		70-139	1		30
1,2-Dichloroethane	97		99		70-130	2		30
1,1,1-Trichloroethane	101		101		70-130	0		30
Bromodichloromethane	97		99		70-130	2		30
trans-1,3-Dichloropropene	103		107		70-130	4		30
cis-1,3-Dichloropropene	104		107		70-130	3		30
Bromoform	100		103		70-130	3		30
1,1,2,2-Tetrachloroethane	99		103		70-130	4		30
Benzene	99		100		70-130	1		30
Toluene	98		99		70-130	1		30
Ethylbenzene	97		100		70-130	3		30
Chloromethane	98		98		52-130	0		30
Bromomethane	61		60		57-147	2		30
Vinyl chloride	85		86		67-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522305

Project Number: Z31.001.004

Report Date: 05/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,06 Batch: WG2058231-3 WG2058231-4								
Chloroethane	75		74		50-151	1		30
1,1-Dichloroethene	100		100		65-135	0		30
trans-1,2-Dichloroethene	99		100		70-130	1		30
Trichloroethene	104		107		70-130	3		30
1,2-Dichlorobenzene	99		101		70-130	2		30
1,3-Dichlorobenzene	100		102		70-130	2		30
1,4-Dichlorobenzene	100		101		70-130	1		30
Methyl tert butyl ether	101		104		66-130	3		30
p/m-Xylene	101		103		70-130	2		30
o-Xylene	98		100		70-130	2		30
cis-1,2-Dichloroethene	96		96		70-130	0		30
Styrene	97		100		70-130	3		30
Dichlorodifluoromethane	64		64		30-146	0		30
Acetone	136		140		54-140	3		30
Carbon disulfide	97		94		59-130	3		30
2-Butanone	106		111		70-130	5		30
4-Methyl-2-pentanone	112		118		70-130	5		30
2-Hexanone	120		127		70-130	6		30
Bromochloromethane	95		97		70-130	2		30
1,2-Dibromoethane	101		107		70-130	6		30
1,2-Dibromo-3-chloropropane	97		103		68-130	6		30
Isopropylbenzene	104		106		70-130	2		30
1,2,3-Trichlorobenzene	99		101		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,06 Batch: WG2058231-3 WG2058231-4								
1,2,4-Trichlorobenzene	105		107		70-130	2		30
Methyl Acetate	124		131		51-146	5		30
Cyclohexane	109		111		59-142	2		30
1,4-Dioxane	86		94		65-136	9		30
Freon-113	98		97		50-139	1		30
Methyl cyclohexane	89		91		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		106		70-130
Dibromofluoromethane	93		94		70-130

SEMIVOLATILES

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-01
Client ID: C12-01-5FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 08:25
Date Received: 04/11/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 05/04/25 19:23
Analyst: ANH
Percent Solids: 74%

Extraction Method: EPA 1633
Extraction Date: 05/02/25 15:58
Cleanup Method: EPA 1633
Cleanup Date: 05/02/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.798	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.399	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.798	0.077	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.026	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.020	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.798	0.148	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.045	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.031	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.798	0.259	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.030	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.085	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.014	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.044	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.798	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.798	0.030	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.022	1



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-01
Client ID: C12-01-5FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 08:25
Date Received: 04/11/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.798	0.030	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.798	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.399	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.399	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.399	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.399	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.998	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.99	0.235	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.99	0.365	1

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-01
Client ID: C12-01-5FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 08:25
Date Received: 04/11/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	105				8-130	
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81				35-130	
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	106				40-135	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	114				40-165	
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	89				40-130	
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	96				40-130	
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	107				40-130	
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	106				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	335			Q	40-215	
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	111				40-130	
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	101				40-130	
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	106				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	377			Q	40-275	
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	207			Q	40-135	
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	111				40-130	
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	106				40-130	
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	202			Q	40-150	
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	95				40-130	
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	82				20-130	
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	88				40-130	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	84				10-130	
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	87				10-130	
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	92				20-130	
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	85				15-130	

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-06
Client ID: D15-02-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 10:00
Date Received: 04/11/25
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 05/04/25 19:32
Analyst: ANH
Percent Solids: 77%

Extraction Method: EPA 1633
Extraction Date: 05/02/25 15:58
Cleanup Method: EPA 1633
Cleanup Date: 05/02/25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.796	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.398	0.038	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.020	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.796	0.077	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.015	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.026	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.012	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.020	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.026	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.796	0.147	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.045	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.013	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.031	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.035	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.796	0.258	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.029	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.085	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.013	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.014	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.010	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.044	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.021	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.016	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.024	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.796	0.038	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.796	0.029	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.022	1



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-06
Client ID: D15-02-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 10:00
Date Received: 04/11/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.796	0.029	1
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.796	0.040	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.026	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.022	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.121	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.081	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.017	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.024	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.046	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.082	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.995	0.092	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.97	0.235	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.97	0.364	1

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-06
Client ID: D15-02-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 10:00
Date Received: 04/11/25
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Surrogate	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	99				8-130	
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	98				35-130	
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	98				40-135	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84				40-165	
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	107				40-130	
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	106				40-130	
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	99				40-130	
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	96				40-215	
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	93				40-130	
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	100				40-130	
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	97				40-130	
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	126				40-275	
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	101				40-135	
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	101				40-130	
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	91				40-130	
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	108				40-150	
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	93				40-130	
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	82				20-130	
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	90				40-130	
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	80				10-130	
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	85				10-130	
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	91				20-130	
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	94				15-130	

