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Phase II
Environmental
Site Assessment Report

For:

37 Gramercy Park East and 38 Gramercy Park North

Block 876, Lots 25 and 26

New York, NY 10010

Prepared for:

252 Gramercy Owners LLC
September 4, 2024

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AWQS	Class GA Ambient Water Quality Standards and Guidance Values
BER	Business Environmental Risk
cis-1,2-DCE	cis-1,2-dichloroethene
EDR	Environmental Data Resources
ELAP	Environmental laboratory Accreditation Program
ESA	Environmental Site Assessment
GPR/EM	Ground Penetrating Radar/Electromagnetic
MSL	Mean Sea Level
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanic Acid
PFOS	Perfluorooctanesulfonic Acid
PID	Photoionization Detector
REC	Recognized Environmental Condition
RRSCO	Restricted Residential Soil Cleanup Objective
RSCO	Residential Soil Cleanup Objective
SESI	SESI Consulting Engineers, DPC
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
TCE	Trichloroethene
TOGS	Technical and Operational Guidance Series 1.1.1
trans-1,2-DCE	trans-1,2-dichloroethene
USCO	Unrestricted Use Soil Cleanup Objective
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VC	Vinyl Chloride
VOC	Volatile Organic Compound

1.0 INTRODUCTION

SESI Consulting Engineers (SESI) has conducted this Phase II Environmental Site Assessment (Phase II ESA) on behalf of 252 Gramercy Owner LLC, for the property located at 37 Gramercy Park East and 38 Gramercy Park North, New York City, New York, Block 876, Lots 25 and 26 ("Site"). A Site Location Map is presented as **Figure 1.1**.

A Site Plan / Tax Map is presented as **Figure 1.2**.

This Phase II Site investigation report complies with the 2019 American Society for Testing and Materials Standard (ASTM E1903-19) and the New York State Department of Environmental Conservation ("NYSDEC") Guidance Document for Site Investigations DER-10.

1.1. SITE SETTING

The Site consists of two (2) contiguous parcels identified on local tax maps as Block 876, Lots 25 and 26, and totals approximately 0.16 acres in size. Each lot was previously improved with separate five (5)-story residential apartment buildings. The Site was developed prior to 1903 based on Sanborn maps and is in a residential and commercial area. **Figure 1.2** presents a Site Plan, and adjacent properties are summarized in **Table 1.1** below.

Table 1.1: Summary of Surrounding Properties

Direction	**Adjacent Property**
North	E. 21st Street and Residential Apartments
South	Residential Apartments
East	Commercial/Office/Residential/Retail
West	Gramercy Park E. and Gramercy Park

The planned redevelopment of the Site includes the construction of mixed residential / commercial apartments with amenities, parking and a cellar.

1.2. SITE HISTORY

According to the Phase I ESA, 37 Gramercy Park East and 38 Gramercy Park North, New York, New York, prepared by SESI Consulting Engineers, dated June 2024, the Site has been improved with the existing residential apartment buildings since at least 1903. Lot 25 has been residences

and home businesses. Lot 26 has been residences and commercial operations such as SMP Photo Store (circa 1983-1992), SMP Labs & Sales (circa 1983-1995), and Stardust Antiques (circa 1995).

1.3. PREVIOUS ENVIRONMENTAL INVESTIGATIONS

The Phase I ESA dated June 2024 conducted by SESI Consulting Engineers identified two (2) Recognized Environmental Concerns (RECs) at the property (REC-1 Adjacent Property Historic Operations, and REC-2 Subject Property Historic Operations). In addition, nine (9) Business Environmental Risk (BERs) were identified, which are BER-1 Petroleum Containers, BER-2 Former Vent, BER-3 Stained Concrete, BER-4 Pits, BER-5 Monitoring Wells, BER-6 Polychlorinated Biphenyls (PCB) Caulk, BER-7 Asbestos Containing Material, BER-8 Universal Waste, and BER-9 Lead Based Paint.

Based on interviews and walk-throughs conducted during the Phase I ESA**,** it was concluded that additional investigation of REC-1 and REC-2 is warranted. The Phase I ESA is included in **Appendix A**.

2.0 SUBSURFACE INVESTIGATION

SESI conducted a Phase II ESA in order to investigate potential environmental impacts at REC-1 and REC-2. The project included the installation of soil borings and soil sampling, installation of temporary groundwater monitoring wells and collection of groundwater samples, and installation and sampling of soil vapor points. The field work was conducted on June 19, June 20, and July 30, 2024, in accordance with the Scope of Work and contract for services outlined in a Professional Services Agreement (Agreement) dated May 16, 2024.

2.1. UTILITY CLEARANCE AND GEOPHYSICAL SURVEY

Prior to conducting subsurface drilling, SESI's drilling contractor, PG Environmental Services, Inc., contacted New York's utility mark-out system. In addition, SESI retained PG Environmental Services, Inc. to locate underground utilities not included in the one-call and to conduct a geophysical survey at Lot 25 and 26 using ground penetrating radar (GPR) and electromagnetic (EM) detection. The GPR/EM surveying was performed to clear soil boring locations, as well as to search for potential underground storage tanks (USTS). No anomalies consistent with USTs were identified.

2.2. PHASE II ESA FIELD ACTIVITIES

Ten (10) direct push borings were advanced using a Geoprobe on the Site. Boring locations were distributed throughout the footprint of the two parcels and targeted to areas of suspected impacts. A total of ten (10) soil samples, three (3) groundwater samples, and four (4) sub-slab soil vapor samples were collected and analyzed at Alpha Analytical, a New York State Department of Health (NYSDOH) Environmental laboratory Accreditation Program (ELAP)-certified laboratory. The boring and sampling locations are shown in **Figure 2.1** and a sample summary table is provided as **Table 2.1**.

The soil samples were screened using a photoionization detector (PID), and visual and olfactory evidence of contamination. The soil samples were collected from each boring from the interval that exhibited the greatest evidence of impacts or based upon professional judgment if no impacts were observed. All soil samples were named based on their respective soil boring number and specified depth. PID readings and detailed soil descriptions are provided in the boring logs presented in **Appendix A**.

Groundwater samples were collected from Boring SB-1 (TW-1), SB-3 (TW-2), and SB-8 (TW-3). SB-1 (TW-1) and SB-3 (TW-2) were sampled using the volume averaged purging and sampling (VAPS) method while SB-8 (TW-3) was sampled using the low flow purging and sampling (LFPS) method.

Four (4) sub-slab soil vapor samples were collected from SV-1, SV-2, SV-3, and SV-4. The vapor points were installed to a depth of 3 feet below the top of the slab. Helium tests were performed prior to sampling to ensure there were no leaks from the enclosure. The soil vapor samples were collected in accordance with the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006).

Soil and groundwater samples were analyzed for Target Compound List (TCL)/Target Analyte List (TAL) +30 list including volatile organic compounds (VOCs) by EPA Method 8260, semi-VOCs (SVOCs) by EPA Method 8270, TAL metals, PCBs by EPA Method 8082A, pesticides by EPA Method 8081, in addition to cyanide, and per and polyfluoroalkyl substances (PFAS) by EPA Method 1633. Additionally, groundwater samples were analyzed for 1,4 dioxane by EPA Method 8270D SIM. Soil vapor samples were analyzed for VOCs in accordance with EPA Method TO-15..

Table 2.1: Summary of Sample Collection

Soil Samples					
Soil Samples	Type	Terminal Depth (ft)	Sample Depth from Basement Level(ft)	Date	Analysis
SB-01	Soil Boring	15	7.5-8	6/19/2024	TCL+30/TAL, PFAS
SB-02	Soil Boring	15	7-7.5	6/19/2024	TCL+30/TAL, PFAS
SB-03	Soil Boring	15	6.5-7	6/19/2024	TCL+30/TAL, PFAS
SB-04	Soil Boring	11	10.5-11	6/21/2024	TCL+30/TAL, PFAS
SB-05	Soil Boring	15	13.5-14	6/21/2024	TCL+30/TAL, PFAS
SB-06	Soil Boring	15	12-12.5	6/21/2024	TCL+30/TAL, PFAS
SB-07	Soil Boring	15	4-4.5	6/21/2024	TCL+30/TAL, PFAS
SB-08	Soil Boring	15	7-7.5	7/25/2024	TCL+30/TAL, PFAS
SB-09	Soil Boring	15	13.5-14	7/25/2024	TCL+30/TAL, PFAS
SB-10	Soil Boring	14	1.5-2	7/25/2024	TCL+30/TAL, PFAS
SB-11	Soil Boring	10	n/a	7/25/2024	n/a
Groundwater Samples					
Location Name	Type	Terminal Depth (ft)	Screen Interval (ft)	Date	Analysis
TW-1 / SB-1	Monitoring Well	15	5-15	6/20/2024	TCL+30/TAL, PFAS, and 1,4-Dioxane
TW-2 / SB-3	Monitoring Well	15	5-15	6/20/2024	TCL+30/TAL, PFAS, and 1,4-Dioxane
TW-3 / SB-8	Monitoring Well	14.95	4.95-14.95	7/30/2024	TCL+30/TAL, PFAS, and 1,4-Dioxane
Soil Vapor Samples					
Location Name	Type	Maximum Depth (ft)	Sample Depth (ft)	Date	Analysis
SV-1	Soil Vapor	-	3	6/20/2024	TO-15
SV-2	Soil Vapor	-	3	6/20/2024	TO-15
SV-3	Soil Vapor	-	3	6/21/2024	TO-15
SV-4	Soil Vapor	-	3	7/30/2024	TO-15

3.0 PHASE II ESA FINDINGS

In total, one (1) sample was collected from each of the ten (10) borings as part of the Phase II ESA, as listed in **Table 2.1** above.

Fill material was observed on site, varying in depth from 1 to 7 feet from basement level, and composed of a mixture of gravel, sand, silt, clay, brick, and concrete. Beneath the fill, the native soil consists of a layer of coarse to fine sand with varying amounts of silt and gravel, with a thickness ranging from 0 to 6 feet. This is followed by a layer of fine material composed of silty clay and/or clayey silt, with a thickness ranging from 1 to 8 feet. At the bottom of the unconsolidated zone, a layer of coarse to fine sand is present in select borings, with a thickness ranging from 0 to 6 feet. Groundwater was encountered approximately 11 feet from basement level. Based on the geotechnical borings conducted at the site, bedrock was encountered from 12 to 22 feet bgs. Boring logs are included as **Appendix A**.

3.1. SOIL INVESTIGATION RESULTS

A table of the analytical results compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (USCOs), Residential Soil Cleanup Objectives (RSCOs), Restricted Residential Soil Cleanup Objectives (RRSCOs), and the NYSDEC Soil Screening Levels for emerging contaminants (NYSDEC Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs) is presented on **Table 3.1.** A summary of the samples exceeding the SCOs is presented on **Table 3.2** below and on **Figure 3.1**. The laboratory analytical data is provided in **Appendix B.**

As presented on **Table 3.2** below, tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), vinyl chloride (VC), total xylenes, 4,4'-DDT and acetone were detected at concentrations exceeding the USCO. Furthermore, PCE and cis-1,2-DCE were detected at concentrations exceeding their respective RSCOs. Additionally, TCE was detected in SB-1 at a concentration exceeding the RRSCO.

These findings are presented in **Table 3.2** below. Conclusions and recommendations are discussed in **Section 4.0**.

Table 3.2: Summary of Soil Sample Exceedances

LOCATION					SB-1 (7.5-8)	SB-1 (7.5-8)	SB-2 (7-7.5)	SB-3 (6.5-7)	SB-5 (13.5-14)
SAMPLING DATE					6/19/2024	6/19/2024	6/19/2024	6/19/2024	6/21/2024
LAB SAMPLE ID					L2434670-01	L2434670-01 R1	L2434670-02	L2434670-03	L2435416-01
SAMPLE TYPE					SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE DEPTH (ft.)									
	USCOs	RSCOs	RRSCOs	Units					
Organochlorine Pesticides by GC									
4,4'-DDT	0.0033	1.7	7.9	mg/kg	ND(0.00258)	-	ND(0.00183)	ND(0.00182)	ND(0.00186)
Volatile Organics by EPA 5035									
Tetrachloroethene	1.3	5.5	19	mg/kg	17	-	0.016	ND(0.00053)	ND(0.00054)
Vinyl chloride	0.02	0.21	0.9	mg/kg	0.04	-	ND(0.0013)	ND(0.001)	ND(0.0011)
trans-1,2-Dichloroethene	0.19	100	100	mg/kg	0.4	-	0.0019	ND(0.0016)	ND(0.0016)
Trichloroethene	0.47	10	21	mg/kg	24	-	0.024	ND(0.00053)	ND(0.00054)
Xylenes, Total	0.26	100	100	mg/kg	0.3	-	ND(0.0013)	ND(0.001)	ND(0.0011)
cis-1,2-Dichloroethene	0.25	59	100	mg/kg	62	55	0.062	0.00056	ND(0.0011)
Acetone	0.05	100	100	mg/kg	0.53	-	0.068	0.022	ND(0.011)

LOCATION					SB-6 (12-12.5)	SB-4 (10.5-11)	SB-7 (4-4.5)	SB-08 (7-7.5)	SB-09 (13.5-14)	SB-10 (1.5-2)
SAMPLING DATE					6/21/2024	6/21/2024	6/21/2024	7/29/2024	7/29/2024	7/29/2024
LAB SAMPLE ID					L2435416-02	L2435416-03	L2435416-04	L2442539-01	L2442539-02	L2442539-03
SAMPLE TYPE					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE DEPTH (ft.)										
	USCOs	RSCOs	RRSCOs	Units						
Organochlorine Pesticides by GC										
4,4'-DDT	0.0033	1.7	7.9	mg/kg	ND(0.00173)	ND(0.00184)	0.00668	ND(0.00191)	ND(0.0019)	ND(0.00177)
Volatile Organics by EPA 5035										
Tetrachloroethene	1.3	5.5	19	mg/kg	ND(0.00082)	ND(0.00052)	ND(0.00068)	ND(0.00051)	ND(0.00048)	ND(0.00048)
Vinyl chloride	0.02	0.21	0.9	mg/kg	ND(0.0016)	ND(0.001)	ND(0.0014)	ND(0.001)	ND(0.00095)	ND(0.00096)
trans-1,2-Dichloroethene	0.19	100	100	mg/kg	ND(0.0025)	ND(0.0016)	ND(0.002)	ND(0.0015)	ND(0.0014)	ND(0.0014)
Trichloroethene	0.47	10	21	mg/kg	ND(0.00082)	ND(0.00052)	ND(0.00068)	ND(0.00051)	ND(0.00048)	ND(0.00048)
Xylenes, Total	0.26	100	100	mg/kg	ND(0.0016)	ND(0.001)	ND(0.0014)	ND(0.001)	ND(0.00095)	ND(0.00096)
cis-1,2-Dichloroethene	0.25	59	100	mg/kg	ND(0.0016)	0.00075	ND(0.0014)	ND(0.001)	ND(0.00095)	ND(0.00096)
Acetone	0.05	100	100	mg/kg	0.027	0.024	ND(0.014)	0.013	ND(0.0095)	ND(0.0096)

ND: Not Detected

Concentration Exceeds the USCOs
Concentration Exceeds the RSCOs
Concentration Exceeds the RRSCOs

3.2. GROUNWATER INVESTIGATION RESULTS

A table of the analytical results compared to NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS) Class GA Ambient Water Quality Standards and Guidance Values (AWQS) is presented on **Table 3.3.** A summary of compounds exceeding the AWQS is presented on **Table 3.4** below and on **Figure 3.2**. The laboratory analytical report is provided in **Appendix B**.

As presented on **Table 3.4** below, VOC-impacted groundwater was identified at the east corner of the site. PCE, TCE, cis-1,2-DCE, and VC were detected at concentrations exceeding the AWQS at high concentrations. However, these compounds were detected at significantly lower concentrations elsewhere. Additionally, no other VOCs were detected at concentrations exceeding the AWQS at any of the three sample locations.

Several metals were detected at concentrations exceeding the AWQSs in the groundwater samples, which include chromium (Cr), iron (Fe), lead (Pb), manganese (Mn), sodium (Na), and thallium (Tl). In addition, naphthalene, an SVOC, was detected at SB-1 (TW-1) at a concentration of 24 ug/L, exceeding the AWQS of 10 ug/L.

Conclusions and recommendations are discussed in **Section 4.0**.

Table 3.4: Summary of Groundwater Sample Exceedances

LOCATION			TW-1	TW-2	TW-3
SAMPLING DATE			6/20/2024	6/20/2024	7/30/2024
LAB SAMPLE ID			L2435415-01	L2435415-02	L2442710-01
SAMPLE TYPE			WATER	WATER	WATER
	AWQS	Units			
Semivolatile Organics by GC/MS-SIM					
Naphthalene	10	ug/l	24	0.6	0.03
Total Metals					
Chromium, Total	50	ug/l	68.4	31.2	2.33
Iron, Total	300	ug/l	49000	27900	1660
Lead, Total	25	ug/l	51.92	70.7	2.03
Manganese, Total	300	ug/l	2894	1560	2055
Sodium, Total	20000	ug/l	52300	70700	19400
Thallium, Total	0.5	ug/l	1.17	0.49	ND(1)
Volatile Organics by GC/MS					
Tetrachloroethene	5	ug/l	44000	5.5	0.34
Vinyl chloride	2	ug/l	22	ND(1)	ND(1)
Trichloroethene	5	ug/l	8000	1.1	ND(0.5)
cis-1,2-Dichloroethene	5	ug/l	8600	2.7	ND(2.5)

ND: Not Detected

Concentration exceeds the AWQS

3.3. SUB-SLAB/SOIL VAPOR INVESTIGATION RESULTS

Four (4) soil vapor samples were collected and analyzed for VOCs in accordance with EPA Method TO-15. A summary of the analytical results is presented on **Table 3.5**. A summary of the soil vapor and ambient/indoor air detections is presented on **Table 3.6** below and **Figure 3.6**. The laboratory analytical report is provided in **Appendix B**.

As presented on **Table 3.6** below, various VOCs were detected in the soil vapor samples. The concentration of these compounds was evaluated against the NYSDEC Soil Vapor/Indoor Air matrices. Notably, PCE, TCE and 1,2-DCE were detected at levels exceeding their corresponding criteria by one to five orders of magnitude.

Conclusions and recommendations are discussed in **Section 4.0**.

Table 3.6: Summary of Soil Vapor Detections

LOCATION								SV-1	SV-1	SV-2	SV-3
SAMPLING DATE								6/20/2024	6/20/2024	6/20/2024	6/21/2024
LAB SAMPLE ID								L2435396-01	L2435396-01 R1	L2435396-02	L2435396-03
SAMPLE TYPE								SOIL_VAPOR	SOIL_VAPOR	SOIL_VAPOR	SOIL_VAPOR
SAMPLE DEPTH (ft.)											
	NY-SSC-A	NY-SSC-B	NY-SSC-C	NY-SSC-D	NY-SSC-E	NY-SSC-F	Units				
Volatile Organics in Air											
Dichlorodifluoromethane							ug/m3	ND(2250)	-	ND(14.4)	2.53
Chloromethane							ug/m3	ND(940)	-	ND(6.03)	0.692
Vinyl chloride			6				ug/m3	2280	-	ND(7.46)	ND(0.511)
1,3-Butadiene							ug/m3	ND(1010)	-	ND(6.46)	1.92
Ethanol							ug/m3	ND(21500)	-	ND(137)	39.4
Acetone							ug/m3	ND(5390)	-	ND(34.7)	41.6
Trichlorofluoromethane							ug/m3	ND(2560)	-	ND(16.4)	1.38
Isopropanol							ug/m3	ND(2800)	-	ND(17.9)	7.47
Tertiary butyl Alcohol							ug/m3	ND(3460)	-	ND(22.1)	2.68
Methylene chloride		100					ug/m3	ND(3960)	-	ND(25.3)	2.75
Carbon disulfide							ug/m3	ND(1420)	-	ND(9.09)	0.66
trans-1,2-Dichloroethene							ug/m3	3870	-	ND(11.6)	ND(0.793)
2-Butanone							ug/m3	ND(3360)	-	ND(21.5)	2.01
cis-1,2-Dichloroethene	6						ug/m3	456000	-	468	ND(0.793)
Chloroform							ug/m3	ND(2220)	-	ND(14.3)	11.7
n-Hexane					200		ug/m3	ND(1600)	-	ND(10.3)	1.31
Benzene				60			ug/m3	ND(1450)	-	ND(9.33)	1.24
Trichloroethene	6						ug/m3	439000	-	478	3.61
Heptane					200		ug/m3	ND(1860)	-	ND(12)	1.21
4-Methyl-2-pentanone							ug/m3	ND(4670)	-	ND(29.9)	ND(2.05)
Toluene						300	ug/m3	ND(1710)	-	ND(11)	7.8
2-Hexanone							ug/m3	ND(1860)	-	ND(12)	1.4
Tetrachloroethene		100					ug/m3	2370000	3630000	4670	51.7
Ethylbenzene				60			ug/m3	ND(1980)	-	ND(12.7)	3.04
p/m-Xylene					200		ug/m3	ND(3950)	-	ND(25.3)	17.1
o-Xylene				60			ug/m3	ND(1980)	-	ND(12.7)	4.95
4-Ethyltoluene							ug/m3	ND(2240)	-	ND(14.4)	2.93
1,3,5-Trimethylbenzene				60			ug/m3	ND(2240)	-	ND(14.4)	1.68
1,2,4-Trimethylbenzene				60			ug/m3	ND(2240)	-	21.6	11
Naphthalene							ug/m3	ND(2390)	-	ND(15.3)	3.86

ND: Not Detected
Concentration Exceeds SSC
Concentration Exceeds 10X SSC

4.0 CONCLUSIONS AND RECOMMENDATIONS

The exceedances in soil, groundwater, and soil vapor identified during the investigation are likely attributable to the former dry cleaner on the adjacent property at 252-258 Third Avenue to the east, contaminated fill and to background environmental conditions.

4.1. SOIL

Analytical results from this investigation identified chlorinated solvent-related VOCs (PCE, TCE, DCE, and VC) in soil at the east corner of the site. A file review of the adjacent property at 252-258 Third Avenue (Lot 29) revealed that the same VOCs were detected in the soil at Lot 29 at higher concentrations. It is suspected that the impacts onsite are associated with a former dry cleaner that operated on Lot 29 from sometime before 1971 to sometime after 1979.

Additionally, acetone, total xylenes, and 4,4'-DDT were detected on-site at concentrations slightly exceeding the USCOs but below the RRSCOs. These contaminants may be attributed to contaminated fill.

4.2. GROUNDWATER

Chlorinated solvent-related VOC-impacted groundwater was identified at the east corner of the Site. This condition is likely due to the former dry cleaner on the adjacent Lot 29.

Several metals, including chromium (Cr), iron (Fe), lead (Pb), manganese (Mn), sodium (Na), and thallium (Tl), were detected in groundwater samples collected on-site at concentrations exceeding the AWQS. Please note that these samples were unfiltered and collected from temporary wells, and, additionally, SB-1 (TW-1) and SB-3 (TW-2) were sampled using VAPS, which may have resulted in metal concentrations being skewed higher due to the presence of sediment. Naphthalene, an SVOC, was also detected at SB-1 (TW-1) at a concentration exceeding the AWQS. Because these metals and naphthalene were not detected in on-site soil samples at concentrations above the USCOs, their presence in groundwater is likely attributable to sediment influence, background conditions, or off-site contamination.

4.3. SOIL VAPOR

Various VOCs were detected in the soil vapor samples collected on Site. The concentration of these compounds was evaluated against the NYSDEC Soil Vapor/Indoor Air matrices. Notably, PCE, TCE and 1,2-DCE were detected at levels exceeding their corresponding criteria by one to five orders of magnitude. Other VOCs were not detected above the matrices.

4.4. SUMMARY

Impacts to soil, groundwater, and soil vapor have been identified on the Subject Property, with exceedances most likely resulting from the migration of chlorinated solvents from the former dry cleaner located at Lot 29. Other exceedances, such as those involving metals and pesticides, are believed to be associated with contaminated fill, potential migration of offsite contamination and/or background environmental conditions.

Tables

Table 3.1 Soil Sample Results

LOCATION						SB-1 (7.5-8)		SB-1 (7.5-8)		SB-2 (7-7.5)		SB-3 (6.5-7)	
SAMPLING DATE						6/19/2024		6/19/2024		6/19/2024		6/19/2024	
LAB SAMPLE ID						L2434670-01		L2434670-01 R1		L2434670-02		L2434670-03	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7.5-8		7.5-8		7-7.5		6.5-7	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry													
Solids, Total	NONE				%	59.8		-	-	86.3		83.1	
Cyanide, Total	57-12-5	27	27	27	mg/kg	1.6	U	-	-	1	U	1.2	U
Chromium, Hexavalent	18540-29-9	22	110	1	mg/kg	1.34	U	-	-	0.927	U	0.963	U
Organochlorine Pesticides by GC													
Delta-BHC	319-86-8	100	100	0.04	mg/kg	0.00258	U	-	-	0.00183	U	0.00182	U
Lindane	58-89-9	0.28	1.3	0.1	mg/kg	0.00108	U	-	-	0.000764	U	0.000757	U
Alpha-BHC	319-84-6	0.097	0.48	0.02	mg/kg	0.00108	U	-	-	0.000764	U	0.000757	U
Beta-BHC	319-85-7	0.072	0.36	0.036	mg/kg	0.00258	U	-	-	0.00183	U	0.00182	U
Heptachlor	76-44-8	0.42	2.1	0.042	mg/kg	0.00129	U	-	-	0.000917	U	0.000908	U
Aldrin	309-00-2	0.019	0.097	0.005	mg/kg	0.00258	U	-	-	0.00183	U	0.00182	U
Heptachlor epoxide	1024-57-3				mg/kg	0.00484	U	-	-	0.00344	U	0.0034	U
Endrin	72-20-8	2.2	11	0.014	mg/kg	0.00108	U	-	-	0.000764	U	0.000757	U
Endrin aldehyde	7421-93-4				mg/kg	0.00323	U	-	-	0.00229	U	0.00227	U
Endrin ketone	53494-70-5				mg/kg	0.00258	U	-	-	0.00183	U	0.00182	U
Dieldrin	60-57-1	0.039	0.2	0.005	mg/kg	0.00161	U	-	-	0.00115	U	0.00114	U
4,4'-DDE	72-55-9	1.8	8.9	0.0033	mg/kg	0.00258	U	-	-	0.00183	U	0.00182	U
4,4'-DDD	72-54-8	2.6	13	0.0033	mg/kg	0.00274	IP	-	-	0.00183	U	0.00182	U
4,4'-DDT	50-29-3	1.7	7.9	0.0033	mg/kg	0.00258	U	-	-	0.00183	U	0.00182	U
Endosulfan I	959-98-8	4.8	24	2.4	mg/kg	0.00258	U	-	-	0.00183	U	0.00182	U
Endosulfan II	33213-65-9	4.8	24	2.4	mg/kg	0.00258	U	-	-	0.00183	U	0.00182	U
Endosulfan sulfate	1031-07-8	4.8	24	2.4	mg/kg	0.00108	U	-	-	0.000764	U	0.000757	U
Methoxychlor	72-43-5				mg/kg	0.00484	U	-	-	0.00344	U	0.0034	U
Toxaphene	8001-35-2				mg/kg	0.0484	U	-	-	0.0344	U	0.034	U
cis-Chlordane	5103-71-9	0.91	4.2	0.094	mg/kg	0.00323	U	-	-	0.00229	U	0.00227	U
trans-Chlordane	5103-74-2				mg/kg	0.00323	U	-	-	0.00229	U	0.00227	U
Chlordane	57-74-9				mg/kg	0.0215	U	-	-	0.0153	U	0.0151	U
Perfluorinated Alkyl Acids by EPA 1633													
Perfluorobutanoic Acid (PFBA)	375-22-4				mg/kg	0.000797	U	-	-	0.000799	U	0.000801	U
Perfluoropentanoic Acid (PFPeA)	2706-90-3				mg/kg	0.000399	U	-	-	0.0004	U	0.0004	U
Perfluorobutanesulfonic Acid (PFE	375-73-5				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluorohexanoic Acid (PFHxA)	307-24-4				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluoroheptanoic Acid (PFHpA)	375-85-9				mg/kg	0.00005	J	-	-	0.0002	U	0.0002	U
Perfluorohexanesulfonic Acid (PF	355-46-4				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluorooctanoic Acid (PFOA)	335-67-1				mg/kg	0.000174	J	-	-	0.000207		0.0002	U
1H,1H,2H,2H-Perfluorooctanesulf	27619-97-2				mg/kg	0.000797	U	-	-	0.000799	U	0.000801	U
Perfluoroheptanesulfonic Acid (PF	375-92-8				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluorononanoic Acid (PFNA)	375-95-1				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluorooctanesulfonic Acid (PFC	1763-23-1				mg/kg	0.000587		-	-	0.0002	U	0.0002	U
Perfluorodecanoic Acid (PFDA)	335-76-2				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
1H,1H,2H,2H-Perfluorodecanesul	39108-34-4				mg/kg	0.000797	U	-	-	0.000799	U	0.000801	U
N-Methyl Perfluorooctanesulfonan	2355-31-9				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluoroundecanoic Acid (PFUnA	2058-94-8				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U

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Table 3.1 Soil Sample Results

LOCATION						SB-1 (7.5-8)		SB-1 (7.5-8)		SB-2 (7-7.5)		SB-3 (6.5-7)	
SAMPLING DATE						6/19/2024		6/19/2024		6/19/2024		6/19/2024	
LAB SAMPLE ID						L2434670-01		L2434670-01 R1		L2434670-02		L2434670-03	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7.5-8		7.5-8		7-7.5		6.5-7	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorodecanesulfonic Acid (PF	335-77-3				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluorooctanesulfonamide (PFO	754-91-6				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
N-Ethyl Perfluorooctanesulfonami	2991-50-6				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluorododecanoic Acid (PFDoA	307-55-1				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluorotridecanoic Acid (PFTrDA	72629-94-8				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
Perfluorotetradecanoic Acid (PFT	376-06-7				mg/kg	0.000199	U	-	-	0.0002	U	0.0002	U
PFOA/PFOS, Total	null				mg/kg	0.000761	J	-	-	0.000207		0.0002	U
Polychlorinated Biphenyls by GC													
Aroclor 1016	12674-11-2	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Aroclor 1221	11104-28-2	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Aroclor 1232	11141-16-5	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Aroclor 1242	53469-21-9	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Aroclor 1248	12672-29-6	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Aroclor 1254	11097-69-1	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Aroclor 1260	11096-82-5	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Aroclor 1262	37324-23-5	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Aroclor 1268	11100-14-4	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
PCBs, Total	1336-36-3	1	1	0.1	mg/kg	0.0781	U	-	-	0.053	U	0.0589	U
Semivolatile Organics by GC/MS													
Acenaphthene	83-32-9	100	100	20	mg/kg	0.22	U	-	-	0.15	U	0.16	U
1,2,4-Trichlorobenzene	120-82-1				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Hexachlorobenzene	118-74-1	0.33	1.2	0.33	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Bis(2-chloroethyl)ether	111-44-4				mg/kg	0.24	U	-	-	0.17	U	0.18	U
2-Chloronaphthalene	91-58-7				mg/kg	0.27	U	-	-	0.19	U	0.2	U
1,2-Dichlorobenzene	95-50-1	100	100	1.1	mg/kg	0.27	U	-	-	0.19	U	0.2	U
1,3-Dichlorobenzene	541-73-1	17	49	2.4	mg/kg	0.27	U	-	-	0.19	U	0.2	U
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	mg/kg	0.27	U	-	-	0.19	U	0.2	U
3,3'-Dichlorobenzidine	91-94-1				mg/kg	0.27	U	-	-	0.19	U	0.2	U
2,4-Dinitrotoluene	121-14-2				mg/kg	0.27	U	-	-	0.19	U	0.2	U
2,6-Dinitrotoluene	606-20-2				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Fluoranthene	206-44-0	100	100	100	mg/kg	0.16	U	-	-	0.11	U	0.12	U
4-Chlorophenyl phenyl ether	7005-72-3				mg/kg	0.27	U	-	-	0.19	U	0.2	U
4-Bromophenyl phenyl ether	101-55-3				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Bis(2-chloroisopropyl)ether	108-60-1				mg/kg	0.32	U	-	-	0.23	U	0.24	U
Bis(2-chloroethoxy)methane	111-91-1				mg/kg	0.29	U	-	-	0.2	U	0.22	U
Hexachlorobutadiene	87-68-3				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Hexachlorocyclopentadiene	77-47-4				mg/kg	0.77	U	-	-	0.54	U	0.57	U
Hexachloroethane	67-72-1				mg/kg	0.22	U	-	-	0.15	U	0.16	U
Isophorone	78-59-1				mg/kg	0.24	U	-	-	0.17	U	0.18	U
Naphthalene	91-20-3	100	100	12	mg/kg	0.11	J	-	-	0.19	U	0.2	U
Nitrobenzene	98-95-3				mg/kg	0.24	U	-	-	0.17	U	0.18	U
NDPA/DPA	86-30-6				mg/kg	0.22	U	-	-	0.15	U	0.16	U
n-Nitrosodi-n-propylamine	621-64-7				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Bis(2-ethylhexyl)phthalate	117-81-7				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Butyl benzyl phthalate	85-68-7				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Di-n-butylphthalate	84-74-2				mg/kg	0.27	U	-	-	0.19	U	0.2	U

Table 3.1 Soil Sample Results

LOCATION						SB-1 (7.5-8)		SB-1 (7.5-8)		SB-2 (7-7.5)		SB-3 (6.5-7)	
SAMPLING DATE						6/19/2024		6/19/2024		6/19/2024		6/19/2024	
LAB SAMPLE ID						L2434670-01		L2434670-01 R1		L2434670-02		L2434670-03	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7.5-8		7.5-8		7-7.5		6.5-7	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Di-n-octylphthalate	117-84-0				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Diethyl phthalate	84-66-2				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Dimethyl phthalate	131-11-3				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Benzo(a)anthracene	56-55-3	1	1	1	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Benzo(a)pyrene	50-32-8	1	1	1	mg/kg	0.22	U	-	-	0.15	U	0.16	U
Benzo(b)fluoranthene	205-99-2	1	1	1	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Benzo(k)fluoranthene	207-08-9	1	3.9	0.8	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Chrysene	218-01-9	1	3.9	1	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Acenaphthylene	208-96-8	100	100	100	mg/kg	0.22	U	-	-	0.15	U	0.16	U
Anthracene	120-12-7	100	100	100	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Benzo(ghi)perylene	191-24-2	100	100	100	mg/kg	0.22	U	-	-	0.15	U	0.16	U
Fluorene	86-73-7	100	100	30	mg/kg	0.27	U	-	-	0.19	U	0.2	U
Phenanthrene	85-01-8	100	100	100	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.33	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	mg/kg	0.22	U	-	-	0.15	U	0.16	U
Pyrene	129-00-0	100	100	100	mg/kg	0.16	U	-	-	0.11	U	0.12	U
Biphenyl	92-52-4				mg/kg	0.62	U	-	-	0.43	U	0.46	U
4-Chloroaniline	106-47-8				mg/kg	0.27	U	-	-	0.19	U	0.2	U
2-Nitroaniline	88-74-4				mg/kg	0.27	U	-	-	0.19	U	0.2	U
3-Nitroaniline	99-09-2				mg/kg	0.27	U	-	-	0.19	U	0.2	U
4-Nitroaniline	100-01-6				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Dibenzofuran	132-64-9	14	59	7	mg/kg	0.27	U	-	-	0.19	U	0.2	U
2-Methylnaphthalene	91-57-6				mg/kg	0.13	J	-	-	0.23	U	0.24	U
1,2,4,5-Tetrachlorobenzene	95-94-3				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Acetophenone	98-86-2				mg/kg	0.27	U	-	-	0.19	U	0.2	U
2,4,6-Trichlorophenol	88-06-2				mg/kg	0.16	U	-	-	0.11	U	0.12	U
p-Chloro-m-cresol	59-50-7				mg/kg	0.27	U	-	-	0.19	U	0.2	U
2-Chlorophenol	95-57-8				mg/kg	0.27	U	-	-	0.19	U	0.2	U
2,4-Dichlorophenol	120-83-2				mg/kg	0.24	U	-	-	0.17	U	0.18	U
2,4-Dimethylphenol	105-67-9				mg/kg	0.27	U	-	-	0.19	U	0.2	U
2-Nitrophenol	88-75-5				mg/kg	0.58	U	-	-	0.41	U	0.43	U
4-Nitrophenol	100-02-7				mg/kg	0.38	U	-	-	0.26	U	0.28	U
2,4-Dinitrophenol	51-28-5				mg/kg	1.3	U	-	-	0.91	U	0.96	U
4,6-Dinitro-o-cresol	534-52-1				mg/kg	0.7	U	-	-	0.49	U	0.52	U
Pentachlorophenol	87-86-5	2.4	6.7	0.8	mg/kg	0.22	U	-	-	0.15	U	0.16	U
Phenol	108-95-2	100	100	0.33	mg/kg	0.27	U	-	-	0.19	U	0.2	U
2-Methylphenol	95-48-7	100	100	0.33	mg/kg	0.27	U	-	-	0.19	U	0.2	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	34	100	0.33	mg/kg	0.39	U	-	-	0.27	U	0.29	U
2,4,5-Trichlorophenol	95-95-4				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Benzoic Acid	65-85-0				mg/kg	0.87	U	-	-	0.61	U	0.65	U
Benzyl Alcohol	100-51-6				mg/kg	0.27	U	-	-	0.19	U	0.2	U
Carbazole	86-74-8				mg/kg	0.27	U	-	-	0.19	U	0.2	U
1,4-Dioxane	123-91-1	9.8	13	0.1	mg/kg	0.04	U	-	-	0.028	U	0.03	U
Total Metals													
Aluminum, Total	7429-90-5				mg/kg	9740		-	-	4320		5200	
Antimony, Total	7440-36-0				mg/kg	6.52	U	-	-	4.56	U	4.68	U

Table 3.1 Soil Sample Results

LOCATION						SB-1 (7.5-8)		SB-1 (7.5-8)		SB-2 (7-7.5)		SB-3 (6.5-7)	
SAMPLING DATE						6/19/2024		6/19/2024		6/19/2024		6/19/2024	
LAB SAMPLE ID						L2434670-01		L2434670-01 R1		L2434670-02		L2434670-03	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7.5-8		7.5-8		7-7.5		6.5-7	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Arsenic, Total	7440-38-2	16	16	13	mg/kg	1.63		-	-	1.46		1.96	
Barium, Total	7440-39-3	350	400	350	mg/kg	110		-	-	59.9		52.1	
Beryllium, Total	7440-41-7	14	72	7.2	mg/kg	0.568	J	-	-	0.344	J	0.323	J
Cadmium, Total	7440-43-9	2.5	4.3	2.5	mg/kg	1.3	U	-	-	0.912	U	0.936	U
Calcium, Total	7440-70-2				mg/kg	1810		-	-	901		822	
Chromium, Total	7440-47-3				mg/kg	20.8		-	-	13.6		10.9	
Cobalt, Total	7440-48-4				mg/kg	6.33		-	-	5.64		4.87	
Copper, Total	7440-50-8	270	270	50	mg/kg	7.6		-	-	4.73		8.01	
Iron, Total	7439-89-6				mg/kg	9870		-	-	8210		12500	
Lead, Total	7439-92-1	400	400	63	mg/kg	14		-	-	10.6		13.3	
Magnesium, Total	7439-95-4				mg/kg	1590		-	-	912		1360	
Manganese, Total	7439-96-5	2000	2000	1600	mg/kg	205		-	-	85.1		281	
Mercury, Total	7439-97-6	0.81	0.81	0.18	mg/kg	0.112	U	-	-	0.089	U	0.084	U
Nickel, Total	7440-02-0	140	310	30	mg/kg	10.2		-	-	6.03		6.78	
Potassium, Total	7440-09-7				mg/kg	771		-	-	405		948	
Selenium, Total	7782-49-2	36	180	3.9	mg/kg	0.445	J	-	-	1.82	U	1.87	U
Silver, Total	7440-22-4	36	180	2	mg/kg	0.652	U	-	-	0.456	U	0.468	U
Sodium, Total	7440-23-5				mg/kg	157	J	-	-	58	J	107	J
Thallium, Total	7440-28-0				mg/kg	2.61	U	-	-	1.82	U	1.87	U
Vanadium, Total	7440-62-2				mg/kg	29.4		-	-	21.7		17.5	
Zinc, Total	7440-66-6	2200	10000	109	mg/kg	26.7		-	-	13.2		18.1	
Volatile Organics by EPA 5035													
Methylene chloride	75-09-2	51	100	0.05	mg/kg	0.52	U	-	-	0.0063	U	0.0053	U
1,1-Dichloroethane	75-34-3	19	26	0.27	mg/kg	0.1	U	-	-	0.0013	U	0.001	U
Chloroform	67-66-3	10	49	0.37	mg/kg	0.15	U	-	-	0.0019	U	0.0016	U
Carbon tetrachloride	56-23-5	1.4	2.4	0.76	mg/kg	0.1	U	-	-	0.0013	U	0.001	U
1,2-Dichloropropane	78-87-5				mg/kg	0.1	U	-	-	0.0013	U	0.001	U
Dibromochloromethane	124-48-1				mg/kg	0.1	U	-	-	0.0013	U	0.001	U
1,1,2-Trichloroethane	79-00-5				mg/kg	0.1	U	-	-	0.0013	U	0.001	U
Tetrachloroethene	127-18-4	5.5	19	1.3	mg/kg	17		-	-	0.016		0.00053	U
Chlorobenzene	108-90-7	100	100	1.1	mg/kg	0.021	J	-	-	0.00063	U	0.00053	U
Trichlorofluoromethane	75-69-4				mg/kg	0.41	U	-	-	0.0051	U	0.0042	U
1,2-Dichloroethane	107-06-2	2.3	3.1	0.02	mg/kg	0.1	U	-	-	0.0013	U	0.001	U
1,1,1-Trichloroethane	71-55-6	100	100	0.68	mg/kg	0.052	U	-	-	0.00063	U	0.00053	U
Bromodichloromethane	75-27-4				mg/kg	0.052	U	-	-	0.00063	U	0.00053	U
trans-1,3-Dichloropropene	10061-02-6				mg/kg	0.1	U	-	-	0.0013	U	0.001	U
cis-1,3-Dichloropropene	10061-01-5				mg/kg	0.052	U	-	-	0.00063	U	0.00053	U
1,3-Dichloropropene, Total	542-75-6				mg/kg	0.052	U	-	-	0.00063	U	0.00053	U
1,1-Dichloropropene	563-58-6				mg/kg	0.052	U	-	-	0.00063	U	0.00053	U
Bromoform	75-25-2				mg/kg	0.41	U	-	-	0.0051	U	0.0042	U
1,1,2,2-Tetrachloroethane	79-34-5				mg/kg	0.052	U	-	-	0.00063	U	0.00053	U
Benzene	71-43-2	2.9	4.8	0.06	mg/kg	0.052	U	-	-	0.00063	U	0.00053	U
Toluene	108-88-3	100	100	0.7	mg/kg	0.1	U	-	-	0.0013	U	0.001	U
Ethylbenzene	100-41-4	30	41	1	mg/kg	0.064	J	-	-	0.0013	U	0.001	U
Chloromethane	74-87-3				mg/kg	0.41	U	-	-	0.0051	U	0.0042	U
Bromomethane	74-83-9				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U

Table 3.1 Soil Sample Results

LOCATION						SB-1 (7.5-8)		SB-1 (7.5-8)		SB-2 (7-7.5)		SB-3 (6.5-7)	
SAMPLING DATE						6/19/2024		6/19/2024		6/19/2024		6/19/2024	
LAB SAMPLE ID						L2434670-01		L2434670-01 R1		L2434670-02		L2434670-03	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7.5-8		7.5-8		7-7.5		6.5-7	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Vinyl chloride	75-01-4	0.21	0.9	0.02	mg/kg	0.04	J	-	-	0.0013	U	0.001	U
Chloroethane	75-00-3				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
1,1-Dichloroethene	75-35-4	100	100	0.33	mg/kg	0.1	U	-	-	0.0013	U	0.001	U
trans-1,2-Dichloroethene	156-60-5	100	100	0.19	mg/kg	0.4		-	-	0.0019		0.0016	U
Trichloroethene	79-01-6	10	21	0.47	mg/kg	24		-	-	0.024		0.00053	U
1,2-Dichlorobenzene	95-50-1	100	100	1.1	mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
1,3-Dichlorobenzene	541-73-1	17	49	2.4	mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	mg/kg	0.066	J	-	-	0.0025	U	0.0021	U
Methyl tert butyl ether	1634-04-4	62	100	0.93	mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
p/m-Xylene	179601-23-1				mg/kg	0.26		-	-	0.0025	U	0.0021	U
o-Xylene	95-47-6				mg/kg	0.044	J	-	-	0.0013	U	0.001	U
Xylenes, Total	1330-20-7	100	100	0.26	mg/kg	0.3	J	-	-	0.0013	U	0.001	U
cis-1,2-Dichloroethene	156-59-2	59	100	0.25	mg/kg	62		55	E	0.062		0.00056	J
1,2-Dichloroethene, Total	540-59-0				mg/kg	62		-	-	0.064		0.00056	J
Dibromomethane	74-95-3				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
Styrene	100-42-5				mg/kg	0.1	U	-	-	0.0013	U	0.001	U
Dichlorodifluoromethane	75-71-8				mg/kg	1	U	-	-	0.013	U	0.01	U
Acetone	67-64-1	100	100	0.05	mg/kg	0.53	J	-	-	0.068		0.022	
Carbon disulfide	75-15-0				mg/kg	1	U	-	-	0.013	U	0.01	U
2-Butanone	78-93-3	100	100	0.12	mg/kg	1	U	-	-	0.014		0.0053	J
Vinyl acetate	108-05-4				mg/kg	1	U	-	-	0.013	U	0.01	U
4-Methyl-2-pentanone	108-10-1				mg/kg	1	U	-	-	0.013	U	0.01	U
1,2,3-Trichloropropane	96-18-4				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
2-Hexanone	591-78-6				mg/kg	1	U	-	-	0.013	U	0.01	U
Bromochloromethane	74-97-5				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
2,2-Dichloropropane	594-20-7				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
1,2-Dibromoethane	106-93-4				mg/kg	0.1	U	-	-	0.0013	U	0.001	U
1,3-Dichloropropane	142-28-9				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
1,1,1,2-Tetrachloroethane	630-20-6				mg/kg	0.052	U	-	-	0.00063	U	0.00053	U
Bromobenzene	108-86-1				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
n-Butylbenzene	104-51-8	100	100	12	mg/kg	0.032	J	-	-	0.0013	U	0.001	U
sec-Butylbenzene	135-98-8	100	100	11	mg/kg	0.024	J	-	-	0.0013	U	0.001	U
tert-Butylbenzene	98-06-6	100	100	5.9	mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
o-Chlorotoluene	95-49-8				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
p-Chlorotoluene	106-43-4				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
1,2-Dibromo-3-chloropropane	96-12-8				mg/kg	0.31	U	-	-	0.0038	U	0.0032	U
Hexachlorobutadiene	87-68-3				mg/kg	0.41	U	-	-	0.0051	U	0.0042	U
Isopropylbenzene	98-82-8				mg/kg	0.042	J	-	-	0.0013	U	0.001	U
p-Isopropyltoluene	99-87-6				mg/kg	0.027	J	-	-	0.0013	U	0.001	U
Naphthalene	91-20-3	100	100	12	mg/kg	0.94		-	-	0.0051	U	0.0042	U
Acrylonitrile	107-13-1				mg/kg	0.41	U	-	-	0.0051	U	0.0042	U
n-Propylbenzene	103-65-1	100	100	3.9	mg/kg	0.075	J	-	-	0.0013	U	0.001	U
1,2,3-Trichlorobenzene	87-61-6				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
1,2,4-Trichlorobenzene	120-82-1				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
1,3,5-Trimethylbenzene	108-67-8	47	52	8.4	mg/kg	0.19	J	-	-	0.0025	U	0.0021	U
1,2,4-Trimethylbenzene	95-63-6	47	52	3.6	mg/kg	0.54		-	-	0.0025	U	0.0021	U

Table 3.1 Soil Sample Results

LOCATION						SB-1 (7.5-8)		SB-1 (7.5-8)		SB-2 (7-7.5)		SB-3 (6.5-7)	
SAMPLING DATE						6/19/2024		6/19/2024		6/19/2024		6/19/2024	
LAB SAMPLE ID						L2434670-01		L2434670-01 R1		L2434670-02		L2434670-03	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7.5-8		7.5-8		7-7.5		6.5-7	
		CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	1,4-Dioxane	123-91-1	9.8	13	0.1	mg/kg	8.3	U	-	-	0.1	U	0.084	U
	p-Diethylbenzene	105-05-5				mg/kg	0.14	J	-	-	0.0025	U	0.0021	U
	p-Ethyltoluene	622-96-8				mg/kg	0.29		-	-	0.0025	U	0.0021	U
	1,2,4,5-Tetramethylbenzene	95-93-2				mg/kg	0.064	J	-	-	0.0025	U	0.0021	U
	Ethyl ether	60-29-7				mg/kg	0.21	U	-	-	0.0025	U	0.0021	U
	trans-1,4-Dichloro-2-butene	110-57-6				mg/kg	0.52	U	-	-	0.0063	U	0.0053	U

* Comparison is not performed on parameters with non-numeric criteria.

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-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Sample result exceed NY-UNRES
Sample result exceed NY-RESR
Sample result exceed NY-RESRR
RL exceed NY-UNRES

J - 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.
I - The lower value for the two columns has been reported due to obvious interference.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
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.

Table 3.1 Soil Sample Results

	LOCATION						SB-5 (13.5-14)		SB-6 (12-12.5)		SB-4 (10.5-11)		SB-7 (4-4.5)	
	SAMPLING DATE						6/21/2024		6/21/2024		6/21/2024		6/21/2024	
	LAB SAMPLE ID						L2435416-01		L2435416-02		L2435416-03		L2435416-04	
	SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
	SAMPLE DEPTH (ft.)						13.5-14		12-12.5		10.5-11		4-4.5	
		CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
	Solids, Total	NONE				%	83.5		88.5		85.3		86.5	
	Cyanide, Total	57-12-5	27	27	27	mg/kg	1.2	U	1.1	U	1.1	U	1.1	U
	Chromium, Hexavalent	18540-29-9	22	110	1	mg/kg	-	-	-	-	-	-	-	-
Organochlorine Pesticides by GC														
	Delta-BHC	319-86-8	100	100	0.04	mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00177	U
	Lindane	58-89-9	0.28	1.3	0.1	mg/kg	0.000774	U	0.000721	U	0.000767	U	0.000738	U
	Alpha-BHC	319-84-6	0.097	0.48	0.02	mg/kg	0.000774	U	0.000721	U	0.000767	U	0.000738	U
	Beta-BHC	319-85-7	0.072	0.36	0.036	mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00177	U
	Heptachlor	76-44-8	0.42	2.1	0.042	mg/kg	0.000929	U	0.000865	U	0.000921	U	0.000886	U
	Aldrin	309-00-2	0.019	0.097	0.005	mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00177	U
	Heptachlor epoxide	1024-57-3				mg/kg	0.00348	U	0.00324	U	0.00345	U	0.00332	U
	Endrin	72-20-8	2.2	11	0.014	mg/kg	0.000774	U	0.000721	U	0.000767	U	0.000738	U
	Endrin aldehyde	7421-93-4				mg/kg	0.00232	U	0.00216	U	0.0023	U	0.00221	U
	Endrin ketone	53494-70-5				mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00177	U
	Dieldrin	60-57-1	0.039	0.2	0.005	mg/kg	0.00116	U	0.00108	U	0.00115	U	0.00111	U
	4,4'-DDE	72-55-9	1.8	8.9	0.0033	mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00315	
	4,4'-DDD	72-54-8	2.6	13	0.0033	mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00177	U
	4,4'-DDT	50-29-3	1.7	7.9	0.0033	mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00668	
	Endosulfan I	959-98-8	4.8	24	2.4	mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00177	U
	Endosulfan II	33213-65-9	4.8	24	2.4	mg/kg	0.00186	U	0.00173	U	0.00184	U	0.00177	U
	Endosulfan sulfate	1031-07-8	4.8	24	2.4	mg/kg	0.000774	U	0.000721	U	0.000767	U	0.000738	U
	Methoxychlor	72-43-5				mg/kg	0.00348	U	0.00324	U	0.00345	U	0.00332	U
	Toxaphene	8001-35-2				mg/kg	0.0348	U	0.0324	U	0.0345	U	0.0332	U
	cis-Chlordane	5103-71-9	0.91	4.2	0.094	mg/kg	0.00232	U	0.00216	U	0.0023	U	0.00221	U
	trans-Chlordane	5103-74-2				mg/kg	0.00232	U	0.00216	U	0.0023	U	0.00221	U
	Chlordane	57-74-9				mg/kg	0.0155	U	0.0144	U	0.0153	U	0.0148	U
Perfluorinated Alkyl Acids by EPA 1633														
	Perfluorobutanoic Acid (PFBA)	375-22-4				mg/kg	0.00079	U	0.000794	U	0.000795	U	0.000797	U
	Perfluoropentanoic Acid (PFPeA)	2706-90-3				mg/kg	0.000395	U	0.000397	U	0.000057	J	0.000399	U
	Perfluorobutanesulfonic Acid (PFE	375-73-5				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
	Perfluorohexanoic Acid (PFHxA)	307-24-4				mg/kg	0.000198	U	0.000198	U	0.000049	J	0.000199	U
	Perfluoroheptanoic Acid (PFHpA)	375-85-9				mg/kg	0.000198	U	0.000198	U	0.00003	J	0.000199	U
	Perfluorohexanesulfonic Acid (PF	355-46-4				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
	Perfluorooctanoic Acid (PFOA)	335-67-1				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
	1H,1H,2H,2H-Perfluorooctanesulf	27619-97-2				mg/kg	0.00161		0.000794	U	0.000795	U	0.00185	
	Perfluoroheptanesulfonic Acid (PF	375-92-8				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
	Perfluorononanoic Acid (PFNA)	375-95-1				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
	Perfluorooctanesulfonic Acid (PFC	1763-23-1				mg/kg	0.000132	J	0.000086	J	0.000143	J	0.000087	J
	Perfluorodecanoic Acid (PFDA)	335-76-2				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
	1H,1H,2H,2H-Perfluorodecanesul	39108-34-4				mg/kg	0.00079	U	0.000794	U	0.000795	U	0.000797	U
	N-Methyl Perfluorooctanesulfonan	2355-31-9				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
	Perfluoroundecanoic Acid (PFUnA	2058-94-8				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U

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Table 3.1 Soil Sample Results

LOCATION						SB-5 (13.5-14)		SB-6 (12-12.5)		SB-4 (10.5-11)		SB-7 (4-4.5)	
SAMPLING DATE						6/21/2024		6/21/2024		6/21/2024		6/21/2024	
LAB SAMPLE ID						L2435416-01		L2435416-02		L2435416-03		L2435416-04	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						13.5-14		12-12.5		10.5-11		4-4.5	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Perfluorodecanesulfonic Acid (PF	335-77-3				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
Perfluorooctanesulfonamide (PFO	754-91-6				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
N-Ethyl Perfluorooctanesulfonami	2991-50-6				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
Perfluorododecanoic Acid (PFDoA	307-55-1				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
Perfluorotridecanoic Acid (PFTrDA	72629-94-8				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
Perfluorotetradecanoic Acid (PFT	376-06-7				mg/kg	0.000198	U	0.000198	U	0.000199	U	0.000199	U
PFOA/PFOS, Total	null				mg/kg	0.000132	J	0.000086	J	0.000143	J	0.000087	J
Polychlorinated Biphenyls by GC													
Aroclor 1016	12674-11-2	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Aroclor 1221	11104-28-2	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Aroclor 1232	11141-16-5	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Aroclor 1242	53469-21-9	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Aroclor 1248	12672-29-6	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Aroclor 1254	11097-69-1	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Aroclor 1260	11096-82-5	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Aroclor 1262	37324-23-5	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Aroclor 1268	11100-14-4	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
PCBs, Total	1336-36-3	1	1	0.1	mg/kg	0.0582	U	0.0542	U	0.0566	U	0.0568	U
Semivolatile Organics by GC/MS													
Acenaphthene	83-32-9	100	100	20	mg/kg	0.16	U	0.15	U	0.15	U	0.15	U
1,2,4-Trichlorobenzene	120-82-1				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Hexachlorobenzene	118-74-1	0.33	1.2	0.33	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
Bis(2-chloroethyl)ether	111-44-4				mg/kg	0.18	U	0.17	U	0.17	U	0.17	U
2-Chloronaphthalene	91-58-7				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
1,2-Dichlorobenzene	95-50-1	100	100	1.1	mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
1,3-Dichlorobenzene	541-73-1	17	49	2.4	mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
3,3'-Dichlorobenzidine	91-94-1				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2,4-Dinitrotoluene	121-14-2				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2,6-Dinitrotoluene	606-20-2				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Fluoranthene	206-44-0	100	100	100	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
4-Chlorophenyl phenyl ether	7005-72-3				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
4-Bromophenyl phenyl ether	101-55-3				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Bis(2-chloroisopropyl)ether	108-60-1				mg/kg	0.24	U	0.22	U	0.23	U	0.22	U
Bis(2-chloroethoxy)methane	111-91-1				mg/kg	0.21	U	0.2	U	0.21	U	0.2	U
Hexachlorobutadiene	87-68-3				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Hexachlorocyclopentadiene	77-47-4				mg/kg	0.56	U	0.53	U	0.55	U	0.54	U
Hexachloroethane	67-72-1				mg/kg	0.16	U	0.15	U	0.15	U	0.15	U
Isophorone	78-59-1				mg/kg	0.18	U	0.17	U	0.17	U	0.17	U
Naphthalene	91-20-3	100	100	12	mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Nitrobenzene	98-95-3				mg/kg	0.18	U	0.17	U	0.17	U	0.17	U
NDPA/DPA	86-30-6				mg/kg	0.16	U	0.15	U	0.15	U	0.15	U
n-Nitrosodi-n-propylamine	621-64-7				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Bis(2-ethylhexyl)phthalate	117-81-7				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Butyl benzyl phthalate	85-68-7				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Di-n-butylphthalate	84-74-2				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U

Table 3.1 Soil Sample Results

LOCATION						SB-5 (13.5-14)		SB-6 (12-12.5)		SB-4 (10.5-11)		SB-7 (4-4.5)	
SAMPLING DATE						6/21/2024		6/21/2024		6/21/2024		6/21/2024	
LAB SAMPLE ID						L2435416-01		L2435416-02		L2435416-03		L2435416-04	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						13.5-14		12-12.5		10.5-11		4-4.5	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Di-n-octylphthalate	117-84-0				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Diethyl phthalate	84-66-2				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Dimethyl phthalate	131-11-3				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Benzo(a)anthracene	56-55-3	1	1	1	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
Benzo(a)pyrene	50-32-8	1	1	1	mg/kg	0.16	U	0.15	U	0.15	U	0.15	U
Benzo(b)fluoranthene	205-99-2	1	1	1	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
Benzo(k)fluoranthene	207-08-9	1	3.9	0.8	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
Chrysene	218-01-9	1	3.9	1	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
Acenaphthylene	208-96-8	100	100	100	mg/kg	0.16	U	0.15	U	0.15	U	0.15	U
Anthracene	120-12-7	100	100	100	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
Benzo(ghi)perylene	191-24-2	100	100	100	mg/kg	0.16	U	0.15	U	0.15	U	0.15	U
Fluorene	86-73-7	100	100	30	mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Phenanthrene	85-01-8	100	100	100	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.33	mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	mg/kg	0.16	U	0.15	U	0.15	U	0.15	U
Pyrene	129-00-0	100	100	100	mg/kg	0.12	U	0.11	U	0.12	U	0.02	J
Biphenyl	92-52-4				mg/kg	0.45	U	0.42	U	0.44	U	0.43	U
4-Chloroaniline	106-47-8				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2-Nitroaniline	88-74-4				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
3-Nitroaniline	99-09-2				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
4-Nitroaniline	100-01-6				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Dibenzofuran	132-64-9	14	59	7	mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2-Methylnaphthalene	91-57-6				mg/kg	0.24	U	0.22	U	0.23	U	0.22	U
1,2,4,5-Tetrachlorobenzene	95-94-3				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Acetophenone	98-86-2				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2,4,6-Trichlorophenol	88-06-2				mg/kg	0.12	U	0.11	U	0.12	U	0.11	U
p-Chloro-m-cresol	59-50-7				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2-Chlorophenol	95-57-8				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2,4-Dichlorophenol	120-83-2				mg/kg	0.18	U	0.17	U	0.17	U	0.17	U
2,4-Dimethylphenol	105-67-9				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2-Nitrophenol	88-75-5				mg/kg	0.42	U	0.4	U	0.41	U	0.4	U
4-Nitrophenol	100-02-7				mg/kg	0.27	U	0.26	U	0.27	U	0.26	U
2,4-Dinitrophenol	51-28-5				mg/kg	0.94	U	0.9	U	0.92	U	0.9	U
4,6-Dinitro-o-cresol	534-52-1				mg/kg	0.51	U	0.48	U	0.5	U	0.49	U
Pentachlorophenol	87-86-5	2.4	6.7	0.8	mg/kg	0.16	U	0.15	U	0.15	U	0.15	U
Phenol	108-95-2	100	100	0.33	mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
2-Methylphenol	95-48-7	100	100	0.33	mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	34	100	0.33	mg/kg	0.28	U	0.27	U	0.28	U	0.27	U
2,4,5-Trichlorophenol	95-95-4				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Benzoic Acid	65-85-0				mg/kg	0.64	U	0.6	U	0.62	U	0.61	U
Benzyl Alcohol	100-51-6				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
Carbazole	86-74-8				mg/kg	0.2	U	0.19	U	0.19	U	0.19	U
1,4-Dioxane	123-91-1	9.8	13	0.1	mg/kg	0.029	U	0.028	U	0.029	U	0.028	U
Total Metals													
Aluminum, Total	7429-90-5				mg/kg	3740		4550		4540		7420	
Antimony, Total	7440-36-0				mg/kg	4.66	U	4.34	U	4.55	U	4.47	U

Table 3.1 Soil Sample Results

LOCATION						SB-5 (13.5-14)		SB-6 (12-12.5)		SB-4 (10.5-11)		SB-7 (4-4.5)	
SAMPLING DATE						6/21/2024		6/21/2024		6/21/2024		6/21/2024	
LAB SAMPLE ID						L2435416-01		L2435416-02		L2435416-03		L2435416-04	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						13.5-14		12-12.5		10.5-11		4-4.5	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Arsenic, Total	7440-38-2	16	16	13	mg/kg	0.849	J	0.798	J	1.9		1.16	
Barium, Total	7440-39-3	350	400	350	mg/kg	31		29.5		32.6		51.7	
Beryllium, Total	7440-41-7	14	72	7.2	mg/kg	0.321	J	0.374	J	0.374	J	0.522	
Cadmium, Total	7440-43-9	2.5	4.3	2.5	mg/kg	0.931	U	0.868	U	0.909	U	0.895	U
Calcium, Total	7440-70-2				mg/kg	956		2030		1420		1020	
Chromium, Total	7440-47-3				mg/kg	11.2		14.9		13.5		20.2	
Cobalt, Total	7440-48-4				mg/kg	4.7		3.36		5.11		6.41	
Copper, Total	7440-50-8	270	270	50	mg/kg	19.7		15.2		18.6		19.5	
Iron, Total	7439-89-6				mg/kg	8920		6160		10800		10200	
Lead, Total	7439-92-1	400	400	63	mg/kg	4.41	J	12.1		5.29		7.86	
Magnesium, Total	7439-95-4				mg/kg	2290		2410		2380		3080	
Manganese, Total	7439-96-5	2000	2000	1600	mg/kg	117		90.3		116		162	
Mercury, Total	7439-97-6	0.81	0.81	0.18	mg/kg	0.08	U	0.071	U	0.076	U	0.077	U
Nickel, Total	7440-02-0	140	310	30	mg/kg	10.6		9.92		13.1		15.6	
Potassium, Total	7440-09-7				mg/kg	1160		527		806		1120	
Selenium, Total	7782-49-2	36	180	3.9	mg/kg	1.86	U	1.74	U	1.82	U	1.79	U
Silver, Total	7440-22-4	36	180	2	mg/kg	0.466	U	0.434	U	0.455	U	0.447	U
Sodium, Total	7440-23-5				mg/kg	91.7	J	66.5	J	192		69.4	J
Thallium, Total	7440-28-0				mg/kg	1.86	U	1.74	U	1.82	U	1.79	U
Vanadium, Total	7440-62-2				mg/kg	18.1		18.8		18.1		23.3	
Zinc, Total	7440-66-6	2200	10000	109	mg/kg	19.6		25.7		27.2		40.4	
Volatile Organics by EPA 5035													
Methylene chloride	75-09-2	51	100	0.05	mg/kg	0.0054	U	0.0082	U	0.0052	U	0.0068	U
1,1-Dichloroethane	75-34-3	19	26	0.27	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
Chloroform	67-66-3	10	49	0.37	mg/kg	0.0016	U	0.0025	U	0.0016	U	0.002	U
Carbon tetrachloride	56-23-5	1.4	2.4	0.76	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
1,2-Dichloropropane	78-87-5				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
Dibromochloromethane	124-48-1				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
1,1,2-Trichloroethane	79-00-5				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
Tetrachloroethene	127-18-4	5.5	19	1.3	mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
Chlorobenzene	108-90-7	100	100	1.1	mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
Trichlorofluoromethane	75-69-4				mg/kg	0.0043	U	0.0066	U	0.0042	U	0.0055	U
1,2-Dichloroethane	107-06-2	2.3	3.1	0.02	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
1,1,1-Trichloroethane	71-55-6	100	100	0.68	mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
Bromodichloromethane	75-27-4				mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
trans-1,3-Dichloropropene	10061-02-6				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
cis-1,3-Dichloropropene	10061-01-5				mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
1,3-Dichloropropene, Total	542-75-6				mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
1,1-Dichloropropene	563-58-6				mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
Bromoform	75-25-2				mg/kg	0.0043	U	0.0066	U	0.0042	U	0.0055	U
1,1,2,2-Tetrachloroethane	79-34-5				mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
Benzene	71-43-2	2.9	4.8	0.06	mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
Toluene	108-88-3	100	100	0.7	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
Ethylbenzene	100-41-4	30	41	1	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
Chloromethane	74-87-3				mg/kg	0.0043	U	0.0066	U	0.0042	U	0.0055	U
Bromomethane	74-83-9				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U

Table 3.1 Soil Sample Results

	LOCATION						SB-5 (13.5-14)		SB-6 (12-12.5)		SB-4 (10.5-11)		SB-7 (4-4.5)	
	SAMPLING DATE						6/21/2024		6/21/2024		6/21/2024		6/21/2024	
	LAB SAMPLE ID						L2435416-01		L2435416-02		L2435416-03		L2435416-04	
	SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
	SAMPLE DEPTH (ft.)						13.5-14		12-12.5		10.5-11		4-4.5	
		CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	Vinyl chloride	75-01-4	0.21	0.9	0.02	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	Chloroethane	75-00-3				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,1-Dichloroethene	75-35-4	100	100	0.33	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	trans-1,2-Dichloroethene	156-60-5	100	100	0.19	mg/kg	0.0016	U	0.0025	U	0.0016	U	0.002	U
	Trichloroethene	79-01-6	10	21	0.47	mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
	1,2-Dichlorobenzene	95-50-1	100	100	1.1	mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,3-Dichlorobenzene	541-73-1	17	49	2.4	mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	Methyl tert butyl ether	1634-04-4	62	100	0.93	mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	p/m-Xylene	179601-23-1				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	o-Xylene	95-47-6				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	Xylenes, Total	1330-20-7	100	100	0.26	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	cis-1,2-Dichloroethene	156-59-2	59	100	0.25	mg/kg	0.0011	U	0.0016	U	0.00075	J	0.0014	U
	1,2-Dichloroethene, Total	540-59-0				mg/kg	0.0011	U	0.0016	U	0.00075	J	0.0014	U
	Dibromomethane	74-95-3				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	Styrene	100-42-5				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	Dichlorodifluoromethane	75-71-8				mg/kg	0.011	U	0.016	U	0.01	U	0.014	U
	Acetone	67-64-1	100	100	0.05	mg/kg	0.011	U	0.027		0.024		0.014	U
	Carbon disulfide	75-15-0				mg/kg	0.011	U	0.016	U	0.01	U	0.014	U
	2-Butanone	78-93-3	100	100	0.12	mg/kg	0.011	U	0.0056	J	0.0029	J	0.014	U
	Vinyl acetate	108-05-4				mg/kg	0.011	U	0.016	U	0.01	U	0.014	U
	4-Methyl-2-pentanone	108-10-1				mg/kg	0.011	U	0.016	U	0.01	U	0.014	U
	1,2,3-Trichloropropane	96-18-4				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	2-Hexanone	591-78-6				mg/kg	0.011	U	0.016	U	0.01	U	0.014	U
	Bromochloromethane	74-97-5				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	2,2-Dichloropropane	594-20-7				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,2-Dibromoethane	106-93-4				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	1,3-Dichloropropane	142-28-9				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,1,1,2-Tetrachloroethane	630-20-6				mg/kg	0.00054	U	0.00082	U	0.00052	U	0.00068	U
	Bromobenzene	108-86-1				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	n-Butylbenzene	104-51-8	100	100	12	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	sec-Butylbenzene	135-98-8	100	100	11	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	tert-Butylbenzene	98-06-6	100	100	5.9	mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	o-Chlorotoluene	95-49-8				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	p-Chlorotoluene	106-43-4				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,2-Dibromo-3-chloropropane	96-12-8				mg/kg	0.0032	U	0.0049	U	0.0031	U	0.0041	U
	Hexachlorobutadiene	87-68-3				mg/kg	0.0043	U	0.0066	U	0.0042	U	0.0055	U
	Isopropylbenzene	98-82-8				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	p-Isopropyltoluene	99-87-6				mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	Naphthalene	91-20-3	100	100	12	mg/kg	0.0043	U	0.0066	U	0.0042	U	0.0055	U
	Acrylonitrile	107-13-1				mg/kg	0.0043	U	0.0066	U	0.0042	U	0.0055	U
	n-Propylbenzene	103-65-1	100	100	3.9	mg/kg	0.0011	U	0.0016	U	0.001	U	0.0014	U
	1,2,3-Trichlorobenzene	87-61-6				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,2,4-Trichlorobenzene	120-82-1				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,3,5-Trimethylbenzene	108-67-8	47	52	8.4	mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,2,4-Trimethylbenzene	95-63-6	47	52	3.6	mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U

Table 3.1 Soil Sample Results

LOCATION						SB-5 (13.5-14)		SB-6 (12-12.5)		SB-4 (10.5-11)		SB-7 (4-4.5)	
SAMPLING DATE						6/21/2024		6/21/2024		6/21/2024		6/21/2024	
LAB SAMPLE ID						L2435416-01		L2435416-02		L2435416-03		L2435416-04	
SAMPLE TYPE						SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						13.5-14		12-12.5		10.5-11		4-4.5	
		CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
	1,4-Dioxane	123-91-1	9.8	13	0.1	mg/kg	0.086	U	0.13	U	0.083	U	0.11	U
	p-Diethylbenzene	105-05-5				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	p-Ethyltoluene	622-96-8				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	1,2,4,5-Tetramethylbenzene	95-93-2				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	Ethyl ether	60-29-7				mg/kg	0.0022	U	0.0033	U	0.0021	U	0.0027	U
	trans-1,4-Dichloro-2-butene	110-57-6				mg/kg	0.0054	U	0.0082	U	0.0052	U	0.0068	U

* Comparison is not performed on parameters with non-numeric criteria.