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/04/25 18:57
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 05/02/25 15:58
Cleanup Method: EPA 1633
Cleanup Date: 05/02/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01,06 Batch: WG2061366-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.028
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.038
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.020
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.078
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.015
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.026
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.012
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.020
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.026
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.148
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.045
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.013
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.031
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.035
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.259
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.030
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.086
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.013
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.014
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.010
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.044
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.021
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.016
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.024
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.038
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.030
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.022



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 05/04/25 18:57
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 05/02/25 15:58
Cleanup Method: EPA 1633
Cleanup Date: 05/02/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01,06 Batch: WG2061366-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.030
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.040
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.026
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.022
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.122
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.082
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.017
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.024
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.046
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.082
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.092
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.236
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	0.366

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Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01,06 Batch: WG2061366-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	102		8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	107		35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	96		40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84		40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	113		40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	106		40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	97		40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	84		40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	111		40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	103		40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	112		40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	84		40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	101		40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	91		40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85		40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	108		40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	85		20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	102		40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	87		10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	99		10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	91		20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	100		15-130



Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522305

Project Number: Z31.001.004

Report Date: 05/12/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,06 Batch: WG2061366-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	100		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		60-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		65-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	103		-		60-150	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		65-140	-		30
Perfluoropentanesulfonic Acid (PFPeS)	103		-		55-160	-		30
Perfluoroheptanoic Acid (PFHpA)	83		-		65-145	-		30
Perfluorohexanesulfonic Acid (PFHxS)	110		-		60-150	-		30
Perfluorooctanoic Acid (PFOA)	96		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		55-200	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		-		65-155	-		30
Perfluorononanoic Acid (PFNA)	97		-		70-155	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		65-160	-		30
Perfluorodecanoic Acid (PFDA)	105		-		70-155	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		-		70-150	-		30
Perfluorononanesulfonic Acid (PFNS)	105		-		55-140	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	89		-		65-155	-		30
Perfluoroundecanoic Acid (PFUnA)	101		-		70-155	-		30
Perfluorodecanesulfonic Acid (PFDS)	95		-		40-155	-		30
Perfluorooctanesulfonamide (PFOSA)	94		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	99		-		65-165	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522305

Project Number: Z31.001.004

Report Date: 05/12/25

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,06 Batch: WG2061366-2 LOW LEVEL								
Perfluorododecanoic Acid (PFDoA)	97		-		70-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	82		-		65-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	104		-		65-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	110		-		70-145	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	120		-		70-160	-		30
Perfluorododecanesulfonic Acid (PFDoS)	97		-		25-160	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	111		-		70-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUDS)	107		-		45-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	107		-		70-155	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	97		-		70-140	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	98		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	97		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	96		-		30-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	105		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	104		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	96		-		60-155	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	102		-		45-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	111		-		60-130	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	105		-		60-150	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	<i>Low Level LCS %Recovery</i>	<i>Qual</i>	<i>Low Level LCSD %Recovery</i>	<i>Qual</i>	<i>%Recovery Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD Limits</i>
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,06 Batch: WG2061366-2 LOW LEVEL								

<i>Surrogate</i>	<i>LCS %Recovery</i>	<i>Qual</i>	<i>LCSD %Recovery</i>	<i>Qual</i>	<i>Acceptance Criteria</i>
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	105				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	104				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	109				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	89				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	110				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	104				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	101				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	99				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	90				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	111				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	104				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	96				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	85				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	82				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	98				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	92				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	86				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	103				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	85				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	97				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	91				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	101				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	95				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	104				15-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522305

Project Number: Z31.001.004

Report Date: 05/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,06 Batch: WG2061366-3								
Perfluorobutanoic Acid (PFBA)	90		-		70-140	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		60-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	90		-		65-145	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	91		-		60-150	-		30
Perfluorohexanoic Acid (PFHxA)	91		-		65-140	-		30
Perfluoropentanesulfonic Acid (PFPeS)	106		-		55-160	-		30
Perfluoroheptanoic Acid (PFHpA)	91		-		65-145	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		60-150	-		30
Perfluorooctanoic Acid (PFOA)	94		-		70-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		-		55-200	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		65-155	-		30
Perfluorononanoic Acid (PFNA)	98		-		70-155	-		30
Perfluorooctanesulfonic Acid (PFOS)	93		-		65-160	-		30
Perfluorodecanoic Acid (PFDA)	95		-		70-155	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		70-150	-		30
Perfluorononanesulfonic Acid (PFNS)	105		-		55-140	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		65-155	-		30
Perfluoroundecanoic Acid (PFUnA)	97		-		70-155	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		40-155	-		30
Perfluorooctanesulfonamide (PFOSA)	86		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	97		-		65-165	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522305

Project Number: Z31.001.004

Report Date: 05/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,06 Batch: WG2061366-3								
Perfluorododecanoic Acid (PFDoA)	94		-		70-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	91		-		65-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	95		-		65-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	96		-		70-145	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	108		-		70-160	-		30
Perfluorododecanesulfonic Acid (PFDoS)	105		-		25-160	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	105		-		70-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUDS)	111		-		45-160	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	96		-		70-155	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	90		-		70-140	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	92		-		70-140	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	95		-		70-135	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	92		-		30-140	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	95		-		60-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	104		-		70-140	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	88		-		60-155	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	99		-		45-130	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	108		-		60-130	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	98		-		60-150	-		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,06 Batch: WG2061366-3								

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	124				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	129				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	130				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	117				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	126				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	128				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	117				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	125				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	106				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	129				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	113				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	120				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	99				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	96				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	120				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	114				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	101				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	120				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	106				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	122				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	107				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	129				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	113				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	122				15-130