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-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Sample result exceed NY-UNRES
Sample result exceed NY-RESR
Sample result exceed NY-RESRR
RL exceed NY-UNRES

J - 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.
I - The lower value for the two columns has been reported due to obvious interference.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrume
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.

Table 3.1 Soil Sample Results

	LOCATION						SB-08 (7-7.5)		SB-09 (13.5-14)		SB-10 (1.5-2)	
	SAMPLING DATE						7/29/2024		7/29/2024		7/29/2024	
	LAB SAMPLE ID						L2442539-01		L2442539-02		L2442539-03	
	SAMPLE TYPE						SOIL		SOIL		SOIL	
	SAMPLE DEPTH (ft.)						7-7.5		13.5-14		1.5-2	
		CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual
General Chemistry												
	Solids, Total	NONE				%	82.6		84		88.9	
	Cyanide, Total	57-12-5	27	27	27	mg/kg	1.1	U	1.1	U	1.1	U
	Chromium, Hexavalent	18540-29-9	22	110	1	mg/kg	-	-	-	-	-	-
Organochlorine Pesticides by GC												
	Delta-BHC	319-86-8	100	100	0.04	mg/kg	0.00191	U	0.0019	U	0.00177	U
	Lindane	58-89-9	0.28	1.3	0.1	mg/kg	0.000794	U	0.000792	U	0.000738	U
	Alpha-BHC	319-84-6	0.097	0.48	0.02	mg/kg	0.000794	U	0.000792	U	0.000738	U
	Beta-BHC	319-85-7	0.072	0.36	0.036	mg/kg	0.00191	U	0.0019	U	0.00177	U
	Heptachlor	76-44-8	0.42	2.1	0.042	mg/kg	0.000953	U	0.000951	U	0.000885	U
	Aldrin	309-00-2	0.019	0.097	0.005	mg/kg	0.00191	U	0.0019	U	0.00177	U
	Heptachlor epoxide	1024-57-3				mg/kg	0.00357	U	0.00357	U	0.00332	U
	Endrin	72-20-8	2.2	11	0.014	mg/kg	0.000794	U	0.000792	U	0.000738	U
	Endrin aldehyde	7421-93-4				mg/kg	0.00238	U	0.00238	U	0.00221	U
	Endrin ketone	53494-70-5				mg/kg	0.00191	U	0.0019	U	0.00177	U
	Dieldrin	60-57-1	0.039	0.2	0.005	mg/kg	0.00119	U	0.00119	U	0.00111	U
	4,4'-DDE	72-55-9	1.8	8.9	0.0033	mg/kg	0.00191	U	0.0019	U	0.00177	U
	4,4'-DDD	72-54-8	2.6	13	0.0033	mg/kg	0.00191	U	0.0019	U	0.00177	U
	4,4'-DDT	50-29-3	1.7	7.9	0.0033	mg/kg	0.00191	U	0.0019	U	0.00177	U
	Endosulfan I	959-98-8	4.8	24	2.4	mg/kg	0.00191	U	0.0019	U	0.00177	U
	Endosulfan II	33213-65-9	4.8	24	2.4	mg/kg	0.00191	U	0.0019	U	0.00177	U
	Endosulfan sulfate	1031-07-8	4.8	24	2.4	mg/kg	0.000794	U	0.000792	U	0.000738	U
	Methoxychlor	72-43-5				mg/kg	0.00357	U	0.00357	U	0.00332	U
	Toxaphene	8001-35-2				mg/kg	0.0357	U	0.0357	U	0.0332	U
	cis-Chlordane	5103-71-9	0.91	4.2	0.094	mg/kg	0.00238	U	0.00238	U	0.00221	U
	trans-Chlordane	5103-74-2				mg/kg	0.00238	U	0.00238	U	0.00221	U
	Chlordane	57-74-9				mg/kg	0.0159	U	0.0158	U	0.0148	U
Perfluorinated Alkyl Acids by EPA 1633												
	Perfluorobutanoic Acid (PFBA)	375-22-4				mg/kg	0.000799	U	0.000799	U	0.000795	U
	Perfluoropentanoic Acid (PFPeA)	2706-90-3				mg/kg	0.0004	U	0.000399	U	0.000397	U
	Perfluorobutanesulfonic Acid (PFE	375-73-5				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorohexanoic Acid (PFHxA)	307-24-4				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluoroheptanoic Acid (PFHpA)	375-85-9				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorohexanesulfonic Acid (PF	355-46-4				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorooctanoic Acid (PFOA)	335-67-1				mg/kg	0.0002	U	0.0002	U	0.000052	J
	1H,1H,2H,2H-Perfluorooctanesulf	27619-97-2				mg/kg	0.000799	U	0.000799	U	0.000795	U
	Perfluoroheptanesulfonic Acid (PF	375-92-8				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorononanoic Acid (PFNA)	375-95-1				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorooctanesulfonic Acid (PFC	1763-23-1				mg/kg	0.000286		0.0002	U	0.000199	U
	Perfluorodecanoic Acid (PFDA)	335-76-2				mg/kg	0.0002	U	0.0002	U	0.000199	U
	1H,1H,2H,2H-Perfluorodecanesul	39108-34-4				mg/kg	0.000799	U	0.000799	U	0.000795	U
	N-Methyl Perfluorooctanesulfonan	2355-31-9				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluoroundecanoic Acid (PFUnA	2058-94-8				mg/kg	0.0002	U	0.0002	U	0.000199	U

Table 3.1 Soil Sample Results

	LOCATION						SB-08 (7-7.5)		SB-09 (13.5-14)		SB-10 (1.5-2)	
	SAMPLING DATE						7/29/2024		7/29/2024		7/29/2024	
	LAB SAMPLE ID						L2442539-01		L2442539-02		L2442539-03	
	SAMPLE TYPE						SOIL		SOIL		SOIL	
	SAMPLE DEPTH (ft.)						7-7.5		13.5-14		1.5-2	
		CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual
	Perfluorodecanesulfonic Acid (PF	335-77-3				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorooctanesulfonamide (PFO	754-91-6				mg/kg	0.0002	U	0.0002	U	0.000199	U
	N-Ethyl Perfluorooctanesulfonami	2991-50-6				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorododecanoic Acid (PFDoA	307-55-1				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorotridecanoic Acid (PFTrDA	72629-94-8				mg/kg	0.0002	U	0.0002	U	0.000199	U
	Perfluorotetradecanoic Acid (PFT	376-06-7				mg/kg	0.0002	U	0.0002	U	0.000199	U
	PFOA/PFOS, Total	null				mg/kg	0.000286		0.0002	U	0.000052	J
Polychlorinated Biphenyls by GC												
	Aroclor 1016	12674-11-2	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	Aroclor 1221	11104-28-2	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	Aroclor 1232	11141-16-5	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	Aroclor 1242	53469-21-9	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	Aroclor 1248	12672-29-6	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	Aroclor 1254	11097-69-1	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	Aroclor 1260	11096-82-5	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	Aroclor 1262	37324-23-5	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	Aroclor 1268	11100-14-4	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
	PCBs, Total	1336-36-3	1	1	0.1	mg/kg	0.057	U	0.0592	U	0.0549	U
Semivolatile Organics by GC/MS												
	Acenaphthene	83-32-9	100	100	20	mg/kg	0.16	U	0.16	U	0.15	U
	1,2,4-Trichlorobenzene	120-82-1				mg/kg	0.2	U	0.2	U	0.19	U
	Hexachlorobenzene	118-74-1	0.33	1.2	0.33	mg/kg	0.12	U	0.12	U	0.11	U
	Bis(2-chloroethyl)ether	111-44-4				mg/kg	0.18	U	0.18	U	0.17	U
	2-Chloronaphthalene	91-58-7				mg/kg	0.2	U	0.2	U	0.19	U
	1,2-Dichlorobenzene	95-50-1	100	100	1.1	mg/kg	0.2	U	0.2	U	0.19	U
	1,3-Dichlorobenzene	541-73-1	17	49	2.4	mg/kg	0.2	U	0.2	U	0.19	U
	1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	mg/kg	0.2	U	0.2	U	0.19	U
	3,3'-Dichlorobenzidine	91-94-1				mg/kg	0.2	U	0.2	U	0.19	U
	2,4-Dinitrotoluene	121-14-2				mg/kg	0.2	U	0.2	U	0.19	U
	2,6-Dinitrotoluene	606-20-2				mg/kg	0.2	U	0.2	U	0.19	U
	Fluoranthene	206-44-0	100	100	100	mg/kg	0.12	U	0.12	U	0.11	U
	4-Chlorophenyl phenyl ether	7005-72-3				mg/kg	0.2	U	0.2	U	0.19	U
	4-Bromophenyl phenyl ether	101-55-3				mg/kg	0.2	U	0.2	U	0.19	U
	Bis(2-chloroisopropyl)ether	108-60-1				mg/kg	0.24	U	0.23	U	0.22	U
	Bis(2-chloroethoxy)methane	111-91-1				mg/kg	0.22	U	0.21	U	0.2	U
	Hexachlorobutadiene	87-68-3				mg/kg	0.2	U	0.2	U	0.19	U
	Hexachlorocyclopentadiene	77-47-4				mg/kg	0.58	U	0.56	U	0.54	U
	Hexachloroethane	67-72-1				mg/kg	0.16	U	0.16	U	0.15	U
	Isophorone	78-59-1				mg/kg	0.18	U	0.18	U	0.17	U
	Naphthalene	91-20-3	100	100	12	mg/kg	0.2	U	0.2	U	0.19	U
	Nitrobenzene	98-95-3				mg/kg	0.18	U	0.18	U	0.17	U
	NDPA/DPA	86-30-6				mg/kg	0.16	U	0.16	U	0.15	U
	n-Nitrosodi-n-propylamine	621-64-7				mg/kg	0.2	U	0.2	U	0.19	U
	Bis(2-ethylhexyl)phthalate	117-81-7				mg/kg	0.2	U	0.2	U	0.19	U
	Butyl benzyl phthalate	85-68-7				mg/kg	0.2	U	0.2	U	0.19	U
	Di-n-butylphthalate	84-74-2				mg/kg	0.2	U	0.2	U	0.19	U

Table 3.1 Soil Sample Results

LOCATION						SB-08 (7-7.5)		SB-09 (13.5-14)		SB-10 (1.5-2)	
SAMPLING DATE						7/29/2024		7/29/2024		7/29/2024	
LAB SAMPLE ID						L2442539-01		L2442539-02		L2442539-03	
SAMPLE TYPE						SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7-7.5		13.5-14		1.5-2	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual
Di-n-octylphthalate	117-84-0				mg/kg	0.2	U	0.2	U	0.19	U
Diethyl phthalate	84-66-2				mg/kg	0.2	U	0.2	U	0.19	U
Dimethyl phthalate	131-11-3				mg/kg	0.2	U	0.2	U	0.19	U
Benzo(a)anthracene	56-55-3	1	1	1	mg/kg	0.12	U	0.12	U	0.11	U
Benzo(a)pyrene	50-32-8	1	1	1	mg/kg	0.16	U	0.16	U	0.15	U
Benzo(b)fluoranthene	205-99-2	1	1	1	mg/kg	0.12	U	0.12	U	0.11	U
Benzo(k)fluoranthene	207-08-9	1	3.9	0.8	mg/kg	0.12	U	0.12	U	0.11	U
Chrysene	218-01-9	1	3.9	1	mg/kg	0.12	U	0.12	U	0.11	U
Acenaphthylene	208-96-8	100	100	100	mg/kg	0.16	U	0.16	U	0.15	U
Anthracene	120-12-7	100	100	100	mg/kg	0.12	U	0.12	U	0.11	U
Benzo(ghi)perylene	191-24-2	100	100	100	mg/kg	0.16	U	0.16	U	0.15	U
Fluorene	86-73-7	100	100	30	mg/kg	0.2	U	0.2	U	0.19	U
Phenanthrene	85-01-8	100	100	100	mg/kg	0.12	U	0.12	U	0.11	U
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	0.33	mg/kg	0.12	U	0.12	U	0.11	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	0.5	mg/kg	0.16	U	0.16	U	0.15	U
Pyrene	129-00-0	100	100	100	mg/kg	0.12	U	0.12	U	0.11	U
Biphenyl	92-52-4				mg/kg	0.46	U	0.44	U	0.43	U
4-Chloroaniline	106-47-8				mg/kg	0.2	U	0.2	U	0.19	U
2-Nitroaniline	88-74-4				mg/kg	0.2	U	0.2	U	0.19	U
3-Nitroaniline	99-09-2				mg/kg	0.2	U	0.2	U	0.19	U
4-Nitroaniline	100-01-6				mg/kg	0.2	U	0.2	U	0.19	U
Dibenzofuran	132-64-9	14	59	7	mg/kg	0.2	U	0.2	U	0.19	U
2-Methylnaphthalene	91-57-6				mg/kg	0.24	U	0.23	U	0.22	U
1,2,4,5-Tetrachlorobenzene	95-94-3				mg/kg	0.2	U	0.2	U	0.19	U
Acetophenone	98-86-2				mg/kg	0.2	U	0.2	U	0.19	U
2,4,6-Trichlorophenol	88-06-2				mg/kg	0.12	U	0.12	U	0.11	U
p-Chloro-m-cresol	59-50-7				mg/kg	0.2	U	0.2	U	0.19	U
2-Chlorophenol	95-57-8				mg/kg	0.2	U	0.2	U	0.19	U
2,4-Dichlorophenol	120-83-2				mg/kg	0.18	U	0.18	U	0.17	U
2,4-Dimethylphenol	105-67-9				mg/kg	0.2	U	0.2	U	0.19	U
2-Nitrophenol	88-75-5				mg/kg	0.44	U	0.42	U	0.4	U
4-Nitrophenol	100-02-7				mg/kg	0.28	U	0.27	U	0.26	U
2,4-Dinitrophenol	51-28-5				mg/kg	0.97	U	0.94	U	0.9	U
4,6-Dinitro-o-cresol	534-52-1				mg/kg	0.52	U	0.51	U	0.49	U
Pentachlorophenol	87-86-5	2.4	6.7	0.8	mg/kg	0.16	U	0.16	U	0.15	U
Phenol	108-95-2	100	100	0.33	mg/kg	0.2	U	0.2	U	0.19	U
2-Methylphenol	95-48-7	100	100	0.33	mg/kg	0.2	U	0.2	U	0.19	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	34	100	0.33	mg/kg	0.29	U	0.28	U	0.27	U
2,4,5-Trichlorophenol	95-95-4				mg/kg	0.2	U	0.2	U	0.19	U
Benzoic Acid	65-85-0				mg/kg	0.65	U	0.63	U	0.61	U
Benzyl Alcohol	100-51-6				mg/kg	0.2	U	0.2	U	0.19	U
Carbazole	86-74-8				mg/kg	0.2	U	0.2	U	0.19	U
1,4-Dioxane	123-91-1	9.8	13	0.1	mg/kg	0.03	U	0.029	U	0.028	U
Total Metals											
Aluminum, Total	7429-90-5				mg/kg	6370		7490		9200	
Antimony, Total	7440-36-0				mg/kg	4.58	U	4.68	U	4.35	U

Table 3.1 Soil Sample Results

LOCATION						SB-08 (7-7.5)		SB-09 (13.5-14)		SB-10 (1.5-2)	
SAMPLING DATE						7/29/2024		7/29/2024		7/29/2024	
LAB SAMPLE ID						L2442539-01		L2442539-02		L2442539-03	
SAMPLE TYPE						SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7-7.5		13.5-14		1.5-2	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual
Arsenic, Total	7440-38-2	16	16	13	mg/kg	2.31		1.41		1.91	
Barium, Total	7440-39-3	350	400	350	mg/kg	65.1		59		75.3	
Beryllium, Total	7440-41-7	14	72	7.2	mg/kg	0.365	J	0.346	J	0.439	
Cadmium, Total	7440-43-9	2.5	4.3	2.5	mg/kg	0.917	U	0.936	U	0.871	U
Calcium, Total	7440-70-2				mg/kg	1130		1590		1180	
Chromium, Total	7440-47-3				mg/kg	11.1		29.3		18.4	
Cobalt, Total	7440-48-4				mg/kg	5.39		4.63		7.33	
Copper, Total	7440-50-8	270	270	50	mg/kg	5.5		11.6		21.3	
Iron, Total	7439-89-6				mg/kg	14400		11100		13900	
Lead, Total	7439-92-1	400	400	63	mg/kg	18.9		6.42		6.85	
Magnesium, Total	7439-95-4				mg/kg	889		2480		2930	
Manganese, Total	7439-96-5	2000	2000	1600	mg/kg	288		312		436	
Mercury, Total	7439-97-6	0.81	0.81	0.18	mg/kg	0.077	U	0.076	U	0.072	U
Nickel, Total	7440-02-0	140	310	30	mg/kg	5.33		11.9		13.7	
Potassium, Total	7440-09-7				mg/kg	443		1070		2500	
Selenium, Total	7782-49-2	36	180	3.9	mg/kg	0.361	J	1.87	U	0.386	J
Silver, Total	7440-22-4	36	180	2	mg/kg	0.458	U	0.468	U	0.435	U
Sodium, Total	7440-23-5				mg/kg	105	J	71.6	J	114	J
Thallium, Total	7440-28-0				mg/kg	0.302	J	1.87	U	0.529	J
Vanadium, Total	7440-62-2				mg/kg	20.7		13.9		23.6	
Zinc, Total	7440-66-6	2200	10000	109	mg/kg	16.2		29.8		30	
Volatile Organics by EPA 5035											
Methylene chloride	75-09-2	51	100	0.05	mg/kg	0.0051	U	0.0048	U	0.0048	U
1,1-Dichloroethane	75-34-3	19	26	0.27	mg/kg	0.001	U	0.00095	U	0.00096	U
Chloroform	67-66-3	10	49	0.37	mg/kg	0.0015	U	0.0014	U	0.0014	U
Carbon tetrachloride	56-23-5	1.4	2.4	0.76	mg/kg	0.001	U	0.00095	U	0.00096	U
1,2-Dichloropropane	78-87-5				mg/kg	0.001	U	0.00095	U	0.00096	U
Dibromochloromethane	124-48-1				mg/kg	0.001	U	0.00095	U	0.00096	U
1,1,2-Trichloroethane	79-00-5				mg/kg	0.001	U	0.00095	U	0.00096	U
Tetrachloroethene	127-18-4	5.5	19	1.3	mg/kg	0.00051	U	0.00048	U	0.00048	U
Chlorobenzene	108-90-7	100	100	1.1	mg/kg	0.00051	U	0.00048	U	0.00048	U
Trichlorofluoromethane	75-69-4				mg/kg	0.0041	U	0.0038	U	0.0038	U
1,2-Dichloroethane	107-06-2	2.3	3.1	0.02	mg/kg	0.001	U	0.00095	U	0.00096	U
1,1,1-Trichloroethane	71-55-6	100	100	0.68	mg/kg	0.00051	U	0.00048	U	0.00048	U
Bromodichloromethane	75-27-4				mg/kg	0.00051	U	0.00048	U	0.00048	U
trans-1,3-Dichloropropene	10061-02-6				mg/kg	0.001	U	0.00095	U	0.00096	U
cis-1,3-Dichloropropene	10061-01-5				mg/kg	0.00051	U	0.00048	U	0.00048	U
1,3-Dichloropropene, Total	542-75-6				mg/kg	0.00051	U	0.00048	U	0.00048	U
1,1-Dichloropropene	563-58-6				mg/kg	0.00051	U	0.00048	U	0.00048	U
Bromoform	75-25-2				mg/kg	0.0041	U	0.0038	U	0.0038	U
1,1,2,2-Tetrachloroethane	79-34-5				mg/kg	0.00051	U	0.00048	U	0.00048	U
Benzene	71-43-2	2.9	4.8	0.06	mg/kg	0.00051	U	0.00048	U	0.00048	U
Toluene	108-88-3	100	100	0.7	mg/kg	0.001	U	0.00095	U	0.00096	U
Ethylbenzene	100-41-4	30	41	1	mg/kg	0.001	U	0.00095	U	0.00096	U
Chloromethane	74-87-3				mg/kg	0.0041	U	0.0038	U	0.0038	U
Bromomethane	74-83-9				mg/kg	0.002	U	0.0019	U	0.0019	U

Table 3.1 Soil Sample Results

LOCATION						SB-08 (7-7.5)		SB-09 (13.5-14)		SB-10 (1.5-2)	
SAMPLING DATE						7/29/2024		7/29/2024		7/29/2024	
LAB SAMPLE ID						L2442539-01		L2442539-02		L2442539-03	
SAMPLE TYPE						SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7-7.5		13.5-14		1.5-2	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual
Vinyl chloride	75-01-4	0.21	0.9	0.02	mg/kg	0.001	U	0.00095	U	0.00096	U
Chloroethane	75-00-3				mg/kg	0.002	U	0.0019	U	0.0019	U
1,1-Dichloroethene	75-35-4	100	100	0.33	mg/kg	0.001	U	0.00095	U	0.00096	U
trans-1,2-Dichloroethene	156-60-5	100	100	0.19	mg/kg	0.0015	U	0.0014	U	0.0014	U
Trichloroethene	79-01-6	10	21	0.47	mg/kg	0.00051	U	0.00048	U	0.00048	U
1,2-Dichlorobenzene	95-50-1	100	100	1.1	mg/kg	0.002	U	0.0019	U	0.0019	U
1,3-Dichlorobenzene	541-73-1	17	49	2.4	mg/kg	0.002	U	0.0019	U	0.0019	U
1,4-Dichlorobenzene	106-46-7	9.8	13	1.8	mg/kg	0.002	U	0.0019	U	0.0019	U
Methyl tert butyl ether	1634-04-4	62	100	0.93	mg/kg	0.002	U	0.0019	U	0.0019	U
p/m-Xylene	179601-23-1				mg/kg	0.002	U	0.0019	U	0.0019	U
o-Xylene	95-47-6				mg/kg	0.001	U	0.00095	U	0.00096	U
Xylenes, Total	1330-20-7	100	100	0.26	mg/kg	0.001	U	0.00095	U	0.00096	U
cis-1,2-Dichloroethene	156-59-2	59	100	0.25	mg/kg	0.001	U	0.00095	U	0.00096	U
1,2-Dichloroethene, Total	540-59-0				mg/kg	0.001	U	0.00095	U	0.00096	U
Dibromomethane	74-95-3				mg/kg	0.002	U	0.0019	U	0.0019	U
Styrene	100-42-5				mg/kg	0.001	U	0.00095	U	0.00096	U
Dichlorodifluoromethane	75-71-8				mg/kg	0.01	U	0.0095	U	0.0096	U
Acetone	67-64-1	100	100	0.05	mg/kg	0.013		0.0095	U	0.0096	U
Carbon disulfide	75-15-0				mg/kg	0.01	U	0.0095	U	0.0096	U
2-Butanone	78-93-3	100	100	0.12	mg/kg	0.0045	J	0.0095	U	0.0096	U
Vinyl acetate	108-05-4				mg/kg	0.01	U	0.0095	U	0.0096	U
4-Methyl-2-pentanone	108-10-1				mg/kg	0.01	U	0.0095	U	0.0096	U
1,2,3-Trichloropropane	96-18-4				mg/kg	0.002	U	0.0019	U	0.0019	U
2-Hexanone	591-78-6				mg/kg	0.01	U	0.0095	U	0.0096	U
Bromochloromethane	74-97-5				mg/kg	0.002	U	0.0019	U	0.0019	U
2,2-Dichloropropane	594-20-7				mg/kg	0.002	U	0.0019	U	0.0019	U
1,2-Dibromoethane	106-93-4				mg/kg	0.001	U	0.00095	U	0.00096	U
1,3-Dichloropropane	142-28-9				mg/kg	0.002	U	0.0019	U	0.0019	U
1,1,1,2-Tetrachloroethane	630-20-6				mg/kg	0.00051	U	0.00048	U	0.00048	U
Bromobenzene	108-86-1				mg/kg	0.002	U	0.0019	U	0.0019	U
n-Butylbenzene	104-51-8	100	100	12	mg/kg	0.0031		0.00095	U	0.00096	U
sec-Butylbenzene	135-98-8	100	100	11	mg/kg	0.0024		0.00095	U	0.00096	U
tert-Butylbenzene	98-06-6	100	100	5.9	mg/kg	0.00026	J	0.0019	U	0.0019	U
o-Chlorotoluene	95-49-8				mg/kg	0.002	U	0.0019	U	0.0019	U
p-Chlorotoluene	106-43-4				mg/kg	0.002	U	0.0019	U	0.0019	U
1,2-Dibromo-3-chloropropane	96-12-8				mg/kg	0.003	U	0.0028	U	0.0029	U
Hexachlorobutadiene	87-68-3				mg/kg	0.0041	U	0.0038	U	0.0038	U
Isopropylbenzene	98-82-8				mg/kg	0.001	U	0.00095	U	0.00096	U
p-Isopropyltoluene	99-87-6				mg/kg	0.0011		0.00095	U	0.00096	U
Naphthalene	91-20-3	100	100	12	mg/kg	0.0016	J	0.0038	U	0.0038	U
Acrylonitrile	107-13-1				mg/kg	0.0041	U	0.0038	U	0.0038	U
n-Propylbenzene	103-65-1	100	100	3.9	mg/kg	0.001	U	0.00095	U	0.00096	U
1,2,3-Trichlorobenzene	87-61-6				mg/kg	0.002	U	0.0019	U	0.0019	U
1,2,4-Trichlorobenzene	120-82-1				mg/kg	0.002	U	0.0019	U	0.0019	U
1,3,5-Trimethylbenzene	108-67-8	47	52	8.4	mg/kg	0.002	U	0.0019	U	0.0019	U
1,2,4-Trimethylbenzene	95-63-6	47	52	3.6	mg/kg	0.002	U	0.0019	U	0.0019	U

Table 3.1 Soil Sample Results

LOCATION						SB-08 (7-7.5)		SB-09 (13.5-14)		SB-10 (1.5-2)	
SAMPLING DATE						7/29/2024		7/29/2024		7/29/2024	
LAB SAMPLE ID						L2442539-01		L2442539-02		L2442539-03	
SAMPLE TYPE						SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)						7-7.5		13.5-14		1.5-2	
	CasNum	NY-RESR	NY-RESR	NY-UNRE	Units	Results	Qual	Results	Qual	Results	Qual
1,4-Dioxane	123-91-1	9.8	13	0.1	mg/kg	0.081	U	0.076	U	0.076	U
p-Diethylbenzene	105-05-5				mg/kg	0.0021		0.0019	U	0.0019	U
p-Ethyltoluene	622-96-8				mg/kg	0.002	U	0.0019	U	0.0019	U
1,2,4,5-Tetramethylbenzene	95-93-2				mg/kg	0.014		0.0019	U	0.0019	U
Ethyl ether	60-29-7				mg/kg	0.002	U	0.0019	U	0.0019	U
trans-1,4-Dichloro-2-butene	110-57-6				mg/kg	0.0051	U	0.0048	U	0.0048	U

* Comparison is not performed on parameters with non-numeric criteria.

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-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Sample result exceed NY-UNRES
Sample result exceed NY-RESR
Sample result exceed NY-RESRR
RL exceed NY-UNRES

J - 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.
I - The lower value for the two columns has been reported due to obvious interference.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrume
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.