METALS

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**SAMPLE RESULTS**

Lab ID: L2522305-01

Date Collected: 04/11/25 08:25

Client ID: C12-01-5FT

Date Received: 04/11/25

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4330		mg/kg	10.4	3.38	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	5.20	4.01	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Arsenic, Total	13.5		mg/kg	1.04	0.450	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Barium, Total	141		mg/kg	1.04	0.110	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.374	J	mg/kg	0.520	0.057	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.248	J	mg/kg	1.04	0.057	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Calcium, Total	28700		mg/kg	10.4	5.90	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Chromium, Total	9.67		mg/kg	1.04	0.882	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Cobalt, Total	5.46		mg/kg	2.08	0.258	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Copper, Total	168		mg/kg	1.04	0.236	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Iron, Total	18100		mg/kg	5.20	1.09	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Lead, Total	314		mg/kg	5.20	0.248	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Magnesium, Total	9870		mg/kg	10.4	1.70	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Manganese, Total	222		mg/kg	1.04	0.558	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Mercury, Total	5.32		mg/kg	0.172	0.112	2	04/18/25 11:04	04/21/25 06:24	EPA 7471B	1,7471B	CME
Nickel, Total	13.5		mg/kg	2.60	0.841	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Potassium, Total	562		mg/kg	260	52.8	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Selenium, Total	1.44	J	mg/kg	2.08	0.342	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Silver, Total	6.72		mg/kg	0.520	0.310	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Sodium, Total	1420		mg/kg	208	110.	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	2.08	0.939	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Vanadium, Total	11.9		mg/kg	1.04	0.157	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL
Zinc, Total	167		mg/kg	5.20	0.631	2	04/18/25 09:33	04/21/25 11:31	EPA 3050B	1,6010D	DHL



Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**SAMPLE RESULTS**

Lab ID: L2522305-02

Date Collected: 04/11/25 08:30

Client ID: C12-02-6FT

Date Received: 04/11/25

Sample Location: BUFFALO, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 42%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.57		mg/kg	1.83	0.792	2	05/06/25 10:52	05/09/25 18:06	EPA 3050B	1,6010D	EFM
Copper, Total	28.8		mg/kg	1.83	0.416	2	05/06/25 10:52	05/09/25 18:06	EPA 3050B	1,6010D	EFM
Lead, Total	213		mg/kg	9.17	0.437	2	05/06/25 10:52	05/09/25 18:06	EPA 3050B	1,6010D	EFM
Mercury, Total	0.849		mg/kg	0.178	0.116	1	05/06/25 11:59	05/09/25 12:41	EPA 7471B	1,7471B	SMV
Silver, Total	ND		mg/kg	0.917	0.547	2	05/06/25 10:52	05/09/25 18:06	EPA 3050B	1,6010D	EFM
Zinc, Total	42.5		mg/kg	9.17	1.11	2	05/06/25 10:52	05/09/25 18:06	EPA 3050B	1,6010D	EFM



Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**SAMPLE RESULTS**

Lab ID: L2522305-05

Date Collected: 04/11/25 10:05

Client ID: D15-03-10FT

Date Received: 04/11/25

Sample Location: BUFFALO, NY

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											
Lead, Total	4.04	J	mg/kg	4.64	0.221	2	05/06/25 10:52	05/09/25 18:11	EPA 3050B	1,6010D	EFM
Mercury, Total	ND		mg/kg	0.084	0.055	1	05/06/25 11:59	05/09/25 12:44	EPA 7471B	1,7471B	SMV



Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**SAMPLE RESULTS**

Lab ID: L2522305-06

Date Collected: 04/11/25 10:00

Client ID: D15-02-9FT

Date Received: 04/11/25

Sample Location: BUFFALO, NY

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	3540		mg/kg	9.88	3.21	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Antimony, Total	ND		mg/kg	4.94	3.80	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Arsenic, Total	5.59		mg/kg	0.988	0.427	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Barium, Total	55.5		mg/kg	0.988	0.105	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.188	J	mg/kg	0.494	0.054	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.137	J	mg/kg	0.988	0.054	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Calcium, Total	31900		mg/kg	9.88	5.60	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Chromium, Total	5.76		mg/kg	0.988	0.838	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Cobalt, Total	1.88	J	mg/kg	1.98	0.245	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Copper, Total	30.5		mg/kg	0.988	0.224	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Iron, Total	6180		mg/kg	4.94	1.04	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Lead, Total	406		mg/kg	4.94	0.235	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Magnesium, Total	3540		mg/kg	9.88	1.61	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Manganese, Total	84.7		mg/kg	0.988	0.530	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Mercury, Total	0.488		mg/kg	0.101	0.066	1	04/18/25 11:04	04/21/25 13:28	EPA 7471B	1,7471B	JWN
Nickel, Total	6.34		mg/kg	2.47	0.798	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Potassium, Total	338		mg/kg	247	50.1	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Selenium, Total	2.78		mg/kg	1.98	0.325	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.494	0.294	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Sodium, Total	761		mg/kg	198	105.	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	1.98	0.891	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Vanadium, Total	9.40		mg/kg	0.988	0.149	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY
Zinc, Total	104		mg/kg	4.94	0.599	2	04/18/25 09:33	04/22/25 11:22	EPA 3050B	1,6010D	CEY



Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522305

Project Number: Z31.001.004

Report Date: 05/12/25

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): 01,06 Batch: WG2055552-1										
Aluminum, Total	ND		mg/kg	4.00	1.30	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	1.54	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.173	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.042	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.022	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.022	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	2.27	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.339	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.099	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.091	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Iron, Total	0.876	J	mg/kg	2.00	0.420	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.095	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.652	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.214	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.323	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	20.3	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.132	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.119	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	42.4	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.361	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.060	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.242	1	04/18/25 09:33	04/21/25 11:14	1,6010D	DHL

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): 01,06 Batch: WG2055571-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	04/18/25 11:04	04/20/25 14:30	1,7471B	CME



Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2522305

Project Number: Z31.001.004

Report Date: 05/12/25

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,05 Batch: WG2062904-1									
Arsenic, Total	ND	mg/kg	0.400	0.173	1	05/06/25 10:52	05/06/25 14:58	1,6010D	DMC
Copper, Total	ND	mg/kg	0.400	0.091	1	05/06/25 10:52	05/06/25 14:58	1,6010D	DMC
Lead, Total	ND	mg/kg	2.00	0.095	1	05/06/25 10:52	05/06/25 14:58	1,6010D	DMC
Silver, Total	ND	mg/kg	0.200	0.119	1	05/06/25 10:52	05/06/25 14:58	1,6010D	DMC
Zinc, Total	ND	mg/kg	2.00	0.242	1	05/06/25 10:52	05/06/25 14:58	1,6010D	DMC

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): 02,05 Batch: WG2062908-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	05/06/25 11:59	05/06/25 13:36	1,7471B	JWN

Prep Information

Digestion Method: EPA 7471B



Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,06 Batch: WG2055552-2								
Aluminum, Total	103		-		80-120	-		
Antimony, Total	102		-		80-120	-		
Arsenic, Total	102		-		80-120	-		
Barium, Total	105		-		80-120	-		
Beryllium, Total	107		-		80-120	-		
Cadmium, Total	98		-		80-120	-		
Calcium, Total	105		-		80-120	-		
Chromium, Total	103		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	99		-		80-120	-		
Iron, Total	109		-		80-120	-		
Lead, Total	105		-		80-120	-		
Magnesium, Total	101		-		80-120	-		
Manganese, Total	104		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	109		-		80-120	-		
Selenium, Total	103		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	104		-		80-120	-		
Vanadium, Total	104		-		80-120	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,06 Batch: WG2055552-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,06 Batch: WG2055571-2					
Mercury, Total	108	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02,05 Batch: WG2062904-2					
Arsenic, Total	96	-	80-120	-	
Copper, Total	96	-	80-120	-	
Lead, Total	96	-	80-120	-	
Silver, Total	94	-	80-120	-	
Zinc, Total	98	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02,05 Batch: WG2062908-2					
Mercury, Total	107	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

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): 01,06 QC Batch ID: WG2055552-3 QC Sample: L2522305-01 Client ID: C12-01-5FT												
Aluminum, Total	4330	204	3960	0	Q	-	-		75-125	-		20
Antimony, Total	ND	51	26.4	52	Q	-	-		75-125	-		20
Arsenic, Total	13.5	12.2	23.8	84		-	-		75-125	-		20
Barium, Total	141	204	351	103		-	-		75-125	-		20
Beryllium, Total	0.374J	5.1	5.45	107		-	-		75-125	-		20
Cadmium, Total	0.248J	5.4	4.90	91		-	-		75-125	-		20
Calcium, Total	28700	1020	31400	265	Q	-	-		75-125	-		20
Chromium, Total	9.67	20.4	27.9	89		-	-		75-125	-		20
Cobalt, Total	5.46	51	49.2	86		-	-		75-125	-		20
Copper, Total	168	25.5	220	204	Q	-	-		75-125	-		20
Iron, Total	18100	102	9010	0	Q	-	-		75-125	-		20
Lead, Total	314	54	422	200	Q	-	-		75-125	-		20
Magnesium, Total	9870	1020	8760	0	Q	-	-		75-125	-		20
Manganese, Total	222	51	274	102		-	-		75-125	-		20
Nickel, Total	13.5	51	55.5	82		-	-		75-125	-		20
Potassium, Total	562	1020	1560	98		-	-		75-125	-		20
Selenium, Total	1.44J	12.2	14.0	114		-	-		75-125	-		20
Silver, Total	6.72	5.1	13.7	137	Q	-	-		75-125	-		20
Sodium, Total	1420	1020	2660	122		-	-		75-125	-		20
Thallium, Total	ND	12.2	11.4	93		-	-		75-125	-		20
Vanadium, Total	11.9	51	59.3	93		-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

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): 01,06 QC Batch ID: WG2055552-3 QC Sample: L2522305-01 Client ID: C12-01-5FT									
Zinc, Total	167	51	208	80	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,06 QC Batch ID: WG2055571-3 QC Sample: L2522305-01 Client ID: C12-01-5FT									
Mercury, Total	5.32	1.87	6.96	88	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG2062904-3 QC Sample: L2525805-01 Client ID: MS Sample									
Arsenic, Total	15.5	10.9	24.2	80	-	-	75-125	-	20
Copper, Total	13.1	22.6	35.3	98	-	-	75-125	-	20
Lead, Total	18.0	48	58.0	83	-	-	75-125	-	20
Silver, Total	ND	4.52	4.10	91	-	-	75-125	-	20
Zinc, Total	18.1	45.2	56.3	84	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG2062908-3 QC Sample: L2525805-01 Client ID: MS Sample									
Mercury, Total	0.075J	1.69	1.83	108	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,06 QC Batch ID: WG2055552-4 QC Sample: L2522305-01 Client ID: C12-01-5FT						
Aluminum, Total	4330	4370	mg/kg	1		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	13.5	10.4	mg/kg	26	Q	20
Barium, Total	141	169	mg/kg	18		20
Beryllium, Total	0.374J	0.444J	mg/kg	NC		20
Cadmium, Total	0.248J	0.152J	mg/kg	NC		20
Calcium, Total	28700	33400	mg/kg	15		20
Chromium, Total	9.67	9.76	mg/kg	1		20
Cobalt, Total	5.46	4.54	mg/kg	18		20
Copper, Total	168	209	mg/kg	22	Q	20
Iron, Total	18100	9580	mg/kg	62	Q	20
Lead, Total	314	363	mg/kg	14		20
Magnesium, Total	9870	10700	mg/kg	8		20
Manganese, Total	222	277	mg/kg	22	Q	20
Nickel, Total	13.5	11.1	mg/kg	20		20
Potassium, Total	562	566	mg/kg	1		20
Selenium, Total	1.44J	1.64J	mg/kg	NC		20
Silver, Total	6.72	8.32	mg/kg	21	Q	20
Sodium, Total	1420	1500	mg/kg	5		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Project Number: Z31.001.004