Table 3.3 Groundwater Analytical Results

LOCATION				TW-1		TW-2		TW-3	
SAMPLING DATE				6/20/2024		6/20/2024		7/30/2024	
LAB SAMPLE ID				L2435415-01		L2435415-02		L2442710-01	
SAMPLE TYPE				WATER		WATER		WATER	
SAMPLE DEPTH (ft.)									
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
1,4 Dioxane by 8270E-SIM									
1,4-Dioxane	123-91-1	0.35	ug/l	0.15	U	0.15	U	0.139	U
General Chemistry									
Cyanide, Total	57-12-5	200	ug/l	-	-	-	-	2	J
Organochlorine Pesticides by GC									
Delta-BHC	319-86-8	0.04	ug/l	0.014	U	0.014	U	0.014	U
Lindane	58-89-9	0.05	ug/l	0.014	U	0.014	U	0.014	U
Alpha-BHC	319-84-6	0.01	ug/l	0.014	U	0.014	U	0.014	U
Beta-BHC	319-85-7	0.04	ug/l	0.014	U	0.014	U	0.014	U
Heptachlor	76-44-8	0.04	ug/l	0.014	U	0.014	U	0.014	U
Aldrin	309-00-2	0	ug/l	0.014	U	0.014	U	0.014	U
Heptachlor epoxide	1024-57-3	0.03	ug/l	0.014	U	0.014	U	0.014	U
Endrin	72-20-8	0	ug/l	0.029	U	0.029	U	0.029	U
Endrin aldehyde	7421-93-4	5	ug/l	0.029	U	0.029	U	0.029	U
Endrin ketone	53494-70-5	5	ug/l	0.029	U	0.029	U	0.029	U
Dieldrin	60-57-1	0.004	ug/l	0.029	U	0.029	U	0.029	U
4,4'-DDE	72-55-9	0.2	ug/l	0.029	U	0.029	U	0.029	U
4,4'-DDD	72-54-8	0.3	ug/l	0.028	J	0.029	U	0.029	U
4,4'-DDT	50-29-3	0.2	ug/l	0.009	J	0.009	J	0.029	U
Endosulfan I	959-98-8		ug/l	0.014	U	0.014	U	0.014	U
Endosulfan II	33213-65-9		ug/l	0.029	U	0.029	U	0.029	U
Endosulfan sulfate	1031-07-8		ug/l	0.029	U	0.029	U	0.029	U
Methoxychlor	72-43-5	35	ug/l	0.143	U	0.143	U	0.143	U
Toxaphene	8001-35-2	0.06	ug/l	0.143	U	0.143	U	0.143	U
cis-Chlordane	5103-71-9		ug/l	0.014	U	0.014	U	0.014	U
trans-Chlordane	5103-74-2		ug/l	0.014	U	0.014	U	0.014	U
Chlordane	57-74-9	0.05	ug/l	0.143	U	0.143	U	0.143	U
Perfluorinated Alkyl Acids by EPA 1633									
Perfluorobutanoic Acid (PFBA)	375-22-4		ug/l	0.0264	J	0.0258	J	0.0152	
Perfluoropentanoic Acid (PFPeA)	2706-90-3		ug/l	0.0262		0.0307		0.0167	
Perfluorobutanesulfonic Acid (PFE	375-73-5		ug/l	0.0134		0.0107		0.0159	
Perfluorohexanoic Acid (PFHxA)	307-24-4		ug/l	0.0185		0.0203		0.0136	
Perfluoroheptanoic Acid (PFHpA)	375-85-9		ug/l	0.012		0.0115		0.00766	
Perfluorohexanesulfonic Acid (PF	355-46-4		ug/l	0.00808		0.00736	J	0.00442	
Perfluorooctanoic Acid (PFOA)	335-67-1	0.0067	ug/l	0.0821		0.0602		0.0427	
1H,1H,2H,2H-Perfluorooctanesulf	27619-97-2		ug/l	0.032	U	0.032	U	0.00591	U
Perfluoroheptanesulfonic Acid (PF	375-92-8		ug/l	0.008	U	0.008	U	0.000827	J
Perfluorononanoic Acid (PFNA)	375-95-1		ug/l	0.00264	J	0.00504	J	0.00362	
Perfluorooctanesulfonic Acid (PFC	1763-23-1	0.0027	ug/l	0.019		0.0373		0.039	
Perfluorodecanoic Acid (PFDA)	335-76-2		ug/l	0.008	U	0.008	U	0.00148	U
1H,1H,2H,2H-Perfluorodecanesul	39108-34-4		ug/l	0.032	U	0.032	U	0.00591	U
N-Methyl Perfluorooctanesulfonan	2355-31-9		ug/l	0.008	U	0.008	U	0.00148	U
Perfluoroundecanoic Acid (PFUnA	2058-94-8		ug/l	0.008	U	0.008	U	0.00148	U

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Table 3.3 Groundwater Analytical Results

LOCATION				TW-1		TW-2		TW-3	
SAMPLING DATE				6/20/2024		6/20/2024		7/30/2024	
LAB SAMPLE ID				L2435415-01		L2435415-02		L2442710-01	
SAMPLE TYPE				WATER		WATER		WATER	
SAMPLE DEPTH (ft.)									
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
Perfluorodecanesulfonic Acid (PF	335-77-3		ug/l	0.008	U	0.008	U	0.00148	U
Perfluorooctanesulfonamide (PFO	754-91-6		ug/l	0.008	U	0.008	U	0.00148	U
N-Ethyl Perfluorooctanesulfonami	2991-50-6		ug/l	0.008	U	0.008	U	0.00148	U
Perfluorododecanoic Acid (PFDoA	307-55-1		ug/l	0.008	U	0.008	U	0.00148	U
Perfluorotridecanoic Acid (PFTrDA	72629-94-8		ug/l	0.008	U	0.008	U	0.00148	U
Perfluorotetradecanoic Acid (PFT	376-06-7		ug/l	0.008	U	0.008	U	0.00148	U
PFOA/PFOS, Total	null		ug/l	0.101		0.0975		0.0817	
Polychlorinated Biphenyls by GC									
Aroclor 1016	12674-11-2	0.09	ug/l	0.071	U	0.071	U	0.071	U
Aroclor 1221	11104-28-2	0.09	ug/l	0.071	U	0.071	U	0.071	U
Aroclor 1232	11141-16-5	0.09	ug/l	0.071	U	0.071	U	0.071	U
Aroclor 1242	53469-21-9	0.09	ug/l	0.071	U	0.071	U	0.071	U
Aroclor 1248	12672-29-6	0.09	ug/l	0.071	U	0.071	U	0.071	U
Aroclor 1254	11097-69-1	0.09	ug/l	0.071	U	0.071	U	0.071	U
Aroclor 1260	11096-82-5	0.09	ug/l	0.071	U	0.071	U	0.071	U
Aroclor 1262	37324-23-5	0.09	ug/l	0.071	U	0.071	U	0.071	U
Aroclor 1268	11100-14-4	0.09	ug/l	0.071	U	0.071	U	0.071	U
PCBs, Total	1336-36-3		ug/l	0.071	U	0.071	U	0.071	U
Semivolatile Organics by GC/MS									
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	5	U	5	U	5	U
Bis(2-chloroethyl)ether	111-44-4	1	ug/l	2	U	2	U	2	U
1,2-Dichlorobenzene	95-50-1	3	ug/l	2	U	2	U	2	U
1,3-Dichlorobenzene	541-73-1	3	ug/l	2	U	2	U	2	U
1,4-Dichlorobenzene	106-46-7	3	ug/l	1.9	J	2	U	2	U
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	5	U	5	U	5	U
2,4-Dinitrotoluene	121-14-2	5	ug/l	5	U	5	U	5	U
2,6-Dinitrotoluene	606-20-2	5	ug/l	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	7005-72-3		ug/l	2	U	2	U	2	U
4-Bromophenyl phenyl ether	101-55-3		ug/l	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	108-60-1	5	ug/l	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	111-91-1	5	ug/l	5	U	5	U	5	U
Hexachlorocyclopentadiene	77-47-4	5	ug/l	20	U	20	U	20	U
Isophorone	78-59-1	50	ug/l	5	U	5	U	5	U
Nitrobenzene	98-95-3	0.4	ug/l	2	U	2	U	2	U
NDPA/DPA	86-30-6	50	ug/l	2	U	2	U	2	U
n-Nitrosodi-n-propylamine	621-64-7		ug/l	5	U	5	U	5	U
Bis(2-ethylhexyl)phthalate	117-81-7	5	ug/l	3	U	3	U	3	U
Butyl benzyl phthalate	85-68-7	50	ug/l	5	U	5	U	5	U
Di-n-butylphthalate	84-74-2	50	ug/l	5	U	2.3	J	5	U
Di-n-octylphthalate	117-84-0	50	ug/l	5	U	5	U	5	U
Diethyl phthalate	84-66-2	50	ug/l	1	J	0.86	J	5	U
Dimethyl phthalate	131-11-3	50	ug/l	5	U	5	U	5	U
Biphenyl	92-52-4		ug/l	3.2		2	U	2	U
4-Chloroaniline	106-47-8	5	ug/l	5	U	5	U	5	U
2-Nitroaniline	88-74-4	5	ug/l	5	U	5	U	5	U
3-Nitroaniline	99-09-2	5	ug/l	5	U	5	U	5	U

Table 3.3 Groundwater Analytical Results

LOCATION				TW-1		TW-2		TW-3	
SAMPLING DATE				6/20/2024		6/20/2024		7/30/2024	
LAB SAMPLE ID				L2435415-01		L2435415-02		L2442710-01	
SAMPLE TYPE				WATER		WATER		WATER	
SAMPLE DEPTH (ft.)									
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
4-Nitroaniline	100-01-6	5	ug/l	5	U	5	U	5	U
Dibenzofuran	132-64-9		ug/l	2.5		2	U	2	U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	10	U	10	U	10	U
Acetophenone	98-86-2		ug/l	5	U	5	U	5	U
2,4,6-Trichlorophenol	88-06-2		ug/l	5	U	5	U	5	U
p-Chloro-m-cresol	59-50-7		ug/l	2	U	2	U	2	U
2-Chlorophenol	95-57-8		ug/l	2	U	2	U	2	U
2,4-Dichlorophenol	120-83-2	1	ug/l	5	U	5	U	5	U
2,4-Dimethylphenol	105-67-9	50	ug/l	5	U	5	U	5	U
2-Nitrophenol	88-75-5		ug/l	10	U	10	U	10	U
4-Nitrophenol	100-02-7		ug/l	10	U	10	U	10	U
2,4-Dinitrophenol	51-28-5	10	ug/l	20	U	20	U	20	U
4,6-Dinitro-o-cresol	534-52-1		ug/l	10	U	10	U	10	U
Phenol	108-95-2	1	ug/l	0.87	J	5	U	5	U
2-Methylphenol	95-48-7		ug/l	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5		ug/l	5	U	5	U	5	U
2,4,5-Trichlorophenol	95-95-4		ug/l	5	U	5	U	5	U
Benzoic Acid	65-85-0		ug/l	50	U	50	U	50	U
Benzyl Alcohol	100-51-6		ug/l	2	U	0.87	J	2	U
Carbazole	86-74-8		ug/l	2	U	2	U	2	U
Semivolatile Organics by GC/MS-SIM									
Acenaphthene	83-32-9	20	ug/l	0.96		0.11		0.04	J
2-Chloronaphthalene	91-58-7	10	ug/l	0.2	U	0.2	U	0.2	U
Fluoranthene	206-44-0	50	ug/l	0.1	U	0.05	J	0.05	J
Hexachlorobutadiene	87-68-3	0.5	ug/l	0.5	U	0.5	U	0.5	U
Naphthalene	91-20-3	10	ug/l	24		0.6		0.03	J
Benzo(a)anthracene	56-55-3	0.002	ug/l	0.1	U	0.1	U	0.1	U
Benzo(a)pyrene	50-32-8	0	ug/l	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	0.1	U	0.1	U	0.1	U
Benzo(k)fluoranthene	207-08-9	0.002	ug/l	0.1	U	0.1	U	0.1	U
Chrysene	218-01-9	0.002	ug/l	0.1	U	0.1	U	0.1	U
Acenaphthylene	208-96-8		ug/l	0.41		0.1	U	0.1	U
Anthracene	120-12-7	50	ug/l	0.2		0.04	J	0.03	J
Benzo(ghi)perylene	191-24-2		ug/l	0.1	U	0.1	U	0.1	U
Fluorene	86-73-7	50	ug/l	0.67		0.07	J	0.04	J
Phenanthrene	85-01-8	50	ug/l	3.2		0.19		0.25	
Dibenzo(a,h)anthracene	53-70-3		ug/l	0.1	U	0.1	U	0.1	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	0.1	U	0.1	U	0.1	U
Pyrene	129-00-0	50	ug/l	0.1	U	0.1	U	0.07	J
2-Methylnaphthalene	91-57-6		ug/l	31		0.12		0.03	J
Pentachlorophenol	87-86-5	1	ug/l	0.8	U	0.8	U	0.06	J
Hexachlorobenzene	118-74-1	0.04	ug/l	0.8	U	0.8	U	0.8	U
Hexachloroethane	67-72-1	5	ug/l	0.8	U	0.8	U	0.8	U
Total Metals									
Aluminum, Total	7429-90-5		ug/l	21700		13700		933	
Antimony, Total	7440-36-0	3	ug/l	4	U	4	U	1.26	J

Table 3.3 Groundwater Analytical Results

LOCATION					TW-1		TW-2		TW-3	
SAMPLING DATE					6/20/2024		6/20/2024		7/30/2024	
LAB SAMPLE ID					L2435415-01		L2435415-02		L2442710-01	
SAMPLE TYPE					WATER		WATER		WATER	
SAMPLE DEPTH (ft.)										
		CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
	Arsenic, Total	7440-38-2	25	ug/l	2.33		2.37		0.67	
	Barium, Total	7440-39-3	1000	ug/l	674.7		290.6		90.38	
	Beryllium, Total	7440-41-7	3	ug/l	2.27		0.94		0.5	U
	Cadmium, Total	7440-43-9	5	ug/l	0.28		0.16	J	0.09	J
	Calcium, Total	7440-70-2		ug/l	42000		53500		59500	
	Chromium, Total	7440-47-3	50	ug/l	68.4		31.2		2.33	
	Cobalt, Total	7440-48-4		ug/l	36.49		24.8		4.87	
	Copper, Total	7440-50-8	200	ug/l	124		72.24		7.19	
	Iron, Total	7439-89-6	300	ug/l	49000		27900		1660	
	Lead, Total	7439-92-1	25	ug/l	51.92		70.7		2.03	
	Magnesium, Total	7439-95-4	35000	ug/l	34900		31100		9840	
	Manganese, Total	7439-96-5	300	ug/l	2894		1560		2055	
	Mercury, Total	7439-97-6	0.7	ug/l	0.2	U	0.45		0.2	U
	Nickel, Total	7440-02-0	100	ug/l	96.09		50.96		8.84	
	Potassium, Total	7440-09-7		ug/l	14600		10900		4920	
	Selenium, Total	7782-49-2	10	ug/l	8.72		4.4	J	5	U
	Silver, Total	7440-22-4	50	ug/l	0.4	U	0.38	J	0.4	U
	Sodium, Total	7440-23-5	20000	ug/l	52300		70700		19400	
	Thallium, Total	7440-28-0	0.5	ug/l	1.17		0.49	J	1	U
	Vanadium, Total	7440-62-2		ug/l	73.14		37.97		3.01	J
	Zinc, Total	7440-66-6	2000	ug/l	165		82.67		7.47	J
Volatile Organics by GC/MS										
	Methylene chloride	75-09-2	5	ug/l	620	U	2.5	U	2.5	U
	1,1-Dichloroethane	75-34-3	5	ug/l	620	U	2.5	U	2.5	U
	Chloroform	67-66-3	7	ug/l	620	U	2.5	U	2.5	U
	Carbon tetrachloride	56-23-5	5	ug/l	120	U	0.5	U	0.5	U
	1,2-Dichloropropane	78-87-5	1	ug/l	250	U	1	U	1	U
	Dibromochloromethane	124-48-1	50	ug/l	120	U	0.5	U	0.5	U
	1,1,2-Trichloroethane	79-00-5	1	ug/l	380	U	1.5	U	1.5	U
	Tetrachloroethene	127-18-4	5	ug/l	44000		5.5		0.34	J
	Chlorobenzene	108-90-7	5	ug/l	620	U	2.5	U	2.5	U
	Trichlorofluoromethane	75-69-4	5	ug/l	620	U	2.5	U	2.5	U
	1,2-Dichloroethane	107-06-2	0.6	ug/l	120	U	0.5	U	0.5	U
	1,1,1-Trichloroethane	71-55-6	5	ug/l	620	U	2.5	U	2.5	U
	Bromodichloromethane	75-27-4	50	ug/l	120	U	0.5	U	0.5	U
	trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	120	U	0.5	U	0.5	U
	cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	120	U	0.5	U	0.5	U
	1,3-Dichloropropene, Total	542-75-6		ug/l	120	U	0.5	U	0.5	U
	1,1-Dichloropropene	563-58-6	5	ug/l	620	U	2.5	U	2.5	U
	Bromoform	75-25-2	50	ug/l	500	U	2	U	2	U
	1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	120	U	0.5	U	0.5	U
	Benzene	71-43-2	1	ug/l	120	U	0.5	U	0.5	U
	Toluene	108-88-3	5	ug/l	620	U	2.5	U	2.5	U
	Ethylbenzene	100-41-4	5	ug/l	620	U	2.5	U	2.5	U
	Chloromethane	74-87-3		ug/l	620	U	2.5	U	2.5	U
	Bromomethane	74-83-9	5	ug/l	620	U	2.5	U	2.5	U

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Table 3.3 Groundwater Analytical Results

LOCATION				TW-1		TW-2		TW-3	
SAMPLING DATE				6/20/2024		6/20/2024		7/30/2024	
LAB SAMPLE ID				L2435415-01		L2435415-02		L2442710-01	
SAMPLE TYPE				WATER		WATER		WATER	
SAMPLE DEPTH (ft.)									
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
Vinyl chloride	75-01-4	2	ug/l	22	J	1	U	1	U
Chloroethane	75-00-3	5	ug/l	620	U	2.5	U	2.5	U
1,1-Dichloroethene	75-35-4	5	ug/l	120	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	5	ug/l	620	U	2.5	U	2.5	U
Trichloroethene	79-01-6	5	ug/l	8000		1.1		0.5	U
1,2-Dichlorobenzene	95-50-1	3	ug/l	620	U	2.5	U	2.5	U
1,3-Dichlorobenzene	541-73-1	3	ug/l	620	U	2.5	U	2.5	U
1,4-Dichlorobenzene	106-46-7	3	ug/l	620	U	2.5	U	2.5	U
Methyl tert butyl ether	1634-04-4	10	ug/l	620	U	2.5	U	2.5	U
p/m-Xylene	179601-23-1	5	ug/l	620	U	2.5	U	2.5	U
o-Xylene	95-47-6	5	ug/l	620	U	2.5	U	2.5	U
Xylenes, Total	1330-20-7		ug/l	620	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	8600		2.7		2.5	U
1,2-Dichloroethene, Total	540-59-0		ug/l	8600		2.7		2.5	U
Dibromomethane	74-95-3	5	ug/l	1200	U	5	U	5	U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	620	U	2.5	U	2.5	U
Acrylonitrile	107-13-1	5	ug/l	1200	U	5	U	5	U
Styrene	100-42-5	5	ug/l	620	U	2.5	U	2.5	U
Dichlorodifluoromethane	75-71-8	5	ug/l	1200	U	5	U	5	U
Acetone	67-64-1	50	ug/l	1200	U	3.4	J	5	U
Carbon disulfide	75-15-0	60	ug/l	1200	U	5	U	5	U
2-Butanone	78-93-3	50	ug/l	1200	U	5	U	5	U
Vinyl acetate	108-05-4		ug/l	1200	U	5	U	5	U
4-Methyl-2-pentanone	108-10-1		ug/l	1200	U	5	U	5	U
2-Hexanone	591-78-6	50	ug/l	1200	U	5	U	5	U
Bromochloromethane	74-97-5	5	ug/l	620	U	2.5	U	2.5	U
2,2-Dichloropropane	594-20-7	5	ug/l	620	U	2.5	U	2.5	U
1,2-Dibromoethane	106-93-4	0.0006	ug/l	500	U	2	U	2	U
1,3-Dichloropropane	142-28-9	5	ug/l	620	U	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	620	U	2.5	U	2.5	U
Bromobenzene	108-86-1	5	ug/l	620	U	2.5	U	2.5	U
n-Butylbenzene	104-51-8	5	ug/l	620	U	2.5	U	2.5	U
sec-Butylbenzene	135-98-8	5	ug/l	620	U	2.5	U	2.5	U
tert-Butylbenzene	98-06-6	5	ug/l	620	U	2.5	U	2.5	U
o-Chlorotoluene	95-49-8	5	ug/l	620	U	2.5	U	2.5	U
p-Chlorotoluene	106-43-4	5	ug/l	620	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	620	U	2.5	U	2.5	U
Hexachlorobutadiene	87-68-3	0.5	ug/l	620	U	2.5	U	2.5	U
Isopropylbenzene	98-82-8	5	ug/l	620	U	2.5	U	2.5	U
p-Isopropyltoluene	99-87-6	5	ug/l	620	U	2.5	U	2.5	U
Naphthalene	91-20-3	10	ug/l	620	U	2.5	U	2.5	U
n-Propylbenzene	103-65-1	5	ug/l	620	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	620	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	620	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	108-67-8	5	ug/l	620	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	620	U	2.5	U	2.5	U

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Table 3.3 Groundwater Analytical Results

LOCATION				TW-1		TW-2		TW-3	
SAMPLING DATE				6/20/2024		6/20/2024		7/30/2024	
LAB SAMPLE ID				L2435415-01		L2435415-02		L2442710-01	
SAMPLE TYPE				WATER		WATER		WATER	
SAMPLE DEPTH (ft.)									
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
1,4-Dioxane	123-91-1	0.35	ug/l	62000	U	250	U	250	U
p-Diethylbenzene	105-05-5		ug/l	500	U	2	U	2	U
p-Ethyltoluene	622-96-8		ug/l	500	U	2	U	2	U
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	500	U	2	U	2	U
Ethyl ether	60-29-7		ug/l	620	U	2.5	U	2.5	U
trans-1,4-Dichloro-2-butene	110-57-6	5	ug/l	620	U	2.5	U	2.5	U

* Comparison is not performed on parameters with non-numeric criteria.

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards & Guidance Values Criteria per Standards & Guidance Values including all addenda through February 2023.

Result exceeds AWQS
RL exceeds or equals to AWQS

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Table 3.5 Soil Vapor Sample Results

LOCATION									**SV-1**		**SV-1**		**SV-2**	
SAMPLING DATE									**6/20/2024**		**6/20/2024**		**6/20/2024**	
LAB SAMPLE ID									**L2435396-01**		**L2435396-01 R1**		**L2435396-02**	
SAMPLE TYPE									**SOIL_VAPOR**		**SOIL_VAPOR**		**SOIL_VAPOR**	
SAMPLE DEPTH (ft.)														
	CasNum	**NY-SSC-A**	**NY-SSC-B**	**NY-SSC-C**	**NY-SSC-D**	**NY-SSC-E**	**NY-SSC-F**	**Units**	**Results**	**Qual**	**Results**	**Qual**	**Results**	**Qual**
Volatile Organics in Air														
Dichlorodifluoromethane	75-71-8							ug/m3	2250	U	-	-	14.4	U
Chloromethane	74-87-3							ug/m3	940	U	-	-	6.03	U
Freon-114	76-14-2							ug/m3	3180	U	-	-	20.4	U
Vinyl chloride	75-01-4			6				ug/m3	2280		-	-	7.46	U
1,3-Butadiene	106-99-0							ug/m3	1010	U	-	-	6.46	U
Bromomethane	74-83-9							ug/m3	1770	U	-	-	11.3	U
Chloroethane	75-00-3							ug/m3	1200	U	-	-	7.71	U
Ethanol	64-17-5							ug/m3	21500	U	-	-	137	U
Vinyl bromide	593-60-2							ug/m3	1990	U	-	-	12.8	U
Acetone	67-64-1							ug/m3	5390	U	-	-	34.7	U
Trichlorofluoromethane	75-69-4							ug/m3	2560	U	-	-	16.4	U
Isopropanol	67-63-0							ug/m3	2800	U	-	-	17.9	U
1,1-Dichloroethene	75-35-4	6						ug/m3	1800	U	-	-	11.6	U
Tertiary butyl Alcohol	75-65-0							ug/m3	3460	U	-	-	22.1	U
Methylene chloride	75-09-2		100					ug/m3	3960	U	-	-	25.3	U
3-Chloropropene	107-05-1							ug/m3	1420	U	-	-	9.14	U
Carbon disulfide	75-15-0							ug/m3	1420	U	-	-	9.09	U
Freon-113	76-13-1							ug/m3	3490	U	-	-	22.4	U
trans-1,2-Dichloroethene	156-60-5							ug/m3	3870		-	-	11.6	U
1,1-Dichloroethane	75-34-3							ug/m3	1840	U	-	-	11.8	U
Methyl tert butyl ether	1634-04-4							ug/m3	1640	U	-	-	10.5	U
2-Butanone	78-93-3							ug/m3	3360	U	-	-	21.5	U
cis-1,2-Dichloroethene	156-59-2	6						ug/m3	456000		-	-	468	
Ethyl Acetate	141-78-6							ug/m3	4110	U	-	-	26.3	U
Chloroform	67-66-3							ug/m3	2220	U	-	-	14.3	U
Tetrahydrofuran	109-99-9							ug/m3	3360	U	-	-	21.5	U
1,2-Dichloroethane	107-06-2							ug/m3	1840	U	-	-	11.8	U
n-Hexane	110-54-3					200		ug/m3	1600	U	-	-	10.3	U
1,1,1-Trichloroethane	71-55-6		100					ug/m3	2480	U	-	-	15.9	U
Benzene	71-43-2				60			ug/m3	1450	U	-	-	9.33	U
Carbon tetrachloride	56-23-5	6						ug/m3	2860	U	-	-	18.4	U
Cyclohexane	110-82-7				60			ug/m3	1570	U	-	-	10.1	U
1,2-Dichloropropane	78-87-5							ug/m3	2100	U	-	-	13.5	U
Bromodichloromethane	75-27-4							ug/m3	3050	U	-	-	19.6	U
1,4-Dioxane	123-91-1							ug/m3	1640	U	-	-	10.5	U
Trichloroethene	79-01-6	6						ug/m3	439000		-	-	478	
2,2,4-Trimethylpentane	540-84-1				60			ug/m3	2130	U	-	-	13.6	U
Heptane	142-82-5					200		ug/m3	1860	U	-	-	12	U
cis-1,3-Dichloropropene	10061-01-5							ug/m3	2070	U	-	-	13.3	U
4-Methyl-2-pentanone	108-10-1							ug/m3	4670	U	-	-	29.9	U
trans-1,3-Dichloropropene	10061-02-6							ug/m3	2070	U	-	-	13.3	U
1,1,2-Trichloroethane	79-00-5							ug/m3	2480	U	-	-	15.9	U

Table 3.5 Soil Vapor Sample Results

LOCATION									SV-1		SV-1		SV-2	
SAMPLING DATE									6/20/2024		6/20/2024		6/20/2024	
LAB SAMPLE ID									L2435396-01		L2435396-01 R1		L2435396-02	
SAMPLE TYPE									SOIL_VAPOR		SOIL_VAPOR		SOIL_VAPOR	
SAMPLE DEPTH (ft.)														
	CasNum	NY-SSC-A	NY-SSC-B	NY-SSC-C	NY-SSC-D	NY-SSC-E	NY-SSC-F	Units	Results	Qual	Results	Qual	Results	Qual
Toluene	108-88-3						300	ug/m3	1710	U	-	-	11	U
2-Hexanone	591-78-6							ug/m3	1860	U	-	-	12	U
Dibromochloromethane	124-48-1							ug/m3	3880	U	-	-	24.9	U
1,2-Dibromoethane	106-93-4							ug/m3	3500	U	-	-	22.4	U
Tetrachloroethene	127-18-4		100					ug/m3	2370000	E	3630000		4670	
Chlorobenzene	108-90-7							ug/m3	2100	U	-	-	13.4	U
Ethylbenzene	100-41-4				60			ug/m3	1980	U	-	-	12.7	U
p/m-Xylene	179601-23-1					200		ug/m3	3950	U	-	-	25.3	U
Bromoform	75-25-2							ug/m3	4700	U	-	-	30.2	U
Styrene	100-42-5							ug/m3	1940	U	-	-	12.4	U
1,1,2,2-Tetrachloroethane	79-34-5							ug/m3	3120	U	-	-	20.1	U
o-Xylene	95-47-6				60			ug/m3	1980	U	-	-	12.7	U
4-Ethyltoluene	622-96-8							ug/m3	2240	U	-	-	14.4	U
1,3,5-Trimethylbenzene	108-67-8				60			ug/m3	2240	U	-	-	14.4	U
1,2,4-Trimethylbenzene	95-63-6				60			ug/m3	2240	U	-	-	21.6	
Benzyl chloride	100-44-7							ug/m3	2360	U	-	-	15.1	U
1,3-Dichlorobenzene	541-73-1							ug/m3	2740	U	-	-	17.6	U
1,4-Dichlorobenzene	106-46-7							ug/m3	2740	U	-	-	17.6	U
1,2-Dichlorobenzene	95-50-1							ug/m3	-	-	-	-	-	-
1,2,4-Trichlorobenzene	120-82-1							ug/m3	3380	U	-	-	21.7	U
Naphthalene	91-20-3				60			ug/m3	2390	U	-	-	15.3	U
Hexachlorobutadiene	87-68-3							ug/m3	4850	U	-	-	31.1	U
Volatile Organics in Air by SIM														
1,2-Dichlorobenzene	95-50-1							ug/m3	274	U	-	-	1.76	U

* Comparison is not performed on parameters with non-numeric criteria.

NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-D: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-E: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-F: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

Result exceeds SSC

Table 3.5 Soil Vapor Sample Results

	LOCATION									**SV-3**		**SV-4**		
	SAMPLING DATE									**6/21/2024**		**7/30/2024**		
	LAB SAMPLE ID									**L2435396-03**		**L2442765-01**		
	SAMPLE TYPE									**SOIL_VAPOR**		**SOIL_VAPOR**		
	SAMPLE DEPTH (ft.)													
		CasNum	**NY-SSC-A**	**NY-SSC-B**	**NY-SSC-C**	**NY-SSC-D**	**NY-SSC-E**	**NY-SSC-F**	**Units**	**Results**	**Qual**	**Results**	**Qual**	
Volatile Organics in Air														
	Dichlorodifluoromethane	75-71-8							ug/m3	2.53		2.63		-
	Chloromethane	74-87-3							ug/m3	0.692		0.413	U	-
	Freon-114	76-14-2							ug/m3	1.4	U	1.4	U	-
	Vinyl chloride	75-01-4			6				ug/m3	0.511	U	0.511	U	-
	1,3-Butadiene	106-99-0							ug/m3	1.92		0.442	U	-
	Bromomethane	74-83-9							ug/m3	0.777	U	0.777	U	-
	Chloroethane	75-00-3							ug/m3	0.528	U	0.528	U	-
	Ethanol	64-17-5							ug/m3	39.4		10.1		-
	Vinyl bromide	593-60-2							ug/m3	0.874	U	0.874	U	-
	Acetone	67-64-1							ug/m3	41.6		61		-
	Trichlorofluoromethane	75-69-4							ug/m3	1.38		1.12	U	-
	Isopropanol	67-63-0							ug/m3	7.47		1.82		-
	1,1-Dichloroethene	75-35-4	6						ug/m3	0.793	U	0.793	U	-
	Tertiary butyl Alcohol	75-65-0							ug/m3	2.68		1.52	U	-
	Methylene chloride	75-09-2		100					ug/m3	2.75		2.17		-
	3-Chloropropene	107-05-1							ug/m3	0.626	U	0.626	U	-
	Carbon disulfide	75-15-0							ug/m3	0.66		2.12		-
	Freon-113	76-13-1							ug/m3	1.53	U	1.53	U	-
	trans-1,2-Dichloroethene	156-60-5							ug/m3	0.793	U	0.793	U	-
	1,1-Dichloroethane	75-34-3							ug/m3	0.809	U	0.809	U	-
	Methyl tert butyl ether	1634-04-4							ug/m3	0.721	U	0.721	U	-
	2-Butanone	78-93-3							ug/m3	2.01		25.3		-
	cis-1,2-Dichloroethene	156-59-2	6						ug/m3	0.793	U	0.793	U	-
	Ethyl Acetate	141-78-6							ug/m3	1.8	U	1.8	U	-
	Chloroform	67-66-3							ug/m3	11.7		2.09		-
	Tetrahydrofuran	109-99-9							ug/m3	1.47	U	1.47	U	-
	1,2-Dichloroethane	107-06-2							ug/m3	0.809	U	0.809	U	-
	n-Hexane	110-54-3					200		ug/m3	1.31		0.705	U	-
	1,1,1-Trichloroethane	71-55-6		100					ug/m3	1.09	U	1.09	U	-
	Benzene	71-43-2				60			ug/m3	1.24		1.09		-
	Carbon tetrachloride	56-23-5	6						ug/m3	1.26	U	1.26	U	-
	Cyclohexane	110-82-7				60			ug/m3	0.688	U	0.688	U	-
	1,2-Dichloropropane	78-87-5							ug/m3	0.924	U	0.924	U	-
	Bromodichloromethane	75-27-4							ug/m3	1.34	U	1.34	U	-
	1,4-Dioxane	123-91-1							ug/m3	0.721	U	0.721	U	-
	Trichloroethene	79-01-6	6						ug/m3	3.61		1.07	U	-
	2,2,4-Trimethylpentane	540-84-1				60			ug/m3	0.934	U	0.934	U	-
	Heptane	142-82-5					200		ug/m3	1.21		1.06		-
	cis-1,3-Dichloropropene	10061-01-5							ug/m3	0.908	U	0.908	U	-
	4-Methyl-2-pentanone	108-10-1							ug/m3	2.05	U	4.34		-
	trans-1,3-Dichloropropene	10061-02-6							ug/m3	0.908	U	0.908	U	-
	1,1,2-Trichloroethane	79-00-5							ug/m3	1.09	U	1.09	U	-

Table 3.5 Soil Vapor Sample Results

LOCATION									**SV-3**		**SV-4**		
SAMPLING DATE									**6/21/2024**		**7/30/2024**		
LAB SAMPLE ID									**L2435396-03**		**L2442765-01**		
SAMPLE TYPE									**SOIL_VAPOR**		**SOIL_VAPOR**		
SAMPLE DEPTH (ft.)													
	CasNum	**NY-SSC-A**	**NY-SSC-B**	**NY-SSC-C**	**NY-SSC-D**	**NY-SSC-E**	**NY-SSC-F**	**Units**	**Results**	**Qual**	**Results**	**Qual**	
Toluene	108-88-3						300	ug/m3	7.8		11.3		-
2-Hexanone	591-78-6							ug/m3	1.4		2.34		-
Dibromochloromethane	124-48-1							ug/m3	1.7	U	1.7	U	-
1,2-Dibromoethane	106-93-4							ug/m3	1.54	U	1.54	U	-
Tetrachloroethene	127-18-4		100					ug/m3	51.7		19.1		-
Chlorobenzene	108-90-7							ug/m3	0.921	U	0.921	U	-
Ethylbenzene	100-41-4				60			ug/m3	3.04		4.12		-
p/m-Xylene	179601-23-1					200		ug/m3	17.1		19.5		-
Bromoform	75-25-2							ug/m3	2.07	U	2.07	U	-
Styrene	100-42-5							ug/m3	0.852	U	0.852	U	-
1,1,2,2-Tetrachloroethane	79-34-5							ug/m3	1.37	U	1.37	U	-
o-Xylene	95-47-6				60			ug/m3	4.95		6.69		-
4-Ethyltoluene	622-96-8							ug/m3	2.93		3.09		-
1,3,5-Trimethylbenzene	108-67-8				60			ug/m3	1.68		2.4		-
1,2,4-Trimethylbenzene	95-63-6				60			ug/m3	11		13.1		-
Benzyl chloride	100-44-7							ug/m3	1.04	U	1.04	U	-
1,3-Dichlorobenzene	541-73-1							ug/m3	1.2	U	1.2	U	-
1,4-Dichlorobenzene	106-46-7							ug/m3	1.2	U	1.2	U	-
1,2-Dichlorobenzene	95-50-1							ug/m3	-	-	1.2	U	-
1,2,4-Trichlorobenzene	120-82-1							ug/m3	1.48	U	1.48	U	-
Naphthalene	91-20-3				60			ug/m3	3.86		6.5		-
Hexachlorobutadiene	87-68-3							ug/m3	2.13	U	2.13	U	-
Volatile Organics in Air by SIM													
1,2-Dichlorobenzene	95-50-1							ug/m3	0.12	U	-	-	-

* Comparison is not performed on parameters with non-numeric criteria.

NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-D: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-E: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-F: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

Result exceeds SSC

Figures

REFERENCE:

UNITED STATES GEOLOGICAL SURVEY (USGS)
BROOKLYN, NY USGS QUADRANGLE - 2019

LEGEND:

SUBJECT PROPERTY LOCATION

SCALE: 1" = 2,000'

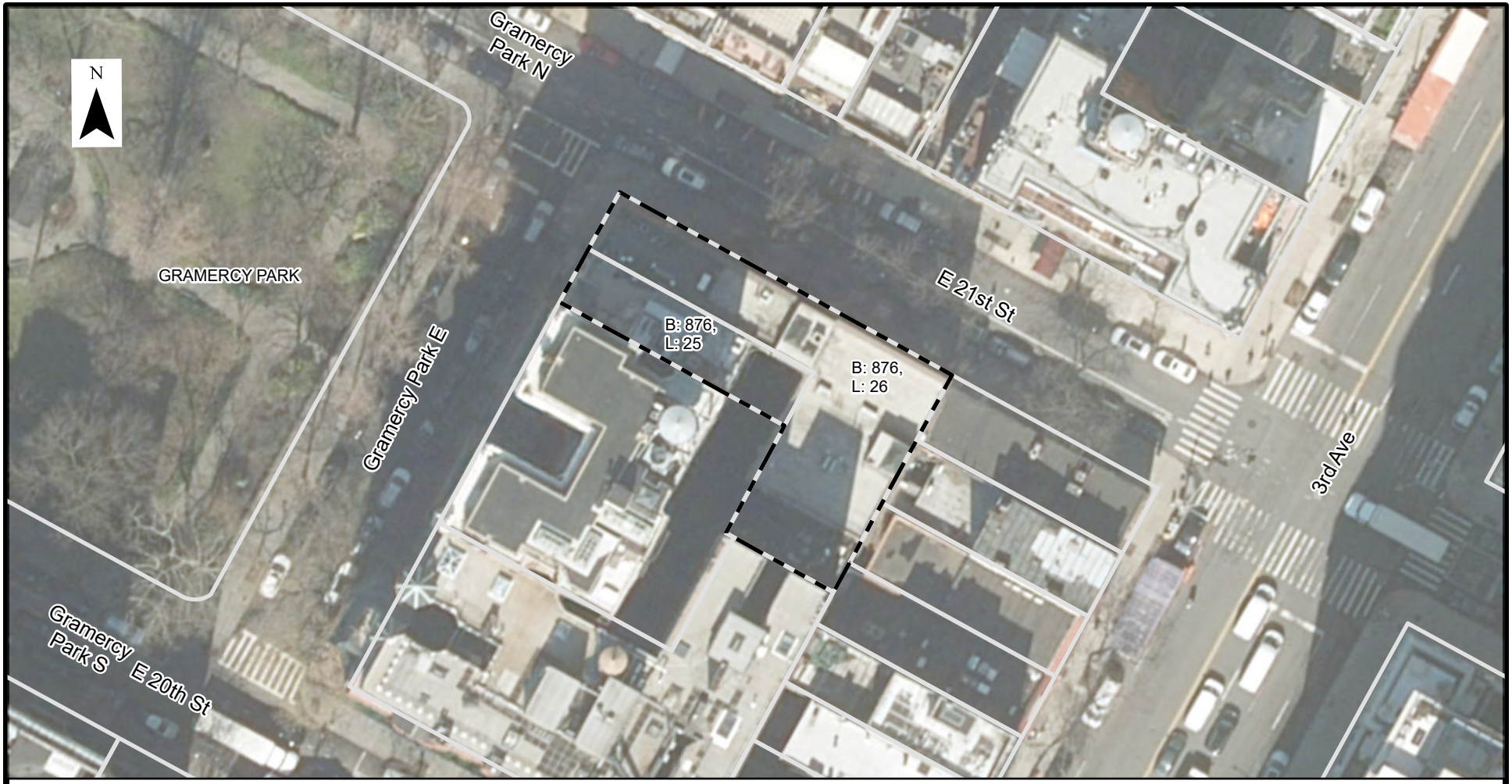
0 1,000 2,000 4,000 FEET

37 GRAMERCY PARK EAST AND
38 GRAMERCY PARK NORTH
BLOCK 876, LOTS 25 AND 26
NEW YORK, NY 10010

SUBJECT PROPERTY LOCATION MAP

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

FIG-1.1	
DRAWN BY:	KBV
CHECKED BY:	CM
SCALE:	AS NOTED
DATE:	8/29/2024
JOB NO:	13542



REFERENCE:

NEW YORK STATE, MAXAR, MICROSOFT, NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES - GIS PROGRAM OFFICE, NYS DEPT OF TAXATION AND FINANCE'S OFFICE OF REAL PROPERTY TAX SERVICES

LEGEND:

SUBJECT PROPERTY LOCATION

TAX PARCELS

SCALE: 1" = 50'

0 25 50 100 FEET

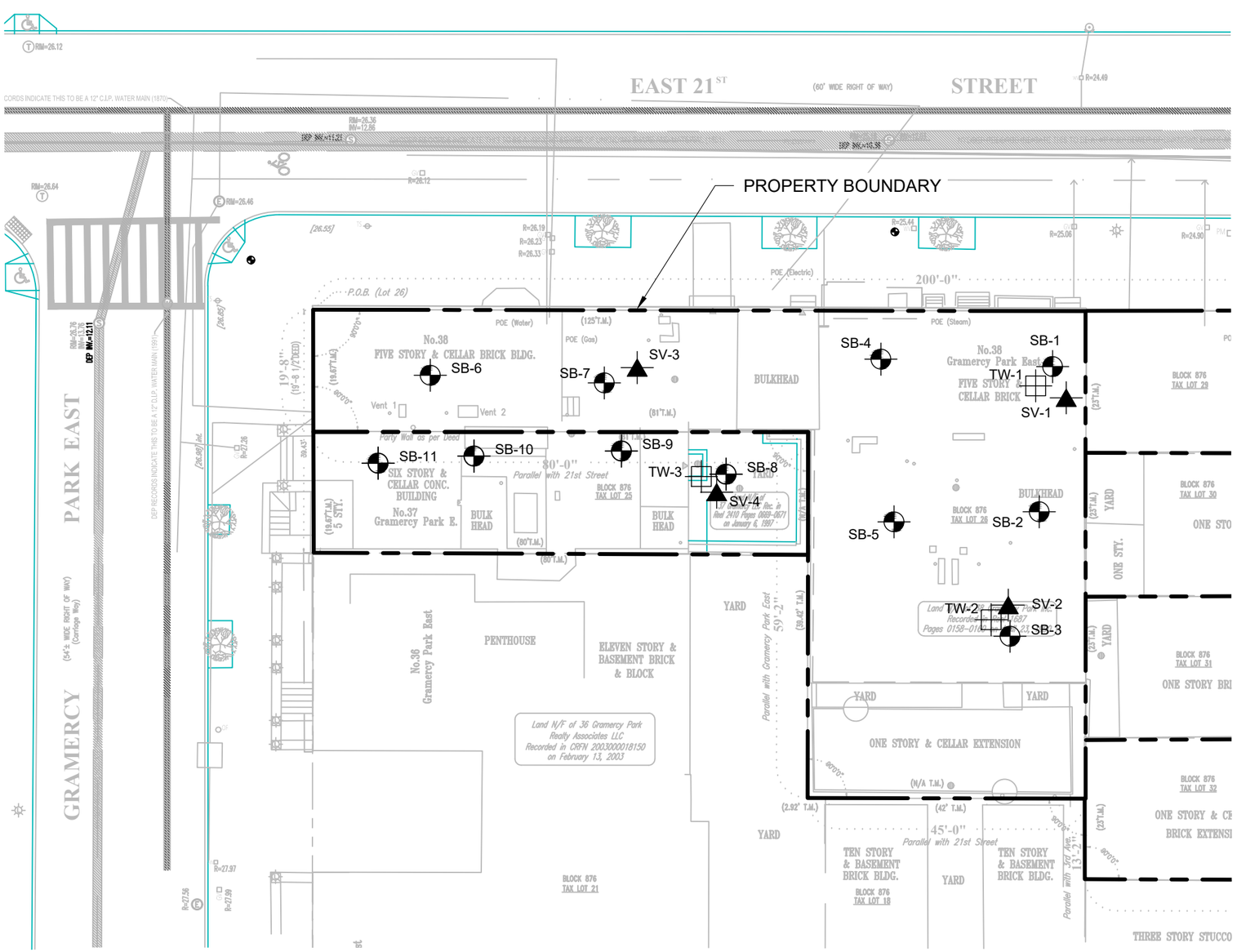
37 GRAMERCY PARK EAST AND 38 GRAMERCY PARK NORTH
BLOCK 876, LOTS 25 AND 26
NEW YORK, NY 10010

SUBJECT PROPERTY PLAN

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

FIG-1.2	
DRAWN BY:	KBV
CHECKED BY:	CM
SCALE:	AS NOTED
DATE:	8/29/2024
JOB NO.:	13542

Y:\GIS\Project_Numbers\13542\APRX_PROJECT\APRX_Phase1_Prj_No.aprx, 8/29/2024 3:47 PM, Kim Vanderklein, LAYOUT: FIG-1.2



LEGEND:

SB-1 - SOIL BORING & APPROXIMATE LOCATION

SV-2 - SOIL VAPOR POINT & APPROXIMATE LOCATION

TW-2 - TEMPORARY WELL & APPROXIMATE LOCATION

SCALE: 1"=20'

0 20 40

NOTE:

THIS PLAN IS FOR LOCATING BORINGS, TEMP WELLS AND SOIL VAPOR POINTS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE

1. EXISTING CONDITIONS & BOUNDARY IS A DOWNLOADED FILE TAKEN FROM WEBSITE ZOLA.PLANNING.NYC.GOV. - NYC DEPARTMENT OF CITY PLANNING. DATE: UNKNOWN

dwg by: AW
chk by: JL
scale: AS NOTED
date: 08/29/2024

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

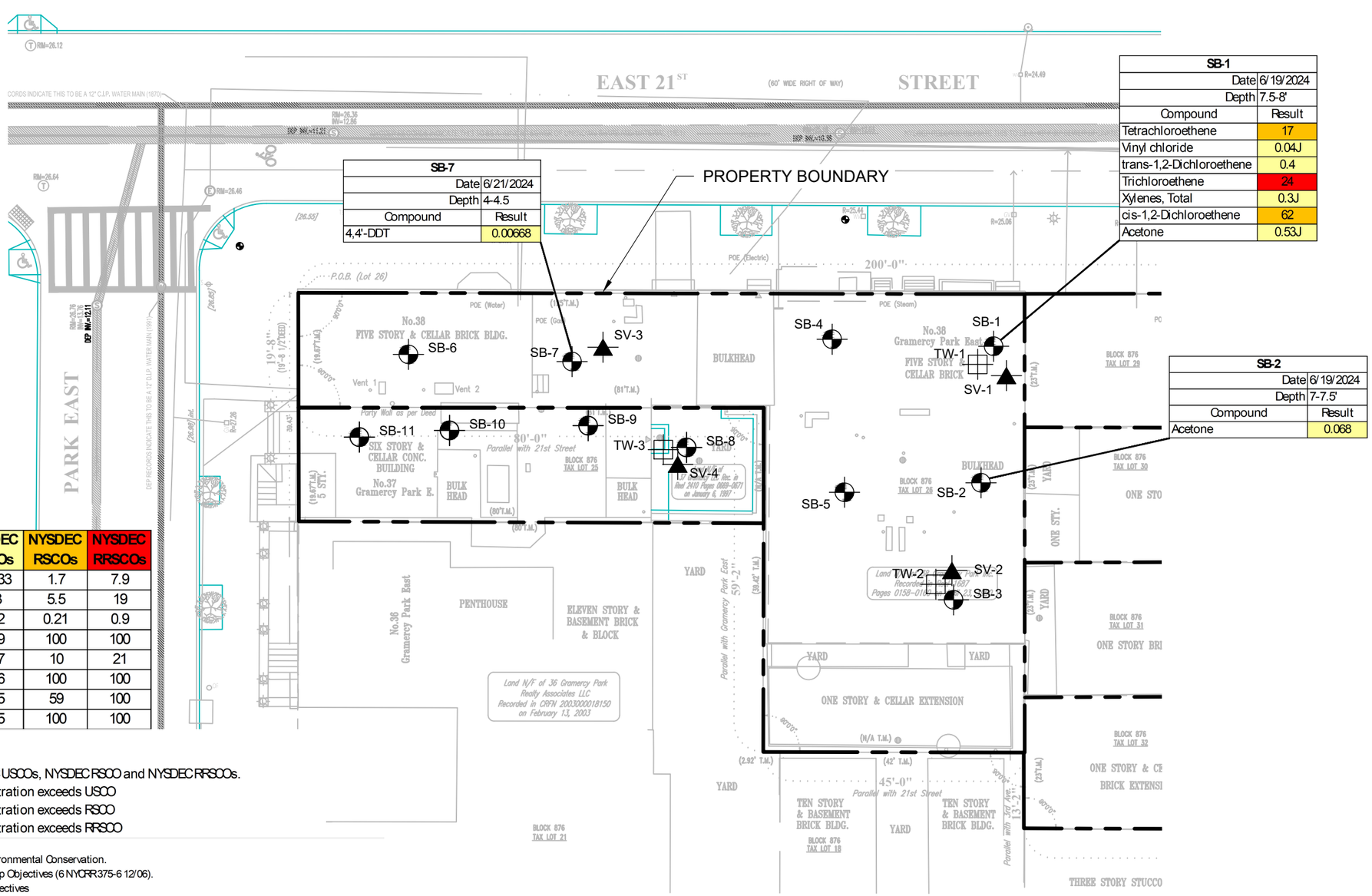
project: 37 GRAMERCY PARK EAST, 38 GRAMERCY PARK NORTH NEW YORK, NEW YORK

title: BORING LOCATION PLAN

job no: 13542
drawing no:

FIG-2.1

N:\ACAD\13542\CAD\GEOTECH\LOCATION PLANS\[SS]\13542.DWG.SOIL_BORING_LOCATION_PLAN -37-38.DWG 08/29/24 03:58:44PM, alan.ward, LAYOUT:BORING LOC



Analyte	NYSDEC USCOs	NYSDEC RSCOs	NYSDEC RRSCOs
4,4'-DDT	0.0033	1.7	7.9
Tetrachloroethene	1.3	5.5	19
Vinyl chloride	0.02	0.21	0.9
trans-1,2-Dichloroethene	0.19	100	100
Trichloroethene	0.47	10	21
Xylenes, Total	0.26	100	100
cis-1,2-Dichloroethene	0.25	59	100
Acetone	0.05	100	100

NOTES

1. Results are measured in mg/kg.
2. Results are compared to NYSDEC USCOs, NYSDEC RSCO and NYSDEC RRSCOs.

= concentration exceeds USCO
= concentration exceeds RSCO
= concentration exceeds RRSCO

ABBREVIATIONS

NYSDEC = New York State Department of Environmental Conservation.
USCO = NYSDEC Unrestricted Use Soil Cleanup Objectives (6 NYCRR 375-6 12/06).
RSCO = NYSDEC Residential Soil Cleanup Objectives
RRSCO = NYSDEC Restricted Use Soil Cleanup Objectives w/CP-51 (1/10) (6 NYCRR 375-6 12/06).
mg/kg = Miligrams per kilogram.
Sample Depth is reported in feet below ground surface.
J- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs)

LEGEND:

SB-1 - SOIL BORING & APPROXIMATE LOCATION
SV-2 - SOIL VAPOR POINT & APPROXIMATE LOCATION
TW-2 - TEMPORARY WELL & APPROXIMATE LOCATION

SCALE: 1"=20'
0 20 40

NYS Education Law

Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

NOTE:

THIS PLAN IS FOR LOCATING BORINGS, TEMP WELLS AND SOIL VAPOR POINTS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE

1. EXISTING CONDITIONS & BOUNDARY IS A DOWNLOADED FILE TAKEN FROM WEBSITE ZOLA.PLANNING.NYC.GOV. - NYC DEPARTMENT OF CITY PLANNING. DATE: UNKNOWN

dwg by: AW
chk by: JL
scale: AS NOTED
date: 08/14/2024

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

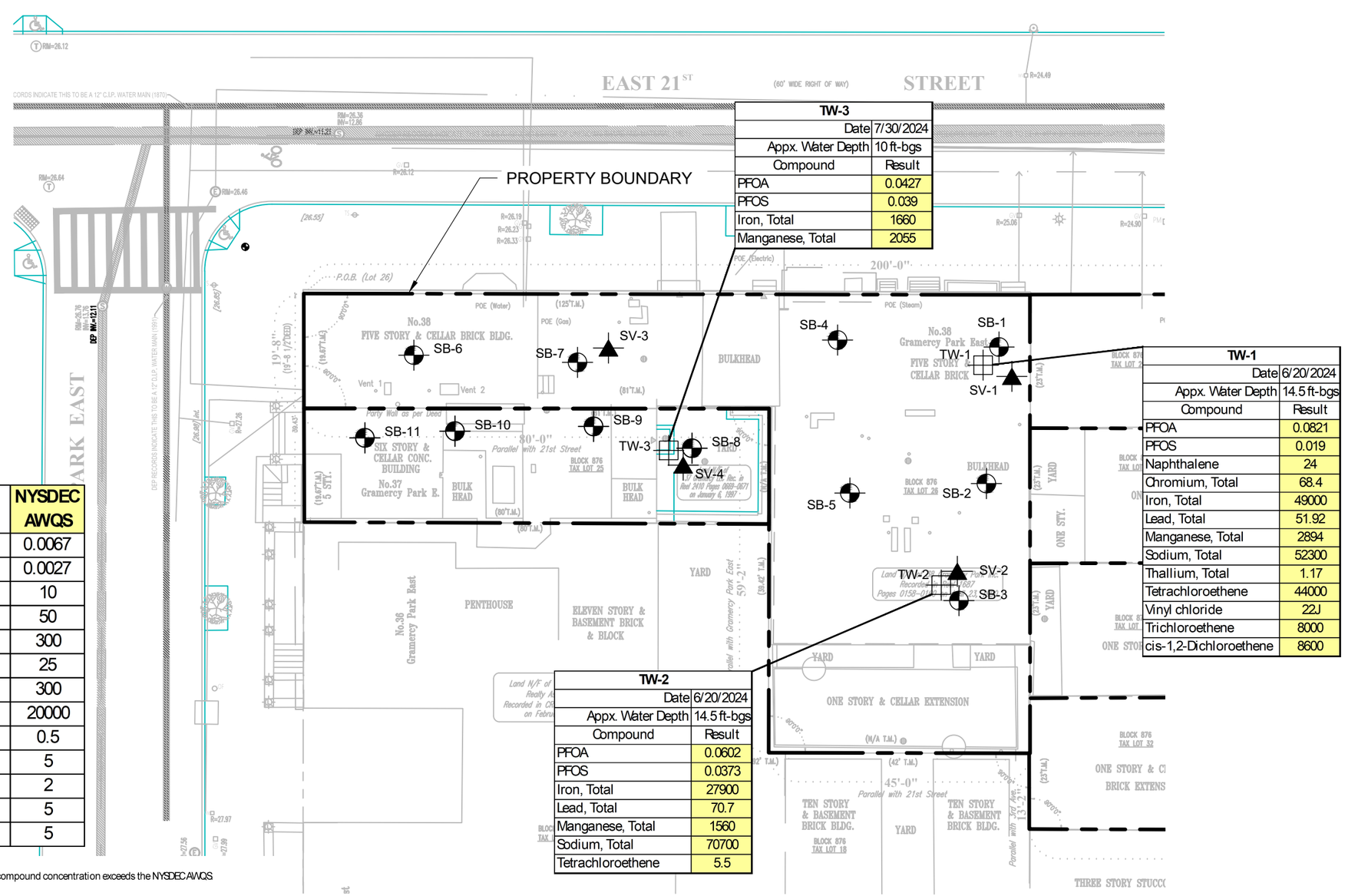
project: 37 GRAMERCY PARK EAST, 38 GRAMERCY PARK NORTH NEW YORK, NEW YORK

title: SOIL SAMPLE LOCATIONS AND CONCENTRATIONS PLAN

job no: 13542
drawing no:

FIG-3.1

N:\ACAD\13542\CAD\GEOTECH\LOCATION PLANS\[SS]\13542.DWG.SOIL_BORING_LOCATION_PLAN -37-38.DWG 08/29/24 05:14:08PM, alan.ward, LAYOUT:SOIL (37-38 GRAMERCY)



TW-3	
Date	7/30/2024
Appx. Water Depth	10 ft-bgs
Compound	Result
PFOA	0.0427
PFOS	0.039
Iron, Total	1660
Manganese, Total	2055

TW-1	
Date	6/20/2024
Appx. Water Depth	14.5 ft-bgs
Compound	Result
PFOA	0.0821
PFOS	0.019
Naphthalene	24
Chromium, Total	68.4
Iron, Total	49000
Lead, Total	51.92
Manganese, Total	2894
Sodium, Total	52300
Thallium, Total	1.17
Tetrachloroethene	44000
Vinyl chloride	22J
Trichloroethene	8000
cis-1,2-Dichloroethene	8600

TW-2	
Date	6/20/2024
Appx. Water Depth	14.5 ft-bgs
Compound	Result
PFOA	0.0602
PFOS	0.0373
Iron, Total	27900
Lead, Total	70.7
Manganese, Total	1560
Sodium, Total	70700
Tetrachloroethene	5.5

Analyte	Units	NYSDEC AWQS
PFOA	ug/l	0.0067
PFOS	ug/l	0.0027
Naphthalene	ug/l	10
Chromium, Total	ug/l	50
Iron, Total	ug/l	300
Lead, Total	ug/l	25
Manganese, Total	ug/l	300
Sodium, Total	ug/l	20000
Thallium, Total	ug/l	0.5
Tetrachloroethene	ug/l	5
Vinyl chloride	ug/l	2
Trichloroethene	ug/l	5
cis-1,2-Dichloroethene	ug/l	5

NOTES

= Yellow highlight indicates the compound concentration exceeds the NYSDEC AWQS

ABBREVIATIONS

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ug/l = Micrograms per liter
J- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs)
BGS- Below Grade Surface

LEGEND:

SB-1 - SOIL BORING & APPROXIMATE LOCATION

SV-2 - SOIL VAPOR POINT & APPROXIMATE LOCATION

TW-2 - TEMPORARY WELL & APPROZIMATE LOCATION

SCALE: 1"=20'

0 20 40

NOTE:
THIS PLAN IS FOR LOCATING BORINGS, TEMP WELLS AND SOIL VAPOR POINTS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE
1. EXISTING CONDITIONS & BOUNDARY IS A DOWNLOADED FILE TAKEN FROM WEBSITE ZOLA.PLANNING.NYC.GOV. - NYC DEPARTMENT OF CITY PLANNING. DATE: UNKNOWN

dwg by: AW
chk by: JL
scale: AS NOTED
date: 08/14/2024

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

project: 37 GRAMERCY PARK EAST, 38 GRAMERCY PARK NORTH NEW YORK, NEW YORK

title: GROUNDWATER SAMPLE LOCATIONS AND CONCENTRATIONS PLAN

job no: 13542
drawing no: FIG-3.2

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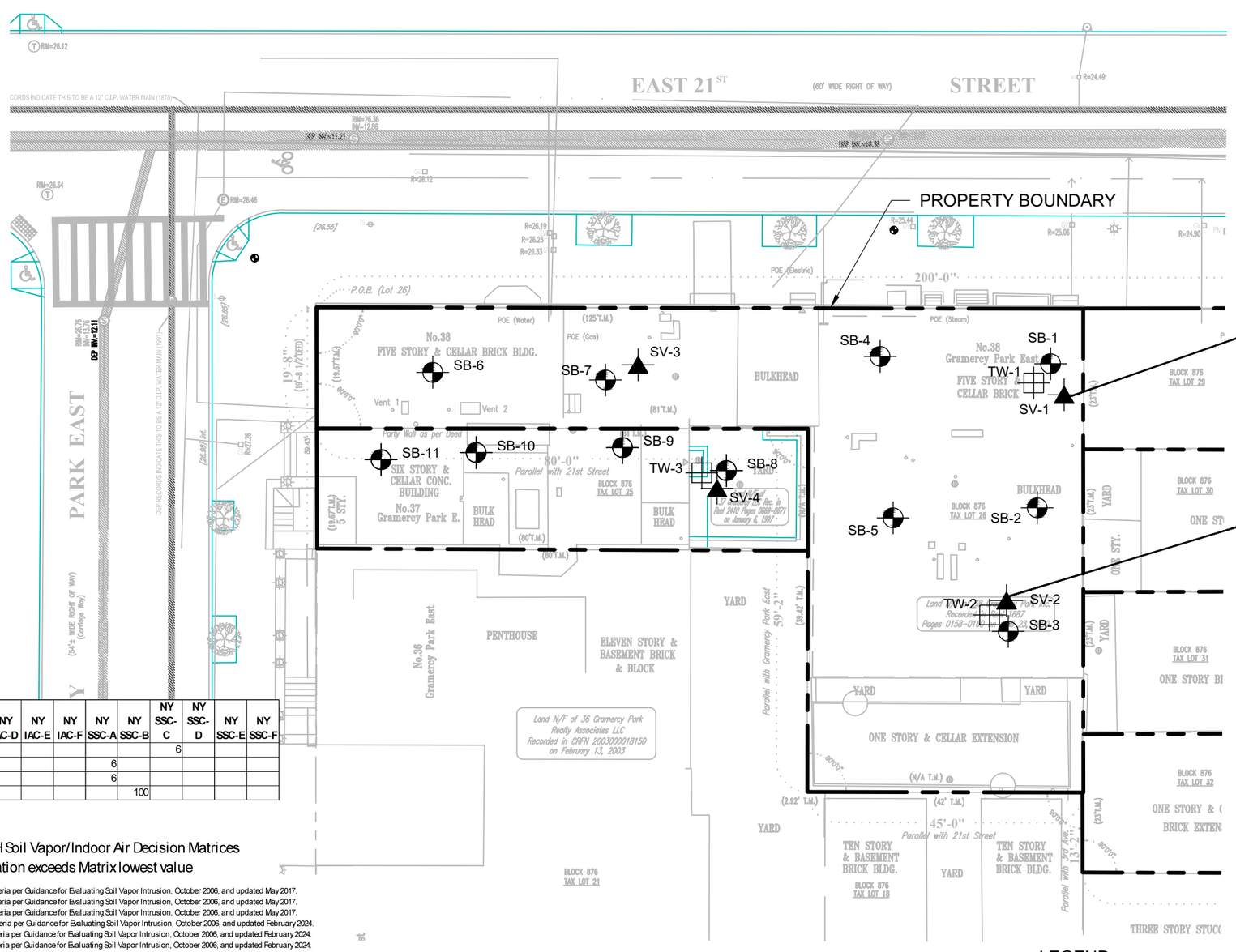

SV-1	
Date	6/20/2024
Compound	Result
Vinyl chloride	2,280
cis-1,2-Dichloroethene	456,000
Trichloroethene	439,000
Tetrachloroethene	3,630,000

SV-2	
Date	6/20/2024
Compound	Result
cis-1,2-Dichloroethene	468
Trichloroethene	478
Tetrachloroethene	4670

Analyte	NY IAC-A	NY IAC-B	NY IAC-C	NY IAC-D	NY IAC-E	NY IAC-F	NY SSC-A	NY SSC-B	NY SSC-C	NY SSC-D	NY SSC-E	NY SSC-F
Vinyl chloride			0.2						6			
cis-1,2-Dichloroethene	0.2						6					
Trichloroethene	0.2						6					
Tetrachloroethene		3						100				

NOTES:

1. Results are measured in ug/m3.
2. Results are compared to NYSDOH Soil Vapor/Indoor Air Decision Matrices

= concentration exceeds Matrix lowest value

ABBREVIATIONS

NY-IAC-A: New York DOH Matrix A Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-IAC-B: New York DOH Matrix B Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-IAC-C: New York DOH Matrix C Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-IAC-D: New York DOH Matrix D Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated February 2024.
NY-IAC-E: New York DOH Matrix E Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated February 2024.
NY-IAC-F: New York DOH Matrix E Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated February 2024.
NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.
NY-SSC-D: New York DOH Matrix D Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated February 2024.
NY-SSC-E: New York DOH Matrix E Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated February 2024.
NY-SSC-F: New York DOH Matrix F Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated February 2024.

LEGEND:

SB-1 - SOIL BORING & APPROXIMATE LOCATION

SV-2 - SOIL VAPOR POINT & APPROXIMATE LOCATION

TW-2 - TEMPORARY WELL & APPROXIMATE LOCATION

SCALE: 1"=20'

0 20 40

NOTE:
THIS PLAN IS FOR LOCATING BORINGS, TEMP WELLS AND SOIL VAPOR POINTS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE
1. EXISTING CONDITIONS & BOUNDARY IS A DOWNLOADED FILE TAKEN FROM WEBSITE ZOLA.PLANNING.NYC.GOV. - NYC DEPARTMENT OF CITY PLANNING. DATE: UNKNOWN

dwg by: AW
chk by: JL
scale: AS NOTED
date: 08/14/2024

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

project: 37 GRAMERCY PARK EAST, 38 GRAMERCY PARK NORTH NEW YORK, NEW YORK

title: SOIL VAPOR SAMPLING LOCATIONS AND CONCENTRATIONS PLAN

job no: 13542
drawing no: FIG-3.3

N:\ACAD\13542\CAD\GEOTECH\LOCATION PLANS\[SS]\13542.DWG.SOIL_BORING_LOCATION_PLAN -37-38.DWG 08/29/24 03:54:02PM, alan.ward, LAYOUT:SV (37-38 GRAMERCY)

Appendix A:

Boring Logs

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-1/TW-1

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 06-19-2024 **COMPLETED** 06-19-2024
DRILLING CONTRACTOR P.G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY E. Quach **CHECKED BY** J. Lamborn
LATITUDE 40.737643 **LONGITUDE** -73.984525

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 20.7±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Concrete, Brick, Asphalt							1.7	
		Fill: Brown coarse to fine SAND, little Silt, little medium to fine Gravel, with Bricks		1		29			1.2	
									2.4	
		Fill: Brown coarse to fine SAND, some Clayey Silt, trace medium to fine Gravel							4.6	
	16		5	2		44			6.5	
									23.5	
		Fill: Dark brown/gray Clayey SILT, little medium to fine Sand, trace medium to fine Gravel, with Bricks							590.4	
		Gray-brown medium to fine SAND, little Clayey Silt, trace medium to fine Gravel					SB-1 (7.5-8)		2079.6	
				3		45			1035.4	
	11		10						77.1	
		Brown coarse to fine SAND, little Silt, little coarse to fine Gravel							34.8	
									69.8	
				4		42			34.3	Dark staining observed, wet
									41.7	
	6	Brown Silty CLAY, some coarse to fine Sand, trace medium to fine Gravel							35.4	
		BOREHOLE COMPLETED AT 15± FEET	15							
	1		20							
	-4		25							
	-9		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-2

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 06-19-2024 **COMPLETED** 06-19-2024
DRILLING CONTRACTOR P. G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY E. Quach **CHECKED BY** J. Lamborn
LATITUDE 40.737590 **LONGITUDE** -73.984573

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 20.7±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, some coarse to fine Gravel, with Bricks, Concrete, Asphalt							0.0	
		Fill: Brown coarse to fine SAND, little Silt, trace medium to fine Gravel, with Bricks		1		30			0.2	
									0.4	
		Fill: Brown medium to fine SAND, some Clayey Silt, trace medium to fine Gravel, with Bricks							0.2	
		Brown Silty CLAY, trace fine Sand, trace fine Gravel							0.8	
	16		5	2		38				
		Gray/dark brown Silty CLAY, trace fine Sand, trace fine Gravel							0.6	
									0.4	
		Brown Clayey SILT, some medium to fine Sand, trace fine Gravel					SB-2 (7-7.5)		0.9	
				3		47			0.1	
	11		10						0.5	
		Brown coarse to fine SAND, little Silt, little fine Gravel							0.4	
									0.2	
				4		36			0.4	
									0.2	
	6		15						0.8	
		BOREHOLE COMPLETED AT 15± FEET								
	1		20							
	-4		25							
	-9		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-3/TW-2

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 06-19-2024 **COMPLETED** 06-19-2024
DRILLING CONTRACTOR P. G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY E. Quach **CHECKED BY** J. Lamborn
LATITUDE 40.737548 **LONGITUDE** -73.984623

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 20.7±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Concrete, Brick, and Asphalt							0.0	
		Fill: Brown coarse to fine SAND, some coarse to fine Gravel, little Silt, with Bricks		1					0.0	
									0.0	
		Fill: Brown coarse to fine SAND, some Clayey Silt, trace fine Gravel							0.0	
	16		5	2					0.0	
		Brown coarse to fine SAND, some Clayey Silt, trace fine Gravel							0.5	
		Gray Silty CLAY, little medium to fine Sand, trace fine Gravel					SB-3 (6.5-7)		1.3	
				3					0.3	
									0.0	
	11	Brown Clayey SILT, some coarse to fine Sand, trace fine Gravel	10						0.0	
									0.0	
		Gray Silty CLAY, little medium to fine Sand, trace fine Gravel							0.0	
		Brown coarse to fine SAND, little Silt, trace fine Gravel		4					0.0	
									0.0	
	6		15						0.0	
		BOREHOLE COMPLETED AT 15± FEET								
	1		20							
	-4		25							
	-9		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-4

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 06-19-2024 **COMPLETED** 06-19-2024
DRILLING CONTRACTOR P. G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN _____ **HELPER** _____
LOGGED BY E. Quach **CHECKED BY** J. Lamborn
LATITUDE 40.737683 **LONGITUDE** -73.984610

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 19.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER _____
AUGER INNER DIAMETER _____ **OUTER DIAMETER** _____
ROTARY BIT DIAMETER _____ **GROUNDWATER LEVELS:**
CASING DIAMETER _____ ▽ **AT TIME OF DRILLING** _____
CASING DEPTH _____ ▼ **AT END OF DRILLING** _____
FINAL DEPTH 11.0± ft ▼ **AFTER DRILLING** _____