Lab Number: L2522305

Report Date: 05/12/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,06 QC Batch ID: WG2055552-4 QC Sample: L2522305-01 Client ID: C12-01-5FT					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	11.9	10.7	mg/kg	11	20
Zinc, Total	167	158	mg/kg	6	20
Total Metals - Mansfield Lab Associated sample(s): 01,06 QC Batch ID: WG2055571-4 QC Sample: L2522305-01 Client ID: C12-01-5FT					
Mercury, Total	5.32	4.78	mg/kg	11	20
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG2062904-4 QC Sample: L2525805-01 Client ID: DUP Sample					
Arsenic, Total	15.5	12.4	mg/kg	22	Q 20
Lead, Total	18.0	13.9	mg/kg	26	Q 20
Silver, Total	ND	ND	mg/kg	NC	20
Total Metals - Mansfield Lab Associated sample(s): 02,05 QC Batch ID: WG2062908-4 QC Sample: L2525805-01 Client ID: DUP Sample					
Mercury, Total	0.075J	0.118	mg/kg	NC	20

INORGANICS & MISCELLANEOUS

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-01
Client ID: C12-01-5FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 08:25
Date Received: 04/11/25
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	73.8		%	0.100	NA	1	-	04/18/25 04:47	121,2540G	JMN
Chromium, Hexavalent	ND		mg/kg	1.08	0.217	1	04/18/25 09:28	04/18/25 14:08	1,7196A	RDS



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-02
Client ID: C12-02-6FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 08:30
Date Received: 04/11/25
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	41.9		%	0.100	NA	1	-	05/01/25 13:30	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**SAMPLE RESULTS**

Lab ID: L2522305-04

Date Collected: 04/11/25 09:10

Client ID: D16-01-15FT

Date Received: 04/11/25

Sample Location: BUFFALO, NY

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	71.2		%	0.100	NA	1	-	04/18/25 18:43	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-05
Client ID: D15-03-10FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 10:05
Date Received: 04/11/25
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	81.1		%	0.100	NA	1	-	05/01/25 13:30	121,2540G	ROI



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

SAMPLE RESULTS

Lab ID: L2522305-06
Client ID: D15-02-9FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 10:00
Date Received: 04/11/25
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	-	04/18/25 04:47	121,2540G	JMN
Chromium, Hexavalent	ND		mg/kg	1.04	0.209	1	04/18/25 09:28	04/18/25 14:08	1,7196A	RDS



Project Name: MARINE DRIVE CONFIRMATORY SAM**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**Method Blank Analysis**
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,06 Batch: WG2055575-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	04/18/25 09:28	04/18/25 14:08	1,7196A	RDS



Lab Control Sample Analysis
Batch Quality Control**Project Name:** MARINE DRIVE CONFIRMATORY SAMP**Project Number:** Z31.001.004**Lab Number:** L2522305**Report Date:** 05/12/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,06 Batch: WG2055575-2								
Chromium, Hexavalent	104		-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,06 QC Batch ID: WG2055575-4 QC Sample: L2522305-06 Client ID: D15-02-9FT												
Chromium, Hexavalent	ND	1780	1240	70	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,06 QC Batch ID: WG2055488-1 QC Sample: L2522305-01 Client ID: C12-01-5FT						
Solids, Total	73.8	73.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01,06 QC Batch ID: WG2055575-6 QC Sample: L2522305-06 Client ID: D15-02-9FT						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG2055873-1 QC Sample: L2523829-01 Client ID: DUP Sample						
Solids, Total	95.8	96.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 02,05 QC Batch ID: WG2061107-1 QC Sample: L2526484-01 Client ID: DUP Sample						
Solids, Total	99.9	99.9	%	0		20

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522305-01A	Vial Large Septa unpreserved (4oz)	B	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L2522305-01B	Plastic 2oz unpreserved for TS	B	NA		3.8	Y	Absent		TS(7)
L2522305-01C	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2522305-01D	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		HEXCR-7196(30)
L2522305-01E	Glass 250ml/8oz unpreserved	B	NA		3.8	Y	Absent		HEXCR-7196(30)
L2522305-01F	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		A2-NY-1633(90)
L2522305-01X	Vial MeOH preserved split	B	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L2522305-01Y	Vial Water preserved split	B	NA		3.8	Y	Absent	19-APR-25 13:29	NYTCL-8260-R2(14)
L2522305-01Z	Vial Water preserved split	B	NA		3.8	Y	Absent	19-APR-25 13:29	NYTCL-8260-R2(14)
L2522305-02A	Vial Large Septa unpreserved (4oz)	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-02B	Plastic 2oz unpreserved for TS	B	NA		3.8	Y	Absent		HOLD-WETCHEM(),TS(7)
L2522305-02C	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		AS-TI(180),AG-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),HG-T(28)
L2522305-02D	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		HOLD-WETCHEM(),TS(7)
L2522305-02E	Glass 250ml/8oz unpreserved	B	NA		3.8	Y	Absent		HOLD-WETCHEM(),TS(7)
L2522305-02F	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		HOLD-1633(90)
L2522305-02X	Vial MeOH preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-02Y	Vial Water preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-02Z	Vial Water preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522305-03A	Vial Large Septa unpreserved (4oz)	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-03B	Plastic 2oz unpreserved for TS	B	NA		3.8	Y	Absent		HOLD-WETCHEM()
L2522305-03C	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		HOLD-METAL(180)
L2522305-03D	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		HOLD-WETCHEM()
L2522305-03E	Glass 250ml/8oz unpreserved	B	NA		3.8	Y	Absent		HOLD-WETCHEM()
L2522305-03F	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		HOLD-1633(90)
L2522305-03X	Vial MeOH preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-03Y	Vial Water preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-03Z	Vial Water preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-04A	Vial Large Septa unpreserved (4oz)	B	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L2522305-04B	Plastic 2oz unpreserved for TS	B	NA		3.8	Y	Absent		TS(7)
L2522305-04X	Vial MeOH preserved split	B	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L2522305-04Y	Vial Water preserved split	B	NA		3.8	Y	Absent	19-APR-25 13:29	NYTCL-8260-R2(14)
L2522305-04Z	Vial Water preserved split	B	NA		3.8	Y	Absent	19-APR-25 13:29	NYTCL-8260-R2(14)
L2522305-05A	Vial Large Septa unpreserved (4oz)	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-05B	Plastic 2oz unpreserved for TS	B	NA		3.8	Y	Absent		HOLD-WETCHEM(),TS(7)
L2522305-05C	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		PB-TI(180),HG-T(28)
L2522305-05D	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		HOLD-WETCHEM(),TS(7)
L2522305-05E	Glass 250ml/8oz unpreserved	B	NA		3.8	Y	Absent		HOLD-WETCHEM(),TS(7)
L2522305-05F	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		HOLD-1633(90)
L2522305-05X	Vial MeOH preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-05Y	Vial Water preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-05Z	Vial Water preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-06A	Vial Large Septa unpreserved (4oz)	B	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L2522305-06B	Plastic 2oz unpreserved for TS	B	NA		3.8	Y	Absent		TS(7)

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2522305**Project Number:** Z31.001.004**Report Date:** 05/12/25**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2522305-06C	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	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),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2522305-06D	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		HEXCR-7196(30)
L2522305-06E	Glass 250ml/8oz unpreserved	B	NA		3.8	Y	Absent		HEXCR-7196(30)
L2522305-06F	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		A2-NY-1633(90)
L2522305-06X	Vial MeOH preserved split	B	NA		3.8	Y	Absent		NYTCL-8260-R2(14)
L2522305-06Y	Vial Water preserved split	B	NA		3.8	Y	Absent	19-APR-25 13:29	NYTCL-8260-R2(14)
L2522305-06Z	Vial Water preserved split	B	NA		3.8	Y	Absent	19-APR-25 13:29	NYTCL-8260-R2(14)
L2522305-07A	Vial Large Septa unpreserved (4oz)	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-07B	Plastic 2oz unpreserved for TS	B	NA		3.8	Y	Absent		HOLD-WETCHEM()
L2522305-07C	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.8	Y	Absent		HOLD-METAL(180)
L2522305-07D	Glass 120ml/4oz unpreserved	B	NA		3.8	Y	Absent		HOLD-WETCHEM()
L2522305-07E	Glass 250ml/8oz unpreserved	B	NA		3.8	Y	Absent		HOLD-WETCHEM()
L2522305-07F	Plastic 8oz unpreserved	A	NA		2.0	Y	Absent		HOLD-1633(90)
L2522305-07X	Vial MeOH preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-07Y	Vial Water preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)
L2522305-07Z	Vial Water preserved split	B	NA		3.8	Y	Absent		HOLD-8260(14)

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Serial_No:05122510:30
Lab Number: L2522305
Report Date: 05/12/25

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Serial_No:05122510:30
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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
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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.

Report Format: DU Report with 'J' Qualifiers



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

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: MARINE DRIVE CONFIRMATORY SAMP
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Report Date: 05/12/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- 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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2522305
Report Date: 05/12/25

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.
- 144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

LIMITATION OF LIABILITIES

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at its own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**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.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****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.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**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 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, **LCHAT 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).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****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**