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, some coarse to fine Gravel, little Silt, with Concrete							0.0	
		Fill: Brown medium to fine SAND, some Silt, trace fine Gravel		1		21			0.0	
									0.0	
		Fill: Gray coarse to fine GRAVEL, with Concrete							0.0	
	14	Brown coarse to fine SAND, some Clayey Silt, trace fine Gravel	5	2		32			0.0	
									0.0	
		Gray/brown Silty CLAY, trace medium to fine Sand, trace fine Gravel							0.0	
		Brown/gray Clayey SILT, some coarse to fine Sand, trace fine Gravel							0.0	
				3		42			0.1	
		Gray Clayey SILT, some Clay, little coarse to fine Sand, trace fine Gravel							0.1	
	9	Gray/brown medium to fine SAND, some Clayey Silt, trace fine Gravel	10				SB-4 (10.5-11)			
		BOREHOLE COMPLETED AT 11± FEET DUE TO REFUSAL								
	4		15							
	-1		20							
	-6		25							
	-11		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-5

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 06-21-2024 **COMPLETED** 06-21-2024
DRILLING CONTRACTOR P. G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY E. Quach **CHECKED BY** J. Lamborn
LATITUDE 40.737617 **LONGITUDE** -73.984650

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 20.7±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, some coarse to fine Gravel, trace Silt, with Brick and Concrete fragments		1		15			0.0	
		Fill: Brown Clayey SILT little coarse to fine Sand, trace Gravel, with Bricks							0.0	
		Fill: Brown coarse to fine SAND, trace fine Gravel, trace Silt, with Bricks, Glass							0.0	
	16	Fill: Brown Clayey SILT, some medium to fine Sand, little coarse to fine Gravel, with Bricks	5	2		37			0.0	
									0.0	
		Gray-brown Silty CLAY, little medium to fine Sand, trace fine Gravel							0.0	
				3		44			0.0	
	11	Brown SILT, some coarse to fine SAND, trace fine Gravel	10						0.0	
									0.0	
		Brown coarse to fine SAND, trace fine Gravel, trace Silt (discoloration)		4		43	SB-5 (13.5-14)		0.0	
									0.0	
	6	Brown coarse to fine SAND, some Silt, some fine Gravel							0.0	
		BOREHOLE COMPLETED AT 15± FEET	15							
	1		20							
	-4		25							
	-9		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-6

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 06-21-2024 **COMPLETED** 06-21-2024
DRILLING CONTRACTOR P. G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY E. Quach **CHECKED BY** J. Lamborn
LATITUDE 40.737774 **LONGITUDE** -73.984845

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 21.8±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, some Silt, little coarse to fine Gravel, with Brick		1		26			0.0	
	17	Brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel	5	2		32			0.0	
	12	Brown Clayey SILT, some coarse to fine SAND, trace fine Gravel	10	3		33			0.0	
	7	Fill: Gray-brown Clayey SILT, and coarse to fine Sand, little coarse to fine Gravel, with Brick	15	4		44	SB-6 (12-12.5)		0.0	
		BOREHOLE COMPLETED AT 15± FEET								
	2		20							
	-3		25							
	-8		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-7

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 06-21-2024 **COMPLETED** 06-21-2024
DRILLING CONTRACTOR P.G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY E. Quach **CHECKED BY** J. Lamborn
LATITUDE **LONGITUDE**

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 21.6±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Gray coarse to fine GRAVEL, some coarse to fine Sand, little Silt, with Brick							0.0	
		Fill: Brown coarse to fine SAND, some Clayey Silt, trace Gravel		1		26			0.0	
		Fill: Brown Clayey SILT, some coarse to fine SAND, trace fine Gravel, Organics							0.0	Organics
		Fill: Brown coarse to fine SAND, little Silt, little coarse to fine Gravel							0.0	
	17	Fill: Brown/gray Silty CLAY, trace medium to fine Sand, trace fine Gravel, with Brick	5	2		29	SB-7 (4-4.5)		0.0	Dark brown discoloration
		Brown coarse to fine SAND, some Silt, trace fine Gravel							0.0	
		Brown Silty CLAY, some coarse to fine Sand, trace fine Gravel		3		38			0.0	
	12	Brown coarse to fine SAND, some Clayey Silt, trace Gravel	10	4		44			0.0	
									0.0	
	7			5		37			0.0	
		BOREHOLE COMPLETED AT 15± FEET	15						0.0	
	2		20							
	-3		25							
	-8		30							
	-13									

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-8/TW-3

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 07-29-2024 **COMPLETED** 07-29-2024
DRILLING CONTRACTOR P.G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY C. Barletta **CHECKED BY** J. Lamborn
LATITUDE 40.737672 **LONGITUDE** -73.984722

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 21.8±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Concrete							0.0	
		Gray-brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt		1					0.0	
									0.0	
		Brown coarse to fine SAND some Clayey Silt, little coarse to fine Gravel							0.0	
	17		5	2					0.0	
									0.0	
							WC-5 COMP		0.0	
		Gray Silty CLAY, little Silt, trace coarse to fine Sand, trace coarse to fine Gravel					SB-08 (7-7.5)		0.0	
				3					0.0	
	12		10						0.0	Groundwater
		Dark brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel							0.0	
				4					0.0	
									0.0	All groundwater
	7	Dark brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel							0.0	
		BOREHOLE COMPLETED AT 15± FEET DUE TO REFUSAL	15							
	2		20							
	-3		25							
	-8		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-9

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 07-29-2024 **COMPLETED** 07-29-2024
DRILLING CONTRACTOR P.G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY C. Barletta **CHECKED BY** J. Lamborn
LATITUDE **LONGITUDE**

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 21.1±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt		1		24			0.0 0.0 0.0	
	17	Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel	5	2					0.0 0.0 0.0 0.0	
	12	Gray Silty CLAY, trace coarse to fine Sand, trace coarse to fine Gravel	10	3					0.0 0.0 0.0 0.0	
	7	Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel		4			SB-09 (13.5-14) WC-5 COMP		0.0 0.0 0.0 0.0	
		BOREHOLE COMPLETED AT 15± FEET	15							
	2		20							
	-3		25							
	-8		30							
	-13									

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-10

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 07-29-2024 **COMPLETED** 07-29-2024
DRILLING CONTRACTOR P.G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY C. Barletta **CHECKED BY** J. Lamborn
LATITUDE 40.737733 **LONGITUDE** -73.984845

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 21.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 15.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, some coarse to fine Gravel, little Silty Clay		1		24	SB-10 (1.5-2) WC-5 COMP		0.0 0.0 0.0	
	16	Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel	5	2		36			0.0 0.0 0.0 0.0	
	11	Gray Silty CLAY, little coarse to fine Sand, trace coarse to fine Gravel	10	3		44			0.0 0.0 0.0 0.0	
		Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel, trace Clay		4		30			0.0 0.0 0.0 0.0	
	6	BOREHOLE COMPLETED AT 15± FEET	15							
	1		20							
	-4		25							
	-9		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-11

PROJECT NAME 252 Third Ave.- NYSDEC BCP. Site No. C231154
PROJECT NO. 13542
DATE STARTED 07-29-2024 **COMPLETED** 07-29-2024
DRILLING CONTRACTOR P.G. Environmental
SAMPLER Direct Push
EQUIPMENT GeoProbe 420Dt
DRILLING FOREMAN **HELPER**
LOGGED BY C. Barletta **CHECKED BY** J. Lamborn
LATITUDE 40.737751 **LONGITUDE** -73.984896

PROJECT LOCATION Block 846 Lots 29, 30, 31, 32 and 25, 26, New York, NY
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 21.3±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Fill: Brick, concrete							0.0	
		Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt		1			SB-11 (2.5-3)		0.0	
							WC-5 Grab (3-3.5)		0.0	
	17	Brown Clayey SILT, some coarse to fine Sand, little coarse to fine Gravel	5						0.0	
							WC-5 COMP		0.0	
				3					0.0	
									0.0	
	12	Gray Silty CLAY, little coarse to fine Sand, trace coarse to fine Gravel	10							Rock
		BOREHOLE COMPLETED AT 10± FEET DUE TO REFUSAL								
	7		15							
	2		20							
	-3		25							
	-8		30							
	-13									

Appendix B:

Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L2434670
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	James Vander Vliet
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	13542
Report Date:	07/03/24

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: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2434670-01	SB-1 (7.5-8)	SOIL	38 GRAMERCY PARK E, NEW YORK NY	06/19/24 10:50	06/19/24
L2434670-02	SB-2 (7-7.5)	SOIL	38 GRAMERCY PARK E, NEW YORK NY	06/19/24 14:00	06/19/24
L2434670-03	SB-3 (6.5-7)	SOIL	38 GRAMERCY PARK E, NEW YORK NY	06/19/24 15:00	06/19/24

Project Name:	Not Specified	**Lab Number:**	L2434670
Project Number:	13542	**Report Date:**	07/03/24

Case Narrative

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

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

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

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

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

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

Project Name: Not Specified **Lab Number:** L2434670
Project Number: 13542 **Report Date:** 07/03/24

Case Narrative (continued)

Report Submission
July 03, 2024: This final report includes the results of all requested analyses.
June 28, 2024: This is a preliminary report.
June 27, 2024: 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.

Sample Receipt
L2434670-01 through -03: The Client ID was specified by the client.

Perfluorinated Alkyl Acids by 1633
L2434670-02, -03, and WG1941733-1: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Pesticides
L2434670-02: The internal standard (IS) response for 1-bromo-2-nitrobenzene (291%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (18%) and decachlorobiphenyl (17%) due to interference with the Internal Standard.
L2434670-03: The internal standard (IS) response for 1-bromo-2-nitrobenzene (508%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (10%) and decachlorobiphenyl (10%) due to interference with the Internal

Project Name:	Not Specified	**Lab Number:**	L2434670
Project Number:	13542	**Report Date:**	07/03/24

Case Narrative (continued)

Standard.

Total Metals

L2434670-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1939050-1 Method Blank, associated with L2434670-01 through -03, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Hexavalent Chromium

The WG1939018-2 LCS recovery for chromium, hexavalent (75%), associated with L2434670-01 through -03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1939018-4 Insoluble MS recovery for chromium, hexavalent (0%), performed on L2434670-01, is outside the acceptance criteria. The Soluble MS recovery for chromium, hexavalent (0%) was also outside criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 91%.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 07/03/24

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01
Client ID: SB-1 (7.5-8)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 10:50
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/25/24 16:24
Analyst: JIC
Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	520	240	1
1,1-Dichloroethane	ND		ug/kg	100	15.	1
Chloroform	ND		ug/kg	150	14.	1
Carbon tetrachloride	ND		ug/kg	100	24.	1
1,2-Dichloropropane	ND		ug/kg	100	13.	1
Dibromochloromethane	ND		ug/kg	100	14.	1
1,1,2-Trichloroethane	ND		ug/kg	100	28.	1
Tetrachloroethene	17000		ug/kg	52	20.	1
Chlorobenzene	21	J	ug/kg	52	13.	1
Trichlorofluoromethane	ND		ug/kg	410	72.	1
1,2-Dichloroethane	ND		ug/kg	100	26.	1
1,1,1-Trichloroethane	ND		ug/kg	52	17.	1
Bromodichloromethane	ND		ug/kg	52	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	100	28.	1
cis-1,3-Dichloropropene	ND		ug/kg	52	16.	1
1,3-Dichloropropene, Total	ND		ug/kg	52	16.	1
1,1-Dichloropropene	ND		ug/kg	52	16.	1
Bromoform	ND		ug/kg	410	25.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	52	17.	1
Benzene	ND		ug/kg	52	17.	1
Toluene	ND		ug/kg	100	56.	1
Ethylbenzene	64	J	ug/kg	100	14.	1
Chloromethane	ND		ug/kg	410	96.	1
Bromomethane	ND		ug/kg	210	60.	1
Vinyl chloride	40	J	ug/kg	100	35.	1
Chloroethane	ND		ug/kg	210	47.	1
1,1-Dichloroethene	ND		ug/kg	100	24.	1
trans-1,2-Dichloroethene	400		ug/kg	150	14.	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01 Date Collected: 06/19/24 10:50

Client ID: SB-1 (7.5-8) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	24000		ug/kg	52	14.	1
1,2-Dichlorobenzene	ND		ug/kg	210	15.	1
1,3-Dichlorobenzene	ND		ug/kg	210	15.	1
1,4-Dichlorobenzene	66	J	ug/kg	210	18.	1
Methyl tert butyl ether	ND		ug/kg	210	21.	1
p/m-Xylene	260		ug/kg	210	58.	1
o-Xylene	44	J	ug/kg	100	30.	1
Xylenes, Total	300	J	ug/kg	100	30.	1
cis-1,2-Dichloroethene	55000	E	ug/kg	100	18.	1
1,2-Dichloroethene, Total	62000		ug/kg	150	14.	1
Dibromomethane	ND		ug/kg	210	24.	1
Styrene	ND		ug/kg	100	20.	1
Dichlorodifluoromethane	ND		ug/kg	1000	94.	1
Acetone	530	J	ug/kg	1000	500	1
Carbon disulfide	ND		ug/kg	1000	470	1
2-Butanone	ND		ug/kg	1000	230	1
Vinyl acetate	ND		ug/kg	1000	220	1
4-Methyl-2-pentanone	ND		ug/kg	1000	130	1
1,2,3-Trichloropropane	ND		ug/kg	210	13.	1
2-Hexanone	ND		ug/kg	1000	120	1
Bromochloromethane	ND		ug/kg	210	21.	1
2,2-Dichloropropane	ND		ug/kg	210	21.	1
1,2-Dibromoethane	ND		ug/kg	100	29.	1
1,3-Dichloropropane	ND		ug/kg	210	17.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	52	14.	1
Bromobenzene	ND		ug/kg	210	15.	1
n-Butylbenzene	32	J	ug/kg	100	17.	1
sec-Butylbenzene	24	J	ug/kg	100	15.	1
tert-Butylbenzene	ND		ug/kg	210	12.	1
o-Chlorotoluene	ND		ug/kg	210	20.	1
p-Chlorotoluene	ND		ug/kg	210	11.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	310	100	1
Hexachlorobutadiene	ND		ug/kg	410	17.	1
Isopropylbenzene	42	J	ug/kg	100	11.	1
p-Isopropyltoluene	27	J	ug/kg	100	11.	1
Naphthalene	940		ug/kg	410	67.	1
Acrylonitrile	ND		ug/kg	410	120	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01 Date Collected: 06/19/24 10:50

Client ID: SB-1 (7.5-8) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	75	J	ug/kg	100	18.	1
1,2,3-Trichlorobenzene	ND		ug/kg	210	33.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	28.	1
1,3,5-Trimethylbenzene	190	J	ug/kg	210	20.	1
1,2,4-Trimethylbenzene	540		ug/kg	210	34.	1
1,4-Dioxane	ND		ug/kg	8300	3600	1
p-Diethylbenzene	140	J	ug/kg	210	18.	1
p-Ethyltoluene	290		ug/kg	210	40.	1
1,2,4,5-Tetramethylbenzene	64	J	ug/kg	210	20.	1
Ethyl ether	ND		ug/kg	210	35.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	520	150	1

Tentatively Identified Compounds						
Total TIC Compounds	1160	J	ug/kg			1
Boric acid, trimethyl ester	1160	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01 D
Client ID: SB-1 (7.5-8)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 10:50
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/24/24 03:21
Analyst: AJK
Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
cis-1,2-Dichloroethene	62000		ug/kg	1000	180	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 14:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/23/24 19:06
Analyst: AJK
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	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	0.34	1
Tetrachloroethene	16		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.88	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.3	0.69	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.5	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	1.9		ug/kg	1.9	0.17	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02 Date Collected: 06/19/24 14:00

Client ID: SB-2 (7-7.5) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	24		ug/kg	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	62		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	64		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	68		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	14		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.21	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.82	1
Acrylonitrile	ND		ug/kg	5.1	1.4	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 14:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.49	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	1.8	1
Tentatively Identified Compounds						
Total TIC Compounds	13.7	J	ug/kg			1
Unknown	13.7	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/23/24 18:39
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03 Date Collected: 06/19/24 15:00

Client ID: SB-3 (6.5-7) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	0.56	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.56	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	22		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	5.3	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	11.4	J	ug/kg			1
Unknown	11.4	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/23/24 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1938620-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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	1.7	J	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

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/23/24 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1938620-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
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
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	5.8	J	ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/23/24 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1938620-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

Total TIC Compounds	12.4	J	ug/kg
Unknown	9.56	J	ug/kg
Unknown	2.79	J	ug/kg

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/23/24 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1938620-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/23/24 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1938641-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	87	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/23/24 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1938641-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	290	J	ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/23/24 18:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1938641-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/25/24 08:35
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1939675-5					
Methylene chloride	140	J	ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/25/24 08:35
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1939675-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/25/24 08:35
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1939675-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds

Total TIC Compounds	2210	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	202	NJ	ug/kg
Boric acid, trimethyl ester	1890	NJ	ug/kg
Unknown	115	J	ug/kg

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/25/24 08:35
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1939675-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1938620-3 WG1938620-4								
Methylene chloride	96		86		70-130	11		30
1,1-Dichloroethane	113		110		70-130	3		30
Chloroform	110		108		70-130	2		30
Carbon tetrachloride	106		100		70-130	6		30
1,2-Dichloropropane	106		105		70-130	1		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	111		112		70-130	1		30
Tetrachloroethene	106		101		70-130	5		30
Chlorobenzene	105		105		70-130	0		30
Trichlorofluoromethane	107		96		70-139	11		30
1,2-Dichloroethane	113		111		70-130	2		30
1,1,1-Trichloroethane	113		110		70-130	3		30
Bromodichloromethane	104		104		70-130	0		30
trans-1,3-Dichloropropene	117		116		70-130	1		30
cis-1,3-Dichloropropene	105		104		70-130	1		30
1,1-Dichloropropene	106		104		70-130	2		30
Bromoform	87		86		70-130	1		30
1,1,2,2-Tetrachloroethane	105		104		70-130	1		30
Benzene	109		106		70-130	3		30
Toluene	107		106		70-130	1		30
Ethylbenzene	111		109		70-130	2		30
Chloromethane	106		102		52-130	4		30
Bromomethane	87		81		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1938620-3 WG1938620-4								
Vinyl chloride	122		109		67-130	11		30
Chloroethane	109		97		50-151	12		30
1,1-Dichloroethene	103		92		65-135	11		30
trans-1,2-Dichloroethene	112		102		70-130	9		30
Trichloroethene	119		116		70-130	3		30
1,2-Dichlorobenzene	105		105		70-130	0		30
1,3-Dichlorobenzene	107		105		70-130	2		30
1,4-Dichlorobenzene	105		103		70-130	2		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	106		106		70-130	0		30
o-Xylene	105		104		70-130	1		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	100		100		70-130	0		30
Styrene	110		107		70-130	3		30
Dichlorodifluoromethane	114		103		30-146	10		30
Acetone	109		93		54-140	16		30
Carbon disulfide	108		94		59-130	14		30
2-Butanone	101		99		70-130	2		30
Vinyl acetate	92		88		70-130	4		30
4-Methyl-2-pentanone	108		111		70-130	3		30
1,2,3-Trichloropropane	112		114		68-130	2		30
2-Hexanone	109		110		70-130	1		30
Bromochloromethane	98		91		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1938620-3 WG1938620-4								
2,2-Dichloropropane	116		112		70-130	4		30
1,2-Dibromoethane	102		103		70-130	1		30
1,3-Dichloropropane	111		111		69-130	0		30
1,1,1,2-Tetrachloroethane	103		102		70-130	1		30
Bromobenzene	102		100		70-130	2		30
n-Butylbenzene	120		116		70-130	3		30
sec-Butylbenzene	112		110		70-130	2		30
tert-Butylbenzene	106		105		70-130	1		30
o-Chlorotoluene	118		114		70-130	3		30
p-Chlorotoluene	114		113		70-130	1		30
1,2-Dibromo-3-chloropropane	90		91		68-130	1		30
Hexachlorobutadiene	92		89		67-130	3		30
Isopropylbenzene	106		108		70-130	2		30
p-Isopropyltoluene	108		105		70-130	3		30
Naphthalene	103		101		70-130	2		30
Acrylonitrile	102		98		70-130	4		30
n-Propylbenzene	119		116		70-130	3		30
1,2,3-Trichlorobenzene	102		94		70-130	8		30
1,2,4-Trichlorobenzene	101		95		70-130	6		30
1,3,5-Trimethylbenzene	110		108		70-130	2		30
1,2,4-Trimethylbenzene	111		110		70-130	1		30
1,4-Dioxane	96		100		65-136	4		30
p-Diethylbenzene	111		107		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1938620-3 WG1938620-4								
p-Ethyltoluene	113		109		70-130	4		30
1,2,4,5-Tetramethylbenzene	108		103		70-130	5		30
Ethyl ether	102		92		67-130	10		30
trans-1,4-Dichloro-2-butene	124		126		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		110		70-130
Toluene-d8	100		102		70-130
4-Bromofluorobenzene	105		101		70-130
Dibromofluoromethane	98		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1938641-3 WG1938641-4								
Methylene chloride	96		86		70-130	11		30
1,1-Dichloroethane	113		110		70-130	3		30
Chloroform	110		108		70-130	2		30
Carbon tetrachloride	106		100		70-130	6		30
1,2-Dichloropropane	106		105		70-130	1		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	111		112		70-130	1		30
Tetrachloroethene	106		101		70-130	5		30
Chlorobenzene	105		105		70-130	0		30
Trichlorofluoromethane	107		96		70-139	11		30
1,2-Dichloroethane	113		111		70-130	2		30
1,1,1-Trichloroethane	113		110		70-130	3		30
Bromodichloromethane	104		104		70-130	0		30
trans-1,3-Dichloropropene	117		116		70-130	1		30
cis-1,3-Dichloropropene	105		104		70-130	1		30
1,1-Dichloropropene	106		104		70-130	2		30
Bromoform	87		86		70-130	1		30
1,1,2,2-Tetrachloroethane	105		104		70-130	1		30
Benzene	109		106		70-130	3		30
Toluene	107		106		70-130	1		30
Ethylbenzene	111		109		70-130	2		30
Chloromethane	106		102		52-130	4		30
Bromomethane	87		81		57-147	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1938641-3 WG1938641-4								
Vinyl chloride	122		109		67-130	11		30
Chloroethane	109		97		50-151	12		30
1,1-Dichloroethene	103		92		65-135	11		30
trans-1,2-Dichloroethene	112		102		70-130	9		30
Trichloroethene	119		116		70-130	3		30
1,2-Dichlorobenzene	105		105		70-130	0		30
1,3-Dichlorobenzene	107		105		70-130	2		30
1,4-Dichlorobenzene	105		103		70-130	2		30
Methyl tert butyl ether	89		89		66-130	0		30
p/m-Xylene	106		106		70-130	0		30
o-Xylene	105		104		70-130	1		30
cis-1,2-Dichloroethene	102		100		70-130	2		30
Dibromomethane	100		100		70-130	0		30
Styrene	110		107		70-130	3		30
Dichlorodifluoromethane	114		103		30-146	10		30
Acetone	109		93		54-140	16		30
Carbon disulfide	108		94		59-130	14		30
2-Butanone	101		99		70-130	2		30
Vinyl acetate	92		88		70-130	4		30
4-Methyl-2-pentanone	108		111		70-130	3		30
1,2,3-Trichloropropane	112		114		68-130	2		30
2-Hexanone	109		110		70-130	1		30
Bromochloromethane	98		91		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1938641-3 WG1938641-4								
2,2-Dichloropropane	116		112		70-130	4		30
1,2-Dibromoethane	102		103		70-130	1		30
1,3-Dichloropropane	111		111		69-130	0		30
1,1,1,2-Tetrachloroethane	103		102		70-130	1		30
Bromobenzene	102		100		70-130	2		30
n-Butylbenzene	120		116		70-130	3		30
sec-Butylbenzene	112		110		70-130	2		30
tert-Butylbenzene	106		105		70-130	1		30
o-Chlorotoluene	118		114		70-130	3		30
p-Chlorotoluene	114		113		70-130	1		30
1,2-Dibromo-3-chloropropane	90		91		68-130	1		30
Hexachlorobutadiene	92		89		67-130	3		30
Isopropylbenzene	106		108		70-130	2		30
p-Isopropyltoluene	108		105		70-130	3		30
Naphthalene	103		101		70-130	2		30
Acrylonitrile	102		98		70-130	4		30
n-Propylbenzene	119		116		70-130	3		30
1,2,3-Trichlorobenzene	102		94		70-130	8		30
1,2,4-Trichlorobenzene	101		95		70-130	6		30
1,3,5-Trimethylbenzene	110		108		70-130	2		30
1,2,4-Trimethylbenzene	111		110		70-130	1		30
1,4-Dioxane	96		100		65-136	4		30
p-Diethylbenzene	111		107		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1938641-3 WG1938641-4								
p-Ethyltoluene	113		109		70-130	4		30
1,2,4,5-Tetramethylbenzene	108		103		70-130	5		30
Ethyl ether	102		92		67-130	10		30
trans-1,4-Dichloro-2-butene	124		126		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		110		70-130
Toluene-d8	100		102		70-130
4-Bromofluorobenzene	105		101		70-130
Dibromofluoromethane	98		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1939675-3 WG1939675-4								
Methylene chloride	85		86		70-130	1		30
1,1-Dichloroethane	89		89		70-130	0		30
Chloroform	86		87		70-130	1		30
Carbon tetrachloride	84		85		70-130	1		30
1,2-Dichloropropane	90		92		70-130	2		30
Dibromochloromethane	86		88		70-130	2		30
1,1,2-Trichloroethane	85		86		70-130	1		30
Tetrachloroethene	82		81		70-130	1		30
Chlorobenzene	84		86		70-130	2		30
Trichlorofluoromethane	91		89		70-139	2		30
1,2-Dichloroethane	87		88		70-130	1		30
1,1,1-Trichloroethane	84		84		70-130	0		30
Bromodichloromethane	86		90		70-130	5		30
trans-1,3-Dichloropropene	88		88		70-130	0		30
cis-1,3-Dichloropropene	88		90		70-130	2		30
1,1-Dichloropropene	83		84		70-130	1		30
Bromoform	82		85		70-130	4		30
1,1,2,2-Tetrachloroethane	88		88		70-130	0		30
Benzene	89		89		70-130	0		30
Toluene	85		85		70-130	0		30
Ethylbenzene	87		88		70-130	1		30
Chloromethane	91		89		52-130	2		30
Bromomethane	76		78		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1939675-3 WG1939675-4								
Vinyl chloride	100		97		67-130	3		30
Chloroethane	91		91		50-151	0		30
1,1-Dichloroethene	82		82		65-135	0		30
trans-1,2-Dichloroethene	84		84		70-130	0		30
Trichloroethene	83		85		70-130	2		30
1,2-Dichlorobenzene	84		84		70-130	0		30
1,3-Dichlorobenzene	85		85		70-130	0		30
1,4-Dichlorobenzene	85		85		70-130	0		30
Methyl tert butyl ether	86		86		66-130	0		30
p/m-Xylene	87		88		70-130	1		30
o-Xylene	86		88		70-130	2		30
cis-1,2-Dichloroethene	82		83		70-130	1		30
Dibromomethane	88		90		70-130	2		30
Styrene	91		92		70-130	1		30
Dichlorodifluoromethane	81		79		30-146	3		30
Acetone	111		115		54-140	4		30
Carbon disulfide	78		77		59-130	1		30
2-Butanone	108		111		70-130	3		30
Vinyl acetate	104		103		70-130	1		30
4-Methyl-2-pentanone	101		100		70-130	1		30
1,2,3-Trichloropropane	87		88		68-130	1		30
2-Hexanone	110		111		70-130	1		30
Bromochloromethane	87		87		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1939675-3 WG1939675-4								
2,2-Dichloropropane	85		85		70-130	0		30
1,2-Dibromoethane	86		87		70-130	1		30
1,3-Dichloropropane	86		86		69-130	0		30
1,1,1,2-Tetrachloroethane	83		85		70-130	2		30
Bromobenzene	83		84		70-130	1		30
n-Butylbenzene	86		85		70-130	1		30
sec-Butylbenzene	84		85		70-130	1		30
tert-Butylbenzene	82		83		70-130	1		30
o-Chlorotoluene	84		84		70-130	0		30
p-Chlorotoluene	83		84		70-130	1		30
1,2-Dibromo-3-chloropropane	88		91		68-130	3		30
Hexachlorobutadiene	85		84		67-130	1		30
Isopropylbenzene	84		85		70-130	1		30
p-Isopropyltoluene	84		85		70-130	1		30
Naphthalene	92		90		70-130	2		30
Acrylonitrile	104		104		70-130	0		30
n-Propylbenzene	86		86		70-130	0		30
1,2,3-Trichlorobenzene	102		95		70-130	7		30
1,2,4-Trichlorobenzene	91		90		70-130	1		30
1,3,5-Trimethylbenzene	84		85		70-130	1		30
1,2,4-Trimethylbenzene	85		86		70-130	1		30
1,4-Dioxane	82		88		65-136	7		30
p-Diethylbenzene	85		84		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1939675-3 WG1939675-4								
p-Ethyltoluene	84		85		70-130	1		30
1,2,4,5-Tetramethylbenzene	86		86		70-130	0		30
Ethyl ether	87		86		67-130	1		30
trans-1,4-Dichloro-2-butene	101		102		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	103		104		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01
Client ID: SB-1 (7.5-8)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 10:50
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/27/24 04:06
Analyst: SZ
Percent Solids: 60%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 11:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	220	28.	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	31.	1
Hexachlorobenzene	ND		ug/kg	160	30.	1
Bis(2-chloroethyl)ether	ND		ug/kg	240	36.	1
2-Chloronaphthalene	ND		ug/kg	270	27.	1
1,2-Dichlorobenzene	ND		ug/kg	270	48.	1
1,3-Dichlorobenzene	ND		ug/kg	270	46.	1
1,4-Dichlorobenzene	ND		ug/kg	270	47.	1
3,3'-Dichlorobenzidine	ND		ug/kg	270	72.	1
2,4-Dinitrotoluene	ND		ug/kg	270	54.	1
2,6-Dinitrotoluene	ND		ug/kg	270	46.	1
Fluoranthene	ND		ug/kg	160	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	270	29.	1
4-Bromophenyl phenyl ether	ND		ug/kg	270	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	320	46.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	290	27.	1
Hexachlorobutadiene	ND		ug/kg	270	40.	1
Hexachlorocyclopentadiene	ND		ug/kg	770	240	1
Hexachloroethane	ND		ug/kg	220	44.	1
Isophorone	ND		ug/kg	240	35.	1
Naphthalene	110	J	ug/kg	270	33.	1
Nitrobenzene	ND		ug/kg	240	40.	1
NDPA/DPA	ND		ug/kg	220	31.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	270	42.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	270	93.	1
Butyl benzyl phthalate	ND		ug/kg	270	68.	1
Di-n-butylphthalate	ND		ug/kg	270	51.	1
Di-n-octylphthalate	ND		ug/kg	270	92.	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01 Date Collected: 06/19/24 10:50

Client ID: SB-1 (7.5-8) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	270	25.	1
Dimethyl phthalate	ND		ug/kg	270	57.	1
Benzo(a)anthracene	ND		ug/kg	160	30.	1
Benzo(a)pyrene	ND		ug/kg	220	66.	1
Benzo(b)fluoranthene	ND		ug/kg	160	45.	1
Benzo(k)fluoranthene	ND		ug/kg	160	43.	1
Chrysene	ND		ug/kg	160	28.	1
Acenaphthylene	ND		ug/kg	220	42.	1
Anthracene	ND		ug/kg	160	53.	1
Benzo(ghi)perylene	ND		ug/kg	220	32.	1
Fluorene	ND		ug/kg	270	26.	1
Phenanthrene	ND		ug/kg	160	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	160	31.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	220	38.	1
Pyrene	ND		ug/kg	160	27.	1
Biphenyl	ND		ug/kg	620	35.	1
4-Chloroaniline	ND		ug/kg	270	49.	1
2-Nitroaniline	ND		ug/kg	270	52.	1
3-Nitroaniline	ND		ug/kg	270	51.	1
4-Nitroaniline	ND		ug/kg	270	110	1
Dibenzofuran	ND		ug/kg	270	26.	1
2-Methylnaphthalene	130	J	ug/kg	320	33.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	270	28.	1
Acetophenone	ND		ug/kg	270	33.	1
2,4,6-Trichlorophenol	ND		ug/kg	160	51.	1
p-Chloro-m-cresol	ND		ug/kg	270	40.	1
2-Chlorophenol	ND		ug/kg	270	32.	1
2,4-Dichlorophenol	ND		ug/kg	240	43.	1
2,4-Dimethylphenol	ND		ug/kg	270	89.	1
2-Nitrophenol	ND		ug/kg	580	100	1
4-Nitrophenol	ND		ug/kg	380	110	1
2,4-Dinitrophenol	ND		ug/kg	1300	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	700	130	1
Pentachlorophenol	ND		ug/kg	220	59.	1
Phenol	ND		ug/kg	270	41.	1
2-Methylphenol	ND		ug/kg	270	42.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	390	42.	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01 Date Collected: 06/19/24 10:50

Client ID: SB-1 (7.5-8) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	270	52.	1
Benzoic Acid	ND		ug/kg	870	270	1
Benzyl Alcohol	ND		ug/kg	270	82.	1
Carbazole	ND		ug/kg	270	26.	1
1,4-Dioxane	ND		ug/kg	40	12.	1
Tentatively Identified Compounds						
Total TIC Compounds	2740	J	ug/kg			1
Tetrachloroethene	511	NJ	ug/kg			1
Sulfur	370	NJ	ug/kg			1
Cyclic Octaatomic Sulfur	1860	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	58		18-120

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01
Client ID: SB-1 (7.5-8)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 10:50
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 07/02/24 10:19
Analyst: AC
Percent Solids: 60%

Extraction Method: EPA 1633
Extraction Date: 07/01/24 13:45
Cleanup Method: EPA 1633
Cleanup Date: 07/02/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.797	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.399	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.046	1
Perfluoroheptanoic Acid (PFHpA)	0.050	J	ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	0.174	J	ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.797	0.279	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.587		ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.797	0.386	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
PFOA/PFOS, Total	0.761	J	ng/g	0.199	0.052	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01 Date Collected: 06/19/24 10:50

Client ID: SB-1 (7.5-8) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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)	72		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	72		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	74		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	74		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	62		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	73		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	98		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	90		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	69		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	99		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	111		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	66		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	60		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	68		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	59		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	43		15-109

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 14:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/27/24 02:54
Analyst: SZ
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 11:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02 Date Collected: 06/19/24 14:00

Client ID: SB-2 (7-7.5) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	25.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 14:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1
Tentatively Identified Compounds						
Total TIC Compounds	667	J	ug/kg			1
Unknown	667	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	50		18-120

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 14:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 07/02/24 10:32
Analyst: AC
Percent Solids: 86%

Extraction Method: EPA 1633
Extraction Date: 07/01/24 13:45
Cleanup Method: EPA 1633
Cleanup Date: 07/02/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.799	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	0.207		ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.799	0.280	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.799	0.387	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106	1
PFOA/PFOS, Total	0.207		ng/g	0.200	0.052	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02 Date Collected: 06/19/24 14:00

Client ID: SB-2 (7-7.5) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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)	66		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	69		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	73		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	74		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	58		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	70		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	95		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	81		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	72		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	64		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	76		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	**157**	Q	10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	67		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	49		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	59		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	54		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41		15-109

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/27/24 03:18
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 11:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03 Date Collected: 06/19/24 15:00

Client ID: SB-3 (6.5-7) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1
Tentatively Identified Compounds						
Total TIC Compounds	265	J	ug/kg			1
Unknown	265	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	58		18-120

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 07/02/24 10:45
Analyst: AC
Percent Solids: 83%

Extraction Method: EPA 1633
Extraction Date: 07/01/24 13:45
Cleanup Method: EPA 1633
Cleanup Date: 07/02/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.801	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.801	0.280	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.801	0.388	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106	1
PFOA/PFOS, Total	ND		ng/g	0.200	0.052	1

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03 Date Collected: 06/19/24 15:00

Client ID: SB-3 (6.5-7) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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)	68		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	69		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	74		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	69		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	60		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	72		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	67		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	**175**	Q	10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	61		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	65		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	49		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	37		15-109

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/27/24 00:04
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/26/24 11:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1939682-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
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.