Pace Analytical Services LLCID No.: **17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 4/11/25		ALPHA Job # 125-00305									
		Project Information Project Name: <u>Marine Drive Confirmatory Sampling</u> Project Location: <u>Buffalo, NY</u> Project # <u>Z31.001.005</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQuIS (1 File) ☐ EQuIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #											
Client Information Client: <u>C+S Engineers</u> Address: <u>141 Elm St. Suite 100</u> <u>Buffalo, NY 14203</u> Phone: Fax: Email: <u>cmartin@cscor.com</u>		Project Manager: <u>Cody Martin</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☒ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		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:						ANALYSIS HEXCR NYTCL-8081 TCN A2-14-Dioxane- SIM NYTCL-8082 NYTCL-8270 Total Hg Total Metals A2-NY-1633 TS NYTCL-8260 Acetone		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)									
Please specify Metals or TAL.						Sample Specific Comments		Total Bottles									
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials	HEXCR	NYTCL-8081 TCN	A2-14-Dioxane- SIM NYTCL-8082 NYTCL-8270	Total Hg Total Metals	A2-NY-1633	TS	NYTCL-8260	Acetone				
02245-01	C12-01-5 ft	4/11/25	8:25	Soil	MF0	X	X	X	X	X	X	X			6		
-02	C12-02-6 ft		8:30			X	X	X	X	X	X	X		hold	6		
-03	C12-03-7 ft		8:35			X	X	X	X	X	X	X		hold	6		
-04	D16-01-15 ft		9:10								X	X			2		
-05	D15-03-10 ft		10:05			X	X	X	X	X	X	X		hold	6		
-06	D15-02-9 ft		10:00			X	X	X	X	X	X	X			6		
-07	D15-01-10 ft		10:10			X	X	X	X	X	X	X		hold	6		
	D16-01-15 ft		9:10														
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 G P P V V						Preservative A A A A A A A						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.)					
Relinquished By:		Date/Time		Received By:		Date/Time											
Natalie O'Brien		4/11/25 10:57		Jordan M. Fody (PACE)		4/11/25 10:57											
Jordan M. Fody (PACE)		4/11/25 10:57		Buffalo Service Center		4/11/25 10:57											
Russell B. King		4/11/25 15:54															
		0130		NY		04/12/25 01:50											



ANALYTICAL REPORT

Lab Number:	L2529985
Client:	C&S Companies 141 Elm Street, Suite 100 Buffalo, NY 14203
ATTN:	Cody Martin
Phone:	(716) 847-1630
Project Name:	MARINE DRIVE CONFIRMATORY
Project Number:	SAMP
Report Date:	Z31.001.004 05/20/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2529985-01	B3-04-9.5FT	SOIL	BUFFALO, NY	04/10/25 09:50	04/10/25
L2529985-02	C12-03-7FT	SOIL	BUFFALO, NY	04/11/25 08:35	04/11/25



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

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

L2529985-01: The sample was extracted with the method required holding time exceeded.

Total Metals

L2529985-02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

L2529985-02: The sample was analyzed with the method required holding time exceeded for mercury.

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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 05/20/25

ORGANICS

SEMIVOLATILES

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

SAMPLE RESULTS

Lab ID: L2529985-01
Client ID: B3-04-9.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:50
Date Received: 04/10/25
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 05/15/25 22:42
Analyst: SLR
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 05/14/25 21:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	50		10-136
4-Terphenyl-d14	60		18-120

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270E
 Analytical Date: 05/16/25 08:55
 Analyst: IMK

Extraction Method: EPA 3546
 Extraction Date: 05/14/25 09:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG2066452-1					
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	60		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2529985

Project Number: Z31.001.004

Report Date: 05/20/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG2066452-2 WG2066452-3								
Dibenzo(a,h)anthracene	61		59		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		61		25-120
Phenol-d6	61		62		10-120
Nitrobenzene-d5	56		57		23-120
2-Fluorobiphenyl	65		64		30-120
2,4,6-Tribromophenol	66		62		10-136
4-Terphenyl-d14	55		55		18-120

METALS

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2529985**Project Number:** Z31.001.004**Report Date:** 05/20/25**SAMPLE RESULTS**

Lab ID: L2529985-02

Date Collected: 04/11/25 08:35

Client ID: C12-03-7FT

Date Received: 04/11/25

Sample Location: BUFFALO, NY

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											
Lead, Total	116		mg/kg	5.44	0.259	2	05/15/25 17:52	05/18/25 17:38	EPA 3050B	1,6010D	DHL
Mercury, Total	2.70		mg/kg	0.094	0.062	1	05/15/25 20:00	05/17/25 13:40	EPA 7471B	1,7471B	MJR



Project Name: MARINE DRIVE CONFIRMATORY SAMP

Lab Number: L2529985

Project Number: Z31.001.004

Report Date: 05/20/25

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): 02 Batch: WG2067238-1									
Lead, Total	ND	mg/kg	2.08	0.099	1	05/15/25 17:52	05/18/25 15:44	1,6010D	DHL

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): 02 Batch: WG2067242-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	05/15/25 20:00	05/17/25 12:20	1,7471B	MJR

Prep Information

Digestion Method: EPA 7471B



Lab Control Sample Analysis **Batch Quality Control**

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG2067238-2								
Lead, Total	102		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG2067242-2								
Mercury, Total	98		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

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): 02 QC Batch ID: WG2067238-3 QC Sample: L2529508-01 Client ID: MS Sample												
Lead, Total	7.94	50.5	53.1	89		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG2067242-3 QC Sample: L2528277-01 Client ID: MS Sample												
Mercury, Total	ND	1.38	1.36	99		-	-		80-120	-		20

Lab Duplicate Analysis*Batch Quality Control***Project Name:** MARINE DRIVE CONFIRMATORY SAMP**Project Number:** Z31.001.004**Lab Number:** L2529985**Report Date:** 05/20/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG2067238-4 QC Sample: L2529508-01 Client ID: DUP Sample						
Lead, Total	7.94	8.18	mg/kg	3		20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG2067242-4 QC Sample: L2528277-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

SAMPLE RESULTS

Lab ID: L2529985-01
Client ID: B3-04-9.5FT
Sample Location: BUFFALO, NY

Date Collected: 04/10/25 09:50
Date Received: 04/10/25
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	69.5		%	0.100	NA	1	-	05/16/25 21:07	121,2540G	SJB



Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

SAMPLE RESULTS

Lab ID: L2529985-02
Client ID: C12-03-7FT
Sample Location: BUFFALO, NY

Date Collected: 04/11/25 08:35
Date Received: 04/11/25
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	72.0		%	0.100	NA	1	-	05/17/25 17:46	121,2540G	SJB



Lab Duplicate Analysis*Batch Quality Control***Project Name:** MARINE DRIVE CONFIRMATORY SAMP**Project Number:** Z31.001.004**Lab Number:** L2529985**Report Date:** 05/20/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG2067792-1 QC Sample: L2529478-37 Client ID: DUP Sample						
Solids, Total	81.9	82.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG2067963-1 QC Sample: L2529087-01 Client ID: DUP Sample						
Solids, Total	97.1	96.8	%	0		20

Project Name: MARINE DRIVE CONFIRMATORY SAMP**Lab Number:** L2529985**Project Number:** Z31.001.004**Report Date:** 05/20/25**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2529985-01A	Glass 120ml/4oz unpreserved	B	NA		2.3	Y	Absent		NYTCL-8270(14),TS(7)
L2529985-02B	Plastic 2oz unpreserved for TS	D	NA		3.8	Y	Absent		TS(7)
L2529985-02C	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.8	Y	Absent		PB-TI(180),HG-T(28)

Project Name: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- 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: MARINE DRIVE CONFIRMATORY SAMP
Project Number: Z31.001.004

Lab Number: L2529985
Report Date: 05/20/25

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

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 27

Published Date: 01/24/2025

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Certification Information

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**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.

MADEP-APH.**Nonpotable Water:** EPA RSK-175 Dissolved Gases**Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****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.

Nonpotable Water: EPA RSK-175 Dissolved Gases

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048**Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**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 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, **LCHAT 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).**Microbiology:** SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****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**

Pace Analytical Services LLCID No.:**17873**Facility: **Northeast**

Revision 27

Department: **Quality Assurance**

Published Date: 01/24/2025

Title: **Certificate/Approval Program Summary**

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Certification IDs:**Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**

CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

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NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		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 <u>4/11/25</u>		ALPHA Job # <u>25-02305</u>																																																																																																																																																																						
		Project Information Project Name: <u>Marine Drive Confirmatory Sampling</u> Project Location: <u>Buffalo, NY</u> Project # <u>Z31.001.005</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #																																																																																																																																																																								
Client Information Client: <u>C+S Engineers</u> Address: <u>141 Elm St. Suite 100</u> <u>Buffalo, NY 14203</u> Phone: Fax: Email: <u>cmartin@cscor.com</u>		Project Manager: <u>Cody Martin</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre-approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☒ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		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:						ANALYSIS ~~HEXOR~~ ~~NYTCL-8081 TCN~~ ~~AZ-14-Dioxane~~ ~~SIM NYTCL-8082~~ ~~NYTCL-8270~~ ~~Total Hg Total Metals~~ ~~AZ-NY-1633~~ ~~TS~~ ~~NYTCL-9200~~ ~~Acetone~~ ~~NYTCL-8081 TCN~~ ~~AZ-14-Dioxane~~ ~~SIM NYTCL-8082~~ ~~NYTCL-8270~~ ~~Total Hg Total Metals~~ ~~AZ-NY-1633~~ ~~TS~~ ~~NYTCL-9200~~ ~~Acetone~~		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)																																																																																																																																																																						
Please specify Metals or TAL.						Sample Specific Comments		Total Bottles																																																																																																																																																																						
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th colspan="10"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="10"></th> </tr> </thead> <tbody> <tr> <td rowspan="7">29985-02</td> <td>~~C12-01 5 ft~~</td> <td rowspan="7">4/11/25</td> <td>8:25</td> <td rowspan="7">Soil</td> <td rowspan="7">MFO</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td></td> <td></td> </tr> <tr> <td>~~C12-02 6 ft~~</td> <td>8:30</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>hold</td> </tr> <tr> <td>~~C12-03 7 ft~~</td> <td>8:35</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>hold</td> </tr> <tr> <td>~~D10-01 15 ft~~</td> <td>9:10</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>hold</td> </tr> <tr> <td>~~D15-03 10 ft~~</td> <td>10:05</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>hold</td> </tr> <tr> <td>~~D15-02 9 ft~~</td> <td>10:00</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>hold</td> </tr> <tr> <td>~~D15-01 11 ft~~</td> <td>10:10</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>~~X~~</td> <td>hold</td> </tr> <tr> <td></td> <td>~~D10-01 15 ft~~</td> <td></td> <td>9:10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						ALPHA Lab ID (Lab Use Only)	Sample ID			Collection		Sample Matrix	Sampler's Initials											Date	Time											29985-02	~~C12-01 5 ft~~	4/11/25	8:25	Soil	MFO	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			~~C12-02 6 ft~~	8:30	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	hold	~~C12-03 7 ft~~	8:35	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	hold	~~D10-01 15 ft~~	9:10	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	hold	~~D15-03 10 ft~~	10:05	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	hold	~~D15-02 9 ft~~	10:00	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	hold	~~D15-01 11 ft~~	10:10	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	hold		~~D10-01 15 ft~~		9:10													
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 Preservative		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.)																																																																																																																																																																						
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		<u>Natalie O'Brien</u>		<u>4/11/25 10:57</u>		<u>Joseph M. Fody (PAC)</u>		<u>4/11/25 10:57</u>																																																																																																																																																																						
		<u>Joseph M. Fody (PAC)</u>		<u>4/11/25 10:57</u>		<u>Buffalo Service Center</u>		<u>4/11/25 10:57</u>																																																																																																																																																																						
		<u>Russell J. King</u>		<u>4/11/25 15:54</u>		<u>NY</u>		<u>04/12/25 01:50</u>																																																																																																																																																																						