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/27/24 00:04
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/26/24 11:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1939682-1					
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.
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.

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/27/24 00:04
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/26/24 11:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1939682-1					
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.
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.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	58		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	43		10-136
4-Terphenyl-d14	62		18-120

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/02/24 07:57
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 07/01/24 13:45
Cleanup Method: EPA 1633
Cleanup Date: 07/02/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1941733-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
PFOA/PFOS, Total	ND		ng/g	0.200	0.052

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/02/24 07:57
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 07/01/24 13:45
Cleanup Method: EPA 1633
Cleanup Date: 07/02/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1941733-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	79		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	63		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	107		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	92		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	69		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	77		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	**211**	Q	10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	64		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	54		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	30		15-109

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1939682-2 WG1939682-3								
Acenaphthene	82		71		31-137	14		50
1,2,4-Trichlorobenzene	85		73		38-107	15		50
Hexachlorobenzene	74		63		40-140	16		50
Bis(2-chloroethyl)ether	80		68		40-140	16		50
2-Chloronaphthalene	88		74		40-140	17		50
1,2-Dichlorobenzene	78		66		40-140	17		50
1,3-Dichlorobenzene	72		64		40-140	12		50
1,4-Dichlorobenzene	74		65		28-104	13		50
3,3'-Dichlorobenzidine	80		68		40-140	16		50
2,4-Dinitrotoluene	92		80		40-132	14		50
2,6-Dinitrotoluene	92		77		40-140	18		50
Fluoranthene	92		80		40-140	14		50
4-Chlorophenyl phenyl ether	92		79		40-140	15		50
4-Bromophenyl phenyl ether	85		75		40-140	13		50
Bis(2-chloroisopropyl)ether	122		105		40-140	15		50
Bis(2-chloroethoxy)methane	86		75		40-117	14		50
Hexachlorobutadiene	98		83		40-140	17		50
Hexachlorocyclopentadiene	69		58		40-140	17		50
Hexachloroethane	81		70		40-140	15		50
Isophorone	89		77		40-140	14		50
Naphthalene	80		68		40-140	16		50
Nitrobenzene	92		79		40-140	15		50
NDPA/DPA	86		74		36-157	15		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1939682-2 WG1939682-3								
n-Nitrosodi-n-propylamine	93		79		32-121	16		50
Bis(2-ethylhexyl)phthalate	75		66		40-140	13		50
Butyl benzyl phthalate	89		77		40-140	14		50
Di-n-butylphthalate	97		84		40-140	14		50
Di-n-octylphthalate	76		67		40-140	13		50
Diethyl phthalate	88		77		40-140	13		50
Dimethyl phthalate	93		79		40-140	16		50
Benzo(a)anthracene	88		77		40-140	13		50
Benzo(a)pyrene	79		69		40-140	14		50
Benzo(b)fluoranthene	76		68		40-140	11		50
Benzo(k)fluoranthene	77		65		40-140	17		50
Chrysene	82		72		40-140	13		50
Acenaphthylene	90		76		40-140	17		50
Anthracene	87		75		40-140	15		50
Benzo(ghi)perylene	87		76		40-140	13		50
Fluorene	87		74		40-140	16		50
Phenanthrene	83		73		40-140	13		50
Dibenzo(a,h)anthracene	88		77		40-140	13		50
Indeno(1,2,3-cd)pyrene	86		75		40-140	14		50
Pyrene	91		79		35-142	14		50
Biphenyl	82		68		37-127	19		50
4-Chloroaniline	81		66		40-140	20		50
2-Nitroaniline	88		74		47-134	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1939682-2 WG1939682-3								
3-Nitroaniline	72		60		26-129	18		50
4-Nitroaniline	83		73		41-125	13		50
Dibenzofuran	84		73		40-140	14		50
2-Methylnaphthalene	87		73		40-140	18		50
1,2,4,5-Tetrachlorobenzene	87		73		40-117	18		50
Acetophenone	85		71		14-144	18		50
2,4,6-Trichlorophenol	98		81		30-130	19		50
p-Chloro-m-cresol	98		83		26-103	17		50
2-Chlorophenol	82		69		25-102	17		50
2,4-Dichlorophenol	93		78		30-130	18		50
2,4-Dimethylphenol	85		72		30-130	17		50
2-Nitrophenol	82		70		30-130	16		50
4-Nitrophenol	108		92		11-114	16		50
2,4-Dinitrophenol	78		70		4-130	11		50
4,6-Dinitro-o-cresol	85		74		10-130	14		50
Pentachlorophenol	76		65		17-109	16		50
Phenol	88		74		26-90	17		50
2-Methylphenol	90		75		30-130.	18		50
3-Methylphenol/4-Methylphenol	87		74		30-130	16		50
2,4,5-Trichlorophenol	99		83		30-130	18		50
Benzoic Acid	84		74		10-110	13		50
Benzyl Alcohol	97		82		40-140	17		50
Carbazole	84		73		54-128	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1939682-2 WG1939682-3								
1,4-Dioxane	47		43		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		69		25-120
Phenol-d6	87		74		10-120
Nitrobenzene-d5	87		75		23-120
2-Fluorobiphenyl	87		72		30-120
2,4,6-Tribromophenol	65		56		10-136
4-Terphenyl-d14	82		70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

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): 01-03 Batch: WG1941733-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	111		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	121		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	115		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	102		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	134		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	114		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	94		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	113		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	127		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	119		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	121		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	101		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	91		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	110		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	93		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	126		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	147		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	138		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

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): 01-03 Batch: WG1941733-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	75				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	78				48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	64				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	73				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	105				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	87				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	70				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	69				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	147				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	63				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	61				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	59				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	49				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	30				15-109

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1941733-3								
Perfluorobutanoic Acid (PFBA)	100		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	103		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	110		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	98		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	83		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	105		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	97		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	106		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	97		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	88		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	115		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	95		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	106		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	137		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	124		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1941733-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	75				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	77				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84				48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	68				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	104				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	93				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	78				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	77				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	76				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	149				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	68				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	65				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	69				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	59				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	36				15-109

PCBS

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01
Client ID: SB-1 (7.5-8)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 10:50
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/27/24 01:18
Analyst: MEO
Percent Solids: 60%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 09:51
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	78.1	6.93	1	A
Aroclor 1221	ND		ug/kg	78.1	7.82	1	A
Aroclor 1232	ND		ug/kg	78.1	16.6	1	A
Aroclor 1242	ND		ug/kg	78.1	10.5	1	A
Aroclor 1248	ND		ug/kg	78.1	11.7	1	A
Aroclor 1254	ND		ug/kg	78.1	8.54	1	A
Aroclor 1260	ND		ug/kg	78.1	14.4	1	A
Aroclor 1262	ND		ug/kg	78.1	9.91	1	A
Aroclor 1268	ND		ug/kg	78.1	8.09	1	A
PCBs, Total	ND		ug/kg	78.1	6.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 14:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/27/24 01:26
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 09:51
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.0	4.70	1	A
Aroclor 1221	ND		ug/kg	53.0	5.31	1	A
Aroclor 1232	ND		ug/kg	53.0	11.2	1	A
Aroclor 1242	ND		ug/kg	53.0	7.14	1	A
Aroclor 1248	ND		ug/kg	53.0	7.94	1	A
Aroclor 1254	ND		ug/kg	53.0	5.79	1	A
Aroclor 1260	ND		ug/kg	53.0	9.79	1	A
Aroclor 1262	ND		ug/kg	53.0	6.72	1	A
Aroclor 1268	ND		ug/kg	53.0	5.49	1	A
PCBs, Total	ND		ug/kg	53.0	4.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/27/24 01:33
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 09:51
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.9	5.23	1	A
Aroclor 1221	ND		ug/kg	58.9	5.90	1	A
Aroclor 1232	ND		ug/kg	58.9	12.5	1	A
Aroclor 1242	ND		ug/kg	58.9	7.94	1	A
Aroclor 1248	ND		ug/kg	58.9	8.83	1	A
Aroclor 1254	ND		ug/kg	58.9	6.44	1	A
Aroclor 1260	ND		ug/kg	58.9	10.9	1	A
Aroclor 1262	ND		ug/kg	58.9	7.48	1	A
Aroclor 1268	ND		ug/kg	58.9	6.10	1	A
PCBs, Total	ND		ug/kg	58.9	5.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/26/24 07:45
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 06/25/24 12:33
Cleanup Method: EPA 3665A
Cleanup Date: 06/25/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1939106-1						
Aroclor 1016	ND		ug/kg	47.9	4.25	A
Aroclor 1221	ND		ug/kg	47.9	4.80	A
Aroclor 1232	ND		ug/kg	47.9	10.2	A
Aroclor 1242	ND		ug/kg	47.9	6.46	A
Aroclor 1248	ND		ug/kg	47.9	7.18	A
Aroclor 1254	ND		ug/kg	47.9	5.24	A
Aroclor 1260	ND		ug/kg	47.9	8.85	A
Aroclor 1262	ND		ug/kg	47.9	6.08	A
Aroclor 1268	ND		ug/kg	47.9	4.96	A
PCBs, Total	ND		ug/kg	47.9	4.25	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1939106-2 WG1939106-3									
Aroclor 1016	72		73		40-140	1		50	A
Aroclor 1260	62		64		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		81		30-150	A
Decachlorobiphenyl	83		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		83		30-150	B
Decachlorobiphenyl	92		92		30-150	B

PESTICIDES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01
Client ID: SB-1 (7.5-8)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 10:50
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/27/24 15:01
Analyst: SID
Percent Solids: 60%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 08:05
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.58	0.505	1	A
Lindane	ND		ug/kg	1.08	0.481	1	A
Alpha-BHC	ND		ug/kg	1.08	0.305	1	A
Beta-BHC	ND		ug/kg	2.58	0.979	1	A
Heptachlor	ND		ug/kg	1.29	0.578	1	A
Aldrin	ND		ug/kg	2.58	0.909	1	A
Heptachlor epoxide	ND		ug/kg	4.84	1.45	1	A
Endrin	ND		ug/kg	1.08	0.441	1	A
Endrin aldehyde	ND		ug/kg	3.23	1.13	1	A
Endrin ketone	ND		ug/kg	2.58	0.664	1	A
Dieldrin	ND		ug/kg	1.61	0.806	1	A
4,4'-DDE	ND		ug/kg	2.58	0.597	1	A
4,4'-DDD	2.74	IP	ug/kg	2.58	0.920	1	A
4,4'-DDT	ND		ug/kg	2.58	2.08	1	A
Endosulfan I	ND		ug/kg	2.58	0.610	1	A
Endosulfan II	ND		ug/kg	2.58	0.862	1	A
Endosulfan sulfate	ND		ug/kg	1.08	0.512	1	A
Methoxychlor	ND		ug/kg	4.84	1.50	1	A
Toxaphene	ND		ug/kg	48.4	13.5	1	A
cis-Chlordane	ND		ug/kg	3.23	0.899	1	A
trans-Chlordane	ND		ug/kg	3.23	0.852	1	A
Chlordane	ND		ug/kg	21.5	8.55	1	A

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01 Date Collected: 06/19/24 10:50

Client ID: SB-1 (7.5-8) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	31		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 14:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/27/24 15:13
Analyst: SID
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 08:05
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.359	1	B
Lindane	ND		ug/kg	0.764	0.342	1	B
Alpha-BHC	ND		ug/kg	0.764	0.217	1	B
Beta-BHC	ND		ug/kg	1.83	0.696	1	B
Heptachlor	ND		ug/kg	0.917	0.411	1	B
Aldrin	ND		ug/kg	1.83	0.646	1	B
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	B
Endrin	ND		ug/kg	0.764	0.313	1	B
Endrin aldehyde	ND		ug/kg	2.29	0.802	1	B
Endrin ketone	ND		ug/kg	1.83	0.472	1	B
Dieldrin	ND		ug/kg	1.15	0.573	1	B
4,4'-DDE	ND		ug/kg	1.83	0.424	1	B
4,4'-DDD	ND		ug/kg	1.83	0.654	1	B
4,4'-DDT	ND		ug/kg	1.83	1.48	1	B
Endosulfan I	ND		ug/kg	1.83	0.433	1	B
Endosulfan II	ND		ug/kg	1.83	0.613	1	B
Endosulfan sulfate	ND		ug/kg	0.764	0.364	1	B
Methoxychlor	ND		ug/kg	3.44	1.07	1	B
Toxaphene	ND		ug/kg	34.4	9.63	1	B
cis-Chlordane	ND		ug/kg	2.29	0.639	1	B
trans-Chlordane	ND		ug/kg	2.29	0.605	1	B
Chlordane	ND		ug/kg	15.3	6.08	1	B

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02 Date Collected: 06/19/24 14:00

Client ID: SB-2 (7-7.5) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	**18**	Q	30-150	A
Decachlorobiphenyl	**17**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/27/24 15:25
Analyst: SID
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/26/24 08:05
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	B
Lindane	ND		ug/kg	0.757	0.338	1	B
Alpha-BHC	ND		ug/kg	0.757	0.215	1	B
Beta-BHC	ND		ug/kg	1.82	0.689	1	B
Heptachlor	ND		ug/kg	0.908	0.407	1	B
Aldrin	ND		ug/kg	1.82	0.640	1	B
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	B
Endrin	ND		ug/kg	0.757	0.310	1	B
Endrin aldehyde	ND		ug/kg	2.27	0.795	1	B
Endrin ketone	ND		ug/kg	1.82	0.468	1	B
Dieldrin	ND		ug/kg	1.14	0.568	1	B
4,4'-DDE	ND		ug/kg	1.82	0.420	1	B
4,4'-DDD	ND		ug/kg	1.82	0.648	1	B
4,4'-DDT	ND		ug/kg	1.82	1.46	1	B
Endosulfan I	ND		ug/kg	1.82	0.429	1	B
Endosulfan II	ND		ug/kg	1.82	0.607	1	B
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	B
Methoxychlor	ND		ug/kg	3.40	1.06	1	B
Toxaphene	ND		ug/kg	34.0	9.54	1	B
cis-Chlordane	ND		ug/kg	2.27	0.633	1	B
trans-Chlordane	ND		ug/kg	2.27	0.599	1	B
Chlordane	ND		ug/kg	15.1	6.02	1	B

Project Name: Not Specified **Lab Number:** L2434670

Project Number: 13542 **Report Date:** 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03 Date Collected: 06/19/24 15:00

Client ID: SB-3 (6.5-7) Date Received: 06/19/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	**10**	Q	30-150	A
Decachlorobiphenyl	**10**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/27/24 11:50
Analyst: PEG

Extraction Method: EPA 3546
Extraction Date: 06/26/24 04:42
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1939404-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.629	0.281	A
Alpha-BHC	ND		ug/kg	0.629	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.572	A
Heptachlor	ND		ug/kg	0.755	0.338	A
Aldrin	ND		ug/kg	1.51	0.531	A
Heptachlor epoxide	ND		ug/kg	2.83	0.849	A
Endrin	ND		ug/kg	0.629	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.660	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.943	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.349	A
4,4'-DDD	ND		ug/kg	1.51	0.538	A
4,4'-DDT	ND		ug/kg	1.51	1.21	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.504	A
Endosulfan sulfate	ND		ug/kg	0.629	0.299	A
Methoxychlor	ND		ug/kg	2.83	0.880	A
Toxaphene	ND		ug/kg	28.3	7.92	A
cis-Chlordane	ND		ug/kg	1.89	0.526	A
trans-Chlordane	ND		ug/kg	1.89	0.498	A
Chlordane	ND		ug/kg	12.6	5.00	A

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/27/24 11:50
Analyst: PEG

Extraction Method: EPA 3546
Extraction Date: 06/26/24 04:42
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1939404-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1939404-2 WG1939404-3									
Delta-BHC	94		102		30-150	8		30	A
Lindane	90		100		30-150	11		30	A
Alpha-BHC	90		100		30-150	11		30	A
Beta-BHC	92		101		30-150	9		30	A
Heptachlor	90		99		30-150	10		30	A
Aldrin	88		98		30-150	11		30	A
Heptachlor epoxide	81		92		30-150	13		30	A
Endrin	95		108		30-150	13		30	A
Endrin aldehyde	84		97		30-150	14		30	A
Endrin ketone	97		111		30-150	13		30	A
Dieldrin	97		110		30-150	13		30	A
4,4'-DDE	92		104		30-150	12		30	A
4,4'-DDD	98		113		30-150	14		30	A
4,4'-DDT	95		110		30-150	15		30	A
Endosulfan I	88		100		30-150	13		30	A
Endosulfan II	93		106		30-150	13		30	A
Endosulfan sulfate	89		102		30-150	14		30	A
Methoxychlor	107		124		30-150	15		30	A
cis-Chlordane	82		93		30-150	13		30	A
trans-Chlordane	79		89		30-150	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1939404-2 WG1939404-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		77		30-150	A
Decachlorobiphenyl	63		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		86		30-150	B
Decachlorobiphenyl	86		90		30-150	B

METALS

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01
Client ID: SB-1 (7.5-8)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 10:50
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9740		mg/kg	13.0	3.52	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	6.52	0.496	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.63		mg/kg	1.30	0.271	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Barium, Total	110		mg/kg	1.30	0.227	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.568	J	mg/kg	0.652	0.043	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	1.30	0.128	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Calcium, Total	1810		mg/kg	13.0	4.56	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Chromium, Total	20.8		mg/kg	1.30	0.125	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Cobalt, Total	6.33		mg/kg	2.61	0.216	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Copper, Total	7.60		mg/kg	1.30	0.336	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Iron, Total	9870		mg/kg	6.52	1.18	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Lead, Total	14.0		mg/kg	6.52	0.350	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Magnesium, Total	1590		mg/kg	13.0	2.01	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Manganese, Total	205		mg/kg	1.30	0.207	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.112	0.073	1	06/25/24 15:51	06/25/24 21:20	EPA 7471B	1,7471B	MJR
Nickel, Total	10.2		mg/kg	3.26	0.316	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Potassium, Total	771		mg/kg	326	18.8	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Selenium, Total	0.445	J	mg/kg	2.61	0.336	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.652	0.369	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Sodium, Total	157	J	mg/kg	261	4.11	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	2.61	0.411	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Vanadium, Total	29.4		mg/kg	1.30	0.265	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF
Zinc, Total	26.7		mg/kg	6.52	0.382	2	06/25/24 15:30	06/26/24 11:04	EPA 3050B	1,6010D	JMF

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 14:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4320		mg/kg	9.12	2.46	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.56	0.347	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.46		mg/kg	0.912	0.190	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Barium, Total	59.9		mg/kg	0.912	0.159	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.344	J	mg/kg	0.456	0.030	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.912	0.089	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Calcium, Total	901		mg/kg	9.12	3.19	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Chromium, Total	13.6		mg/kg	0.912	0.088	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Cobalt, Total	5.64		mg/kg	1.82	0.151	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Copper, Total	4.73		mg/kg	0.912	0.235	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Iron, Total	8210		mg/kg	4.56	0.824	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Lead, Total	10.6		mg/kg	4.56	0.244	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Magnesium, Total	912		mg/kg	9.12	1.40	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Manganese, Total	85.1		mg/kg	0.912	0.145	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.089	0.058	1	06/25/24 15:51	06/25/24 21:23	EPA 7471B	1,7471B	MJR
Nickel, Total	6.03		mg/kg	2.28	0.221	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Potassium, Total	405		mg/kg	228	13.1	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.82	0.235	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.456	0.258	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Sodium, Total	58.0	J	mg/kg	182	2.87	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.82	0.287	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Vanadium, Total	21.7		mg/kg	0.912	0.185	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF
Zinc, Total	13.2		mg/kg	4.56	0.267	2	06/25/24 15:30	06/26/24 11:08	EPA 3050B	1,6010D	JMF

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5200		mg/kg	9.36	2.53	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.68	0.356	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.96		mg/kg	0.936	0.195	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Barium, Total	52.1		mg/kg	0.936	0.163	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.323	J	mg/kg	0.468	0.031	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.936	0.092	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Calcium, Total	822		mg/kg	9.36	3.28	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Chromium, Total	10.9		mg/kg	0.936	0.090	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Cobalt, Total	4.87		mg/kg	1.87	0.155	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Copper, Total	8.01		mg/kg	0.936	0.242	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Iron, Total	12500		mg/kg	4.68	0.846	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Lead, Total	13.3		mg/kg	4.68	0.251	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Magnesium, Total	1360		mg/kg	9.36	1.44	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Manganese, Total	281		mg/kg	0.936	0.149	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.084	0.055	1	06/25/24 15:51	06/25/24 21:27	EPA 7471B	1,7471B	MJR
Nickel, Total	6.78		mg/kg	2.34	0.227	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Potassium, Total	948		mg/kg	234	13.5	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.87	0.242	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.468	0.265	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Sodium, Total	107	J	mg/kg	187	2.95	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.87	0.295	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Vanadium, Total	17.5		mg/kg	0.936	0.190	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF
Zinc, Total	18.1		mg/kg	4.68	0.274	2	06/25/24 15:30	06/26/24 12:43	EPA 3050B	1,6010D	JMF

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1939050-1										
Aluminum, Total	1.88	J	mg/kg	4.00	1.08	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Calcium, Total	2.16	J	mg/kg	4.00	1.40	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Chromium, Total	0.049	J	mg/kg	0.400	0.038	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Iron, Total	2.02		mg/kg	2.00	0.361	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Magnesium, Total	0.702	J	mg/kg	4.00	0.616	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/25/24 15:30	06/26/24 09:40	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/25/24 15:30	06/26/24 09:40	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): 01-03 Batch: WG1939051-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/25/24 15:51	06/25/24 20:37	1,7471B	MJR

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1939050-2								
Aluminum, Total	107		-		80-120	-		
Antimony, Total	107		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	106		-		80-120	-		
Beryllium, Total	107		-		80-120	-		
Cadmium, Total	102		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	102		-		80-120	-		
Cobalt, Total	104		-		80-120	-		
Copper, Total	104		-		80-120	-		
Iron, Total	107		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	101		-		80-120	-		
Manganese, Total	103		-		80-120	-		
Nickel, Total	102		-		80-120	-		
Potassium, Total	106		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	104		-		80-120	-		
Sodium, Total	105		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1939050-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1939051-2					
Mercury, Total	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1939050-3 WG1939050-4 QC Sample: L2434651-05 Client ID: MS Sample												
Aluminum, Total	8800	171	7950	**0**	Q	9920	**649**	Q	75-125	**22**	Q	20
Antimony, Total	0.986J	42.8	37.9	88		37.6	87		75-125	1		20
Arsenic, Total	10.0	10.3	18.6	84		21.3	109		75-125	14		20
Barium, Total	44.0	171	198	90		214	98		75-125	8		20
Beryllium, Total	0.393J	4.28	4.38	102		4.56	106		75-125	4		20
Cadmium, Total	0.614J	4.53	4.45	98		4.64	101		75-125	4		20
Calcium, Total	26900	856	14100	**0**	Q	17000	**0**	Q	75-125	19		20
Chromium, Total	14.0	17.1	26.9	75		31.0	98		75-125	14		20
Cobalt, Total	7.85	42.8	43.7	84		45.1	86		75-125	3		20
Copper, Total	47.7	21.4	63.5	**74**	Q	72.1	113		75-125	13		20
Iron, Total	23000	85.6	20600	**0**	Q	24900	**2200**	Q	75-125	19		20
Lead, Total	13.2	45.3	53.0	88		55.8	93		75-125	5		20
Magnesium, Total	6240	856	5160	**0**	Q	5530	**0**	Q	75-125	7		20
Manganese, Total	546	42.8	505	**0**	Q	661	**266**	Q	75-125	**27**	Q	20
Nickel, Total	23.4	42.8	56.8	78		60.7	86		75-125	7		20
Potassium, Total	688	856	1390	82		1550	100		75-125	11		20
Selenium, Total	ND	10.3	9.72	95		9.81	95		75-125	1		20
Silver, Total	ND	4.28	4.10	96		4.18	97		75-125	2		20
Sodium, Total	139J	856	910	106		967	112		75-125	6		20
Thallium, Total	ND	10.3	9.33	91		9.12	88		75-125	2		20
Vanadium, Total	14.6	42.8	50.9	85		54.1	92		75-125	6		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1939050-3 WG1939050-4 QC Sample: L2434651-05 Client ID: MS Sample											
Zinc, Total	100	42.8	122	**51**	Q	151	118	75-125	**21**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1939051-3 WG1939051-4 QC Sample: L2434651-05 Client ID: MS Sample											
Mercury, Total	0.650	1.46	1.85	82		2.07	88	80-120	11		20

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-01
Client ID: SB-1 (7.5-8)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 10:50
Date Received: 06/19/24
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	59.8		%	0.100	NA	1	-	06/21/24 10:44	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.6	0.33	1	06/26/24 15:40	06/26/24 18:47	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	1.34	0.268	1	06/25/24 13:40	06/26/24 16:13	1,7196A	LOF

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-02
Client ID: SB-2 (7-7.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/19/24 14:00
Date Received: 06/19/24
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	86.3		%	0.100	NA	1	-	06/21/24 10:44	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	06/26/24 15:40	06/26/24 18:48	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.927	0.185	1	06/25/24 13:40	06/26/24 16:13	1,7196A	LOF

Project Name: Not Specified
Project Number: 13542
Lab Number: L2434670
Report Date: 07/03/24

SAMPLE RESULTS

Lab ID: L2434670-03
Client ID: SB-3 (6.5-7)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/19/24 15:00
Date Received: 06/19/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	06/21/24 10:44	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	06/26/24 15:40	06/26/24 18:49	1,9010C/9012B	JER
Chromium, Hexavalent	ND		mg/kg	0.963	0.192	1	06/25/24 13:40	06/26/24 16:13	1,7196A	LOF

Project Name:

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

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): 01-03 Batch: WG1939018-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	06/25/24 13:40	06/26/24 16:13	1,7196A	LOF
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1939764-1										
Cyanide, Total	ND		mg/kg	0.90	0.19	1	06/26/24 15:40	06/26/24 18:32	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1939018-2								
Chromium, Hexavalent	**75**	Q	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1939764-2 WG1939764-3								
Cyanide, Total	101		83		80-120	20		35

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

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): 01-03 QC Batch ID: WG1939018-4 QC Sample: L2434670-01 Client ID: SB-1 (7.5-8)												
Chromium, Hexavalent	ND	2020	ND	**0**	Q	-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1939764-4 WG1939764-5 QC Sample: L2434651-05 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100		10	100		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2434670

Report Date: 07/03/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1937464-1 QC Sample: L2434097-15 Client ID: DUP Sample						
Solids, Total	66.8	65.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1939018-6 QC Sample: L2434670-01 Client ID: SB-1 (7.5-8)						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2434670-01A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-01B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-01C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-01D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2434670-01E	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2434670-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2434670-01G	Glass 120ml/4oz unpreserved	A	NA		4.7	Y	Absent		HEXCR-7196(30)
L2434670-01H	Plastic 8oz unpreserved	A	NA		4.7	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2434670-01I	Glass 250ml/8oz unpreserved	A	NA		4.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2434670-01X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-01Y	Vial Water preserved split	A	NA		4.7	Y	Absent	21-JUN-24 07:31	NYTCL-8260HLW(14)
L2434670-01Z	Vial Water preserved split	A	NA		4.7	Y	Absent	21-JUN-24 07:31	NYTCL-8260HLW(14)
L2434670-02A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-02B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-02C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-02D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2434670-02E	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2434670-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2434670-02G	Glass 120ml/4oz unpreserved	A	NA		4.7	Y	Absent		HEXCR-7196(30)
L2434670-02H	Plastic 8oz unpreserved	A	NA		4.7	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2434670-02I	Glass 250ml/8oz unpreserved	A	NA		4.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2434670-02X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-02Y	Vial Water preserved split	A	NA		4.7	Y	Absent	21-JUN-24 07:31	NYTCL-8260HLW(14)
L2434670-02Z	Vial Water preserved split	A	NA		4.7	Y	Absent	21-JUN-24 07:31	NYTCL-8260HLW(14)
L2434670-03A	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-03B	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-03C	5 gram Encore Sampler	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-03D	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2434670-03E	Plastic 2oz unpreserved for TS	A	NA		4.7	Y	Absent		TS(7)
L2434670-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2434670-03G	Glass 120ml/4oz unpreserved	A	NA		4.7	Y	Absent		HEXCR-7196(30)
L2434670-03H	Plastic 8oz unpreserved	A	NA		4.7	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2434670-03I	Glass 250ml/8oz unpreserved	A	NA		4.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2434670-03X	Vial MeOH preserved split	A	NA		4.7	Y	Absent		NYTCL-8260HLW(14)
L2434670-03Y	Vial Water preserved split	A	NA		4.7	Y	Absent	21-JUN-24 07:31	NYTCL-8260HLW(14)
L2434670-03Z	Vial Water preserved split	A	NA		4.7	Y	Absent	21-JUN-24 07:31	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

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: Not Specified
Project Number: 13542

Lab Number: L2434670
Report Date: 07/03/24

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:	Not Specified	**Lab Number:**	L2434670
Project Number:	13542	**Report Date:**	07/03/24

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:	Not Specified	**Lab Number:**	L2434670
Project Number:	13542	**Report Date:**	07/03/24

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:	Not Specified	**Lab Number:**	L2434670
Project Number:	13542	**Report Date:**	07/03/24

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:	Not Specified	**Lab Number:**	L2434670
Project Number:	13542	**Report Date:**	07/03/24

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

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

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

Certification Information

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

Westborough Facility
EPA 624.1: 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
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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FAX: 508-822-3288

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

Page 1 of 1

Date Rec'd in Lab: 06/20/24

ALPHA Job #: L2434670

Project Information
Project Name: ✓
Project Location: 38 Gramercy Park E, New York NY
Project #: 13542
(Use Project name as Project #) ☐
Project Manager: James vandervliet
ALPHAQuote #:

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

Client Information
Client: SESI
Address: 959 Route 46E Parsippany, NJ
Phone: 973 808 9050
Fax:
Email: James.vandervliet@sesi.org / JH @sesi.org

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (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:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs/SVOCs	PCBs	Pesticides	TAL metals	Cyanide	Hex chrome	PFAS (NY-21)	1,4 Dioxane	Sample Specific Comments	Total Bottles
34670-01	SB-1	6/19/24	1050	S	GW	X	X	X	X	X	X	X	X		9
-02	SB-2	↓	1400	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓
-03	SB-3	↓	1500	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓

Container Type:
Preservative:

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/19/24	WIFI (Pace)	6/19/24 15:58
WIFI (Pace)	6/19/24 18:59	[signature]	6/19/24 19:00
[signature]	6/19/24	[signature]	6/19/24 2330
[signature]	6/20 2000	[signature]	6/20/24 0200

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

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

ANALYTICAL REPORT

Lab Number:	L2435396
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	James Vander Vliet
Phone:	(973) 808-9050
Project Name:	38 GRAMERCY PARK E, NY
Project Number:	13542
Report Date:	07/01/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542

Lab Number: L2435396
Report Date: 07/01/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2435396-01	SV-1	SOIL_VAPOR	38 GRAMERCY PARK E, NY	06/20/24 14:52	06/21/24
L2435396-02	SV-2	SOIL_VAPOR	38 GRAMERCY PARK E, NY	06/20/24 14:53	06/21/24
L2435396-03	SV-3	SOIL_VAPOR	38 GRAMERCY PARK E, NY	06/21/24 15:59	06/21/24

Project Name:	38 GRAMERCY PARK E, NY	**Lab Number:**	L2435396
Project Number:	13542	**Report Date:**	07/01/24

Case Narrative

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

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

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

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

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

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

Project Name:	38 GRAMERCY PARK E, NY	**Lab Number:**	L2435396
Project Number:	13542	**Report Date:**	07/01/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 18, 2024. The canister certification data is provided as an addendum.

L2435396-01D: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2435396-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

WG1940476-3:The quality control sample [LCS], associated with WG1940476-3, did not meet the acceptance criteria for the [full scan] analysis. The associated compound for those samples were reported from the [SIM] analysis.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 07/01/24

AIR

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-01 D
Client ID: SV-1
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:52
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/28/24 01:36
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	455	--	ND	2250	--		2273
Chloromethane	ND	455.	--	ND	940	--		2273
Freon-114	ND	455.	--	ND	3180	--		2273
Vinyl chloride	893	455	--	2280	1160	--		2273
1,3-Butadiene	ND	455.	--	ND	1010	--		2273
Bromomethane	ND	455.	--	ND	1770	--		2273
Chloroethane	ND	455.	--	ND	1200	--		2273
Ethanol	ND	11400	--	ND	21500	--		2273
Vinyl bromide	ND	455.	--	ND	1990	--		2273
Acetone	ND	2270	--	ND	5390	--		2273
Trichlorofluoromethane	ND	455.	--	ND	2560	--		2273
Isopropanol	ND	1140	--	ND	2800	--		2273
1,1-Dichloroethene	ND	455	--	ND	1800	--		2273
Tertiary butyl Alcohol	ND	1140	--	ND	3460	--		2273
Methylene chloride	ND	1140	--	ND	3960	--		2273
3-Chloropropene	ND	455.	--	ND	1420	--		2273
Carbon disulfide	ND	455.	--	ND	1420	--		2273
Freon-113	ND	455.	--	ND	3490	--		2273
trans-1,2-Dichloroethene	977	455	--	3870	1800	--		2273
1,1-Dichloroethane	ND	455.	--	ND	1840	--		2273
Methyl tert butyl ether	ND	455.	--	ND	1640	--		2273
2-Butanone	ND	1140	--	ND	3360	--		2273
cis-1,2-Dichloroethene	115000	455	--	456000	1800	--		2273

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-01 D
Client ID: SV-1
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:52
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1140	--	ND	4110	--		2273
Chloroform	ND	455.	--	ND	2220	--		2273
Tetrahydrofuran	ND	1140	--	ND	3360	--		2273
1,2-Dichloroethane	ND	455.	--	ND	1840	--		2273
n-Hexane	ND	455.	--	ND	1600	--		2273
1,1,1-Trichloroethane	ND	455.	--	ND	2480	--		2273
Benzene	ND	455.	--	ND	1450	--		2273
Carbon tetrachloride	ND	455.	--	ND	2860	--		2273
Cyclohexane	ND	455	--	ND	1570	--		2273
1,2-Dichloropropane	ND	455.	--	ND	2100	--		2273
Bromodichloromethane	ND	455.	--	ND	3050	--		2273
1,4-Dioxane	ND	455.	--	ND	1640	--		2273
Trichloroethene	81600	455	--	439000	2450	--		2273
2,2,4-Trimethylpentane	ND	455.	--	ND	2130	--		2273
Heptane	ND	455.	--	ND	1860	--		2273
cis-1,3-Dichloropropene	ND	455.	--	ND	2070	--		2273
4-Methyl-2-pentanone	ND	1140	--	ND	4670	--		2273
trans-1,3-Dichloropropene	ND	455.	--	ND	2070	--		2273
1,1,2-Trichloroethane	ND	455.	--	ND	2480	--		2273
Toluene	ND	455.	--	ND	1710	--		2273
2-Hexanone	ND	455.	--	ND	1860	--		2273
Dibromochloromethane	ND	455.	--	ND	3880	--		2273
1,2-Dibromoethane	ND	455.	--	ND	3500	--		2273
Tetrachloroethene	349000	455	--	2370000	3090	--	E	2273
Chlorobenzene	ND	455.	--	ND	2100	--		2273
Ethylbenzene	ND	455.	--	ND	1980	--		2273

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-01 D
Client ID: SV-1
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:52
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	909.	--	ND	3950	--		2273
Bromoform	ND	455.	--	ND	4700	--		2273
Styrene	ND	455.	--	ND	1940	--		2273
1,1,2,2-Tetrachloroethane	ND	455.	--	ND	3120	--		2273
o-Xylene	ND	455.	--	ND	1980	--		2273
4-Ethyltoluene	ND	455.	--	ND	2240	--		2273
1,3,5-Trimethylbenzene	ND	455.	--	ND	2240	--		2273
1,2,4-Trimethylbenzene	ND	455.	--	ND	2240	--		2273
Benzyl chloride	ND	455.	--	ND	2360	--		2273
1,3-Dichlorobenzene	ND	455.	--	ND	2740	--		2273
1,4-Dichlorobenzene	ND	455.	--	ND	2740	--		2273
1,2,4-Trichlorobenzene	ND	455.	--	ND	3380	--		2273
Naphthalene	ND	455.	--	ND	2390	--		2273
Hexachlorobutadiene	ND	455.	--	ND	4850	--		2273

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	103		60-140

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-01 D
Client ID: SV-1
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:52
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/28/24 01:36
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	45.5	--	ND	274	--		2273

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	107		60-140

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-01 D2
Client ID: SV-1
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:52
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/28/24 07:42
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	535000	1670	--	3630000	11300	--		8333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	100		60-140

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-02 D
Client ID: SV-2
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:53
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/28/24 02:10
Analyst: TPH

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.92	--	ND	14.4	--		14.59
Chloromethane	ND	2.92	--	ND	6.03	--		14.59
Freon-114	ND	2.92	--	ND	20.4	--		14.59
Vinyl chloride	ND	2.92	--	ND	7.46	--		14.59
1,3-Butadiene	ND	2.92	--	ND	6.46	--		14.59
Bromomethane	ND	2.92	--	ND	11.3	--		14.59
Chloroethane	ND	2.92	--	ND	7.71	--		14.59
Ethanol	ND	72.9	--	ND	137	--		14.59
Vinyl bromide	ND	2.92	--	ND	12.8	--		14.59
Acetone	ND	14.6	--	ND	34.7	--		14.59
Trichlorofluoromethane	ND	2.92	--	ND	16.4	--		14.59
Isopropanol	ND	7.29	--	ND	17.9	--		14.59
1,1-Dichloroethene	ND	2.92	--	ND	11.6	--		14.59
Tertiary butyl Alcohol	ND	7.29	--	ND	22.1	--		14.59
Methylene chloride	ND	7.29	--	ND	25.3	--		14.59
3-Chloropropene	ND	2.92	--	ND	9.14	--		14.59
Carbon disulfide	ND	2.92	--	ND	9.09	--		14.59
Freon-113	ND	2.92	--	ND	22.4	--		14.59
trans-1,2-Dichloroethene	ND	2.92	--	ND	11.6	--		14.59
1,1-Dichloroethane	ND	2.92	--	ND	11.8	--		14.59
Methyl tert butyl ether	ND	2.92	--	ND	10.5	--		14.59
2-Butanone	ND	7.29	--	ND	21.5	--		14.59
cis-1,2-Dichloroethene	118	2.92	--	468	11.6	--		14.59

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-02 D
Client ID: SV-2
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:53
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	7.29	--	ND	26.3	--		14.59
Chloroform	ND	2.92	--	ND	14.3	--		14.59
Tetrahydrofuran	ND	7.29	--	ND	21.5	--		14.59
1,2-Dichloroethane	ND	2.92	--	ND	11.8	--		14.59
n-Hexane	ND	2.92	--	ND	10.3	--		14.59
1,1,1-Trichloroethane	ND	2.92	--	ND	15.9	--		14.59
Benzene	ND	2.92	--	ND	9.33	--		14.59
Carbon tetrachloride	ND	2.92	--	ND	18.4	--		14.59
Cyclohexane	ND	2.92	--	ND	10.1	--		14.59
1,2-Dichloropropane	ND	2.92	--	ND	13.5	--		14.59
Bromodichloromethane	ND	2.92	--	ND	19.6	--		14.59
1,4-Dioxane	ND	2.92	--	ND	10.5	--		14.59
Trichloroethene	89.0	2.92	--	478	15.7	--		14.59
2,2,4-Trimethylpentane	ND	2.92	--	ND	13.6	--		14.59
Heptane	ND	2.92	--	ND	12.0	--		14.59
cis-1,3-Dichloropropene	ND	2.92	--	ND	13.3	--		14.59
4-Methyl-2-pentanone	ND	7.29	--	ND	29.9	--		14.59
trans-1,3-Dichloropropene	ND	2.92	--	ND	13.3	--		14.59
1,1,2-Trichloroethane	ND	2.92	--	ND	15.9	--		14.59
Toluene	ND	2.92	--	ND	11.0	--		14.59
2-Hexanone	ND	2.92	--	ND	12.0	--		14.59
Dibromochloromethane	ND	2.92	--	ND	24.9	--		14.59
1,2-Dibromoethane	ND	2.92	--	ND	22.4	--		14.59
Tetrachloroethene	689	2.92	--	4670	19.8	--		14.59
Chlorobenzene	ND	2.92	--	ND	13.4	--		14.59
Ethylbenzene	ND	2.92	--	ND	12.7	--		14.59

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-02 D
Client ID: SV-2
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:53
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	5.83	--	ND	25.3	--		14.59
Bromoform	ND	2.92	--	ND	30.2	--		14.59
Styrene	ND	2.92	--	ND	12.4	--		14.59
1,1,2,2-Tetrachloroethane	ND	2.92	--	ND	20.1	--		14.59
o-Xylene	ND	2.92	--	ND	12.7	--		14.59
4-Ethyltoluene	ND	2.92	--	ND	14.4	--		14.59
1,3,5-Trimethylbenzene	ND	2.92	--	ND	14.4	--		14.59
1,2,4-Trimethylbenzene	4.39	2.92	--	21.6	14.4	--		14.59
Benzyl chloride	ND	2.92	--	ND	15.1	--		14.59
1,3-Dichlorobenzene	ND	2.92	--	ND	17.6	--		14.59
1,4-Dichlorobenzene	ND	2.92	--	ND	17.6	--		14.59
1,2,4-Trichlorobenzene	ND	2.92	--	ND	21.7	--		14.59
Naphthalene	ND	2.92	--	ND	15.3	--		14.59
Hexachlorobutadiene	ND	2.92	--	ND	31.1	--		14.59

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	104		60-140

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-02 D
Client ID: SV-2
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/20/24 14:53
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/28/24 02:10
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.292	--	ND	1.76	--		14.59

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	105		60-140

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-03
Client ID: SV-3
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/21/24 15:59
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/28/24 02:47
Analyst: TPH

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.511	0.200	--	2.53	0.989	--		1
Chloromethane	0.335	0.200	--	0.692	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.870	0.200	--	1.92	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	20.9	5.00	--	39.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.5	1.00	--	41.6	2.38	--		1
Trichlorofluoromethane	0.246	0.200	--	1.38	1.12	--		1
Isopropanol	3.04	0.500	--	7.47	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.885	0.500	--	2.68	1.52	--		1
Methylene chloride	0.791	0.500	--	2.75	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.212	0.200	--	0.660	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.680	0.500	--	2.01	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-03
Client ID: SV-3
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/21/24 15:59
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	2.40	0.200	--	11.7	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.372	0.200	--	1.31	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.387	0.200	--	1.24	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.672	0.200	--	3.61	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.296	0.200	--	1.21	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.07	0.200	--	7.80	0.754	--		1
2-Hexanone	0.341	0.200	--	1.40	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	7.63	0.200	--	51.7	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.700	0.200	--	3.04	0.869	--		1

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-03
Client ID: SV-3
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/21/24 15:59
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	3.94	0.400	--	17.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.14	0.200	--	4.95	0.869	--		1
4-Ethyltoluene	0.596	0.200	--	2.93	0.983	--		1
1,3,5-Trimethylbenzene	0.342	0.200	--	1.68	0.983	--		1
1,2,4-Trimethylbenzene	2.23	0.200	--	11.0	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	0.736	0.200	--	3.86	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

SAMPLE RESULTS

Lab ID: L2435396-03
Client ID: SV-3
Sample Location: 38 GRAMERCY PARK E, NY

Date Collected: 06/21/24 15:59
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/28/24 02:47
Analyst: JMB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 06/27/24 15:26

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1940473-4								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/27/24 14:49

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1940476-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/27/24 14:49

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1940476-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/27/24 14:49

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1940476-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 38 GRAMERCY PARK E, NY

Project Number: 13542

Lab Number: L2435396

Report Date: 07/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab	Associated sample(s): 01-03		Batch: WG1940473-3					
1,2-Dichlorobenzene	78		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 38 GRAMERCY PARK E, NY

Project Number: 13542

Lab Number: L2435396

Report Date: 07/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1940476-3								
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	86		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	99		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethanol	89		-		40-160	-		
Vinyl bromide	88		-		70-130	-		
Acetone	98		-		40-160	-		
Trichlorofluoromethane	124		-		70-130	-		
Isopropanol	110		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	89		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	101		-		70-130	-		
Carbon disulfide	88		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542
Lab Number: L2435396
Report Date: 07/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1940476-3								
Ethyl Acetate	101		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
1,2-Dichloroethane	99		-		70-130	-		
n-Hexane	109		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Cyclohexane	107		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	110		-		70-130	-		
1,4-Dioxane	111		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	111		-		70-130	-		
Heptane	108		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	104		-		70-130	-		
1,1,2-Trichloroethane	100		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	104		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 38 GRAMERCY PARK E, NY

Project Number: 13542

Lab Number: L2435396

Report Date: 07/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1940476-3								
Tetrachloroethene	90		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	98		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	101		-		70-130	-		
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	92		-		70-130	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
Benzyl chloride	97		-		70-130	-		
1,3-Dichlorobenzene	94		-		70-130	-		
1,4-Dichlorobenzene	91		-		70-130	-		
1,2-Dichlorobenzene	**68**	Q	-		70-130	-		
1,2,4-Trichlorobenzene	90		-		70-130	-		
Naphthalene	88		-		70-130	-		
Hexachlorobutadiene	86		-		70-130	-		

Project Name: 38 GRAMERCY PARK E, NY

Lab Number: L2435396

Project Number: 13542

Report Date: 07/01/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2435396-01	SV-1	02037	SV200	06/18/24	472972		-	-	-	Pass	215	207	4
L2435396-01	SV-1	638	6.0L Can	06/18/24	472972	L2432858-05	Pass	-29.6	-3.2	-	-	-	-
L2435396-02	SV-2	01232	SV200	06/18/24	472972		-	-	-	Pass	216	209	3
L2435396-02	SV-2	4357	6.0L Can	06/18/24	472972	L2432858-05	Pass	-29.5	-3.0	-	-	-	-
L2435396-03	SV-3	02607	SV200	06/18/24	472972		-	-	-	Pass	216	211	2
L2435396-03	SV-3	2389	6.0L Can	06/18/24	472972	L2432858-05	Pass	-29.5	-3.4	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2432858
Report Date: 07/01/24

Air Canister Certification Results

Lab ID: L2432858-05
Client ID: CAN 1640 SHELF 43
Sample Location:

Date Collected: 06/11/24 16:00
Date Received: 06/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/13/24 20:31
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2432858
Report Date: 07/01/24

Air Canister Certification Results

Lab ID: L2432858-05
Client ID: CAN 1640 SHELF 43
Sample Location:

Date Collected: 06/11/24 16:00
Date Received: 06/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2432858
Report Date: 07/01/24

Air Canister Certification Results

Lab ID: L2432858-05
Client ID: CAN 1640 SHELF 43
Sample Location:

Date Collected: 06/11/24 16:00
Date Received: 06/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2432858
Report Date: 07/01/24

Air Canister Certification Results

Lab ID: L2432858-05
Client ID: CAN 1640 SHELF 43
Sample Location:

Date Collected: 06/11/24 16:00
Date Received: 06/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2432858
Report Date: 07/01/24

Air Canister Certification Results

Lab ID: L2432858-05
Client ID: CAN 1640 SHELF 43
Sample Location:

Date Collected: 06/11/24 16:00
Date Received: 06/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.5	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	73		60-140
Bromochloromethane	77		60-140
chlorobenzene-d5	75		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2432858
Report Date: 07/01/24

Air Canister Certification Results

Lab ID: L2432858-05
Client ID: CAN 1640 SHELF 43
Sample Location:

Date Collected: 06/11/24 16:00
Date Received: 06/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/13/24 20:31
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2432858
Report Date: 07/01/24

Air Canister Certification Results

Lab ID: L2432858-05
Client ID: CAN 1640 SHELF 43
Sample Location:

Date Collected: 06/11/24 16:00
Date Received: 06/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2432858

Project Number: CANISTER QC BAT **Report Date:** 07/01/24

Air Canister Certification Results

Lab ID: L2432858-05
Client ID: CAN 1640 SHELF 43
Sample Location:

Date Collected: 06/11/24 16:00
Date Received: 06/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	70		60-140
bromochloromethane	75		60-140
chlorobenzene-d5	75		60-140

Project Name: 38 GRAMERCY PARK E, NY
Project Number: 13542

Lab Number: L2435396
Report Date: 07/01/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2435396-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2435396-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2435396-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	38 GRAMERCY PARK E, NY	**Lab Number:**	L2435396
Project Number:	13542	**Report Date:**	07/01/24

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: Data Usability Report

Project Name:	38 GRAMERCY PARK E, NY	**Lab Number:**	L2435396
Project Number:	13542	**Report Date:**	07/01/24

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	38 GRAMERCY PARK E, NY	**Lab Number:**	L2435396
Project Number:	13542	**Report Date:**	07/01/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: 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
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/22/24

ALPHA Job #: L2435396

Client Information

Client: SESI
Address: 959 US-46E Parsippany, NJ
Phone: 973 868 9050
Fax:
Email: James.vandervliet@sesi.dy JTL@sesi.dy
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location: 38 Gramercy Path E, NY
Project #: 13542
Project Manager: James Vandervliet
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☑ Additional Deliverables: Cat B
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
	SV-1	6/20/24	1427	1452	-29.63	-4.91	SV	EQ	6L	638	02037	X					
	SV-2	↓	1429	1453	-30.06	-4.83	↓	↓	↓	4357	01232	↓					
	SV-3	6/21/24	1536	1559	-29.60	-6.86	↓	↓	↓	2389	02607	↓					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
SSmt	06/21/24	SMt	6-21-24 1638
Anthony Green	C-21-24 1825	Anthony Green	JUN 21 2024 2:15
	6/22/24 0040		6/22/24 0040
	6/22/24 0600		6/22/24 0600

ANALYTICAL REPORT

Lab Number:	L2435415
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	James Vander Vliet
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	13542
Report Date:	07/08/24

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: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2435415-01	TW-1	WATER	38 GRAMERCY PARK E, NEW YORK NY	06/20/24 09:30	06/21/24
L2435415-02	TW-2	WATER	38 GRAMERCY PARK E, NEW YORK NY	06/20/24 12:00	06/21/24

Project Name:	Not Specified	**Lab Number:**	L2435415
Project Number:	13542	**Report Date:**	07/08/24

Case Narrative

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

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

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

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

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

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

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Case Narrative (continued)

Report Submission
July 08, 2024: This final report includes the results of all requested analyses.
July 01, 2024: 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.

Sample Receipt
L2435415-01 and -02: Sample containers for Total Cyanide were received, but not listed on the chain of custody. At the client's request, the analysis was not performed.
L2435415-02: The collection date and time on the chain of custody was 20-JUN-24 09:30; however, the collection date/time on the container label was 20-JUN-24 12:00. At the client's request, the collection date/time is reported as 20-JUN-24 12:00.

Semivolatile Organics
The WG1940351-2/-3 LCS/LCSD recoveries, associated with L2435415-01 and -02, are below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Semivolatile Organics by SIM
L2435415-02: The initial extraction within the method required holding time was lost due to a laboratory error; the sample was re-extracted with the method required holding time exceeded and the results of the second extraction are reported.

Perfluorinated Alkyl Acids by 1633
L2435415-01RE and -02RE: The sample was re-extracted within holding time due to QC failures in the original extraction. The results of the re-extraction are reported.

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Case Narrative (continued)

L2435415-01RE and -02RE: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

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

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 07/08/24

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01 D
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/25/24 22:12
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	620	180	250
1,1-Dichloroethane	ND		ug/l	620	180	250
Chloroform	ND		ug/l	620	180	250
Carbon tetrachloride	ND		ug/l	120	34.	250
1,2-Dichloropropane	ND		ug/l	250	34.	250
Dibromochloromethane	ND		ug/l	120	37.	250
1,1,2-Trichloroethane	ND		ug/l	380	120	250
Tetrachloroethene	44000		ug/l	120	45.	250
Chlorobenzene	ND		ug/l	620	180	250
Trichlorofluoromethane	ND		ug/l	620	180	250
1,2-Dichloroethane	ND		ug/l	120	33.	250
1,1,1-Trichloroethane	ND		ug/l	620	180	250
Bromodichloromethane	ND		ug/l	120	48.	250
trans-1,3-Dichloropropene	ND		ug/l	120	41.	250
cis-1,3-Dichloropropene	ND		ug/l	120	36.	250
1,3-Dichloropropene, Total	ND		ug/l	120	36.	250
1,1-Dichloropropene	ND		ug/l	620	180	250
Bromoform	ND		ug/l	500	160	250
1,1,2,2-Tetrachloroethane	ND		ug/l	120	42.	250
Benzene	ND		ug/l	120	40.	250
Toluene	ND		ug/l	620	180	250
Ethylbenzene	ND		ug/l	620	180	250
Chloromethane	ND		ug/l	620	180	250
Bromomethane	ND		ug/l	620	180	250
Vinyl chloride	22	J	ug/l	250	18.	250
Chloroethane	ND		ug/l	620	180	250
1,1-Dichloroethene	ND		ug/l	120	42.	250
trans-1,2-Dichloroethene	ND		ug/l	620	180	250

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01 D Date Collected: 06/20/24 09:30

Client ID: TW-1 Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	8000		ug/l	120	44.	250
1,2-Dichlorobenzene	ND		ug/l	620	180	250
1,3-Dichlorobenzene	ND		ug/l	620	180	250
1,4-Dichlorobenzene	ND		ug/l	620	180	250
Methyl tert butyl ether	ND		ug/l	620	42.	250
p/m-Xylene	ND		ug/l	620	180	250
o-Xylene	ND		ug/l	620	180	250
Xylenes, Total	ND		ug/l	620	180	250
cis-1,2-Dichloroethene	8600		ug/l	620	180	250
1,2-Dichloroethene, Total	8600		ug/l	620	180	250
Dibromomethane	ND		ug/l	1200	250	250
1,2,3-Trichloropropane	ND		ug/l	620	180	250
Acrylonitrile	ND		ug/l	1200	380	250
Styrene	ND		ug/l	620	180	250
Dichlorodifluoromethane	ND		ug/l	1200	250	250
Acetone	ND		ug/l	1200	360	250
Carbon disulfide	ND		ug/l	1200	250	250
2-Butanone	ND		ug/l	1200	480	250
Vinyl acetate	ND		ug/l	1200	250	250
4-Methyl-2-pentanone	ND		ug/l	1200	250	250
2-Hexanone	ND		ug/l	1200	250	250
Bromochloromethane	ND		ug/l	620	180	250
2,2-Dichloropropane	ND		ug/l	620	180	250
1,2-Dibromoethane	ND		ug/l	500	160	250
1,3-Dichloropropane	ND		ug/l	620	180	250
1,1,1,2-Tetrachloroethane	ND		ug/l	620	180	250
Bromobenzene	ND		ug/l	620	180	250
n-Butylbenzene	ND		ug/l	620	180	250
sec-Butylbenzene	ND		ug/l	620	180	250
tert-Butylbenzene	ND		ug/l	620	180	250
o-Chlorotoluene	ND		ug/l	620	180	250
p-Chlorotoluene	ND		ug/l	620	180	250
1,2-Dibromo-3-chloropropane	ND		ug/l	620	180	250
Hexachlorobutadiene	ND		ug/l	620	180	250
Isopropylbenzene	ND		ug/l	620	180	250
p-Isopropyltoluene	ND		ug/l	620	180	250
Naphthalene	ND		ug/l	620	180	250

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01 D
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	620	180	250
1,2,3-Trichlorobenzene	ND		ug/l	620	180	250
1,2,4-Trichlorobenzene	ND		ug/l	620	180	250
1,3,5-Trimethylbenzene	ND		ug/l	620	180	250
1,2,4-Trimethylbenzene	ND		ug/l	620	180	250
1,4-Dioxane	ND		ug/l	62000	15000	250
p-Diethylbenzene	ND		ug/l	500	180	250
p-Ethyltoluene	ND		ug/l	500	180	250
1,2,4,5-Tetramethylbenzene	ND		ug/l	500	140	250
Ethyl ether	ND		ug/l	620	180	250
trans-1,4-Dichloro-2-butene	ND		ug/l	620	180	250
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/24/24 17:38
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	5.5		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.1		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.7		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.7		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	100		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/24/24 09:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1938990-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/24/24 09:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1938990-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/24/24 09:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1938990-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/24/24 09:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1938990-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	95		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/25/24 21:00
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1939571-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/25/24 21:00
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1939571-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/25/24 21:00
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1939571-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds		
No Tentatively Identified Compounds	ND	ug/l

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/25/24 21:00
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1939571-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1938990-3 WG1938990-4								
Methylene chloride	94		100		70-130	6		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	95		99		70-130	4		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	90		100		63-130	11		20
1,1,2-Trichloroethane	91		110		70-130	19		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	96		100		75-130	4		20
Trichlorofluoromethane	95		93		62-150	2		20
1,2-Dichloroethane	88		100		70-130	13		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	91		100		67-130	9		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	96		110		70-130	14		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	85		98		54-136	14		20
1,1,2,2-Tetrachloroethane	110		130		67-130	17		20
Benzene	100		110		70-130	10		20
Toluene	100		110		70-130	10		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	100		89		64-130	12		20
Bromomethane	**20**	Q	**21**	Q	39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1938990-3 WG1938990-4								
Vinyl chloride	80		78		55-140	3		20
Chloroethane	**50**	Q	**51**	Q	55-138	2		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	99		100		70-130	1		20
Trichloroethene	87		93		70-130	7		20
1,2-Dichlorobenzene	95		110		70-130	15		20
1,3-Dichlorobenzene	98		110		70-130	12		20
1,4-Dichlorobenzene	96		110		70-130	14		20
Methyl tert butyl ether	88		100		63-130	13		20
p/m-Xylene	90		100		70-130	11		20
o-Xylene	85		95		70-130	11		20
cis-1,2-Dichloroethene	96		100		70-130	4		20
Dibromomethane	85		98		70-130	14		20
1,2,3-Trichloropropane	95		110		64-130	15		20
Acrylonitrile	100		110		70-130	10		20
Styrene	90		100		70-130	11		20
Dichlorodifluoromethane	100		98		36-147	2		20
Acetone	77		90		58-148	16		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	95		100		63-138	5		20
Vinyl acetate	**170**	Q	**180**	Q	70-130	6		20
4-Methyl-2-pentanone	100		120		59-130	18		20
2-Hexanone	98		120		57-130	20		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1938990-3 WG1938990-4								
Bromochloromethane	89		97		70-130	9		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	93		110		70-130	17		20
1,3-Dichloropropane	97		110		70-130	13		20
1,1,1,2-Tetrachloroethane	92		100		64-130	8		20
Bromobenzene	99		110		70-130	11		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	110		120		70-130	9		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	110		120		70-130	9		20
p-Chlorotoluene	110		120		70-130	9		20
1,2-Dibromo-3-chloropropane	84		100		41-144	17		20
Hexachlorobutadiene	120		120		63-130	0		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	110		120		70-130	9		20
Naphthalene	74		95		70-130	**25**	Q	20
n-Propylbenzene	120		120		69-130	0		20
1,2,3-Trichlorobenzene	83		100		70-130	19		20
1,2,4-Trichlorobenzene	90		100		70-130	11		20
1,3,5-Trimethylbenzene	110		120		64-130	9		20
1,2,4-Trimethylbenzene	110		120		70-130	9		20
1,4-Dioxane	82		104		56-162	**24**	Q	20
p-Diethylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1938990-3 WG1938990-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	89		97		70-130	9		20
Ethyl ether	91		100		59-134	9		20
trans-1,4-Dichloro-2-butene	71		86		70-130	19		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	120		116		70-130
Dibromofluoromethane	96		91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1939571-3 WG1939571-4								
Methylene chloride	88		95		70-130	8		20
1,1-Dichloroethane	94		97		70-130	3		20
Chloroform	91		96		70-130	5		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	94		100		70-130	6		20
Dibromochloromethane	88		98		63-130	11		20
1,1,2-Trichloroethane	89		94		70-130	5		20
Tetrachloroethene	100		99		70-130	1		20
Chlorobenzene	90		96		75-130	6		20
Trichlorofluoromethane	93		90		62-150	3		20
1,2-Dichloroethane	88		95		70-130	8		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	88		96		67-130	9		20
trans-1,3-Dichloropropene	91		100		70-130	9		20
cis-1,3-Dichloropropene	92		99		70-130	7		20
1,1-Dichloropropene	100		99		70-130	1		20
Bromoform	81		93		54-136	14		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	93		97		70-130	4		20
Toluene	95		97		70-130	2		20
Ethylbenzene	93		95		70-130	2		20
Chloromethane	68		70		64-130	3		20
Bromomethane	**11**	Q	**16**	Q	39-139	**37**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1939571-3 WG1939571-4								
Vinyl chloride	67		62		55-140	8		20
Chloroethane	**47**	Q	**47**	Q	55-138	0		20
1,1-Dichloroethene	95		94		61-145	1		20
trans-1,2-Dichloroethene	91		92		70-130	1		20
Trichloroethene	86		88		70-130	2		20
1,2-Dichlorobenzene	91		100		70-130	9		20
1,3-Dichlorobenzene	92		99		70-130	7		20
1,4-Dichlorobenzene	90		97		70-130	7		20
Methyl tert butyl ether	88		97		63-130	10		20
p/m-Xylene	85		90		70-130	6		20
o-Xylene	85		85		70-130	0		20
cis-1,2-Dichloroethene	87		94		70-130	8		20
Dibromomethane	84		94		70-130	11		20
1,2,3-Trichloropropane	89		100		64-130	12		20
Acrylonitrile	92		100		70-130	8		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	85		81		36-147	5		20
Acetone	70		77		58-148	10		20
Carbon disulfide	93		92		51-130	1		20
2-Butanone	88		100		63-138	13		20
Vinyl acetate	130		130		70-130	0		20
4-Methyl-2-pentanone	92		100		59-130	8		20
2-Hexanone	86		94		57-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1939571-3 WG1939571-4								
Bromochloromethane	88		96		70-130	9		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	90		100		70-130	11		20
1,3-Dichloropropane	94		99		70-130	5		20
1,1,1,2-Tetrachloroethane	91		96		64-130	5		20
Bromobenzene	93		100		70-130	7		20
n-Butylbenzene	91		94		53-136	3		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	97		100		70-130	3		20
o-Chlorotoluene	98		100		70-130	2		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	84		99		41-144	16		20
Hexachlorobutadiene	100		110		63-130	10		20
Isopropylbenzene	92		95		70-130	3		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	72		88		70-130	20		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	80		94		70-130	16		20
1,2,4-Trichlorobenzene	88		97		70-130	10		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	99		110		70-130	11		20
1,4-Dioxane	86		104		56-162	19		20
p-Diethylbenzene	96		100		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1939571-3 WG1939571-4								
p-Ethyltoluene	98		100		70-130	2		20
1,2,4,5-Tetramethylbenzene	84		90		70-130	7		20
Ethyl ether	87		94		59-134	8		20
trans-1,4-Dichloro-2-butene	**49**	Q	**54**	Q	70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		100		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	112		113		70-130
Dibromofluoromethane	95		96		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 06/28/24 17:38
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 13:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	1.9	J	ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	1.0	J	ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	3.2		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01 Date Collected: 06/20/24 09:30

Client ID: TW-1 Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	2.5		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	0.87	J	ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Tentatively Identified Compounds						
Total TIC Compounds	89.2	J	ug/l			1
Tetrachloroethene	40.0	NJ	ug/l			1
Unknown	9.20	J	ug/l			1
Unknown	40.0	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	73		41-149

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/26/24 16:27
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 06/25/24 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		15-110

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/28/24 12:46
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 13:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.96		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	24		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	0.41		ug/l	0.10	0.02	1
Anthracene	0.20		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.67		ug/l	0.10	0.03	1
Phenanthrene	3.2		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	31		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01 Date Collected: 06/20/24 09:30

Client ID: TW-1 Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	80		41-149

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01 RE
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 07/05/24 17:34
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 07/05/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	26.4	J	ng/l	32.0	5.12	1
Perfluoropentanoic Acid (PFPeA)	26.2		ng/l	16.0	4.28	1
Perfluorobutanesulfonic Acid (PFBS)	13.4		ng/l	8.00	2.68	1
Perfluorohexanoic Acid (PFHxA)	18.5		ng/l	8.00	2.36	1
Perfluoroheptanoic Acid (PFHpA)	12.0		ng/l	8.00	1.60	1
Perfluorohexanesulfonic Acid (PFHxS)	8.08		ng/l	8.00	1.92	1
Perfluorooctanoic Acid (PFOA)	82.1		ng/l	8.00	3.48	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	32.0	10.8	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	8.00	2.16	1
Perfluorononanoic Acid (PFNA)	2.64	J	ng/l	8.00	2.52	1
Perfluorooctanesulfonic Acid (PFOS)	19.0		ng/l	8.00	3.64	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	8.00	3.24	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	32.0	12.4	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	8.00	4.36	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	8.00	3.48	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	8.00	1.84	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	8.00	2.16	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	8.00	4.32	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	8.00	3.68	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	8.00	3.00	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	8.00	2.12	1
PFOA/PFOS, Total	101		ng/l	8.00	3.48	1

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01 RE Date Collected: 06/20/24 09:30

Client ID: TW-1 Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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)	88		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	88		41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	91		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	95		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	87		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	90		32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	84		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	85		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	79		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	84		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	81		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	77		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	69		10-145

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 06/28/24 18:02
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 13:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	2.3	J	ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	0.86	J	ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02 Date Collected: 06/20/24 12:00

Client ID: TW-2 Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	0.87	J	ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	486	J	ug/l			1
Unknown	6.80	J	ug/l			1
Unknown	313	J	ug/l			1
Unknown Alkane	10.0	J	ug/l			1
Unknown	13.0	J	ug/l			1
Unknown	13.3	J	ug/l			1
Unknown Alkane	6.70	J	ug/l			1
Unknown Alkane	10.6	J	ug/l			1
Unknown	7.10	J	ug/l			1
Unknown Alkene	10.2	J	ug/l			1
Unknown	11.2	J	ug/l			1
Unknown	47.5	J	ug/l			1
Unknown Alkane	6.80	J	ug/l			1
Unknown Alkane	7.20	J	ug/l			1
Unknown	7.00	J	ug/l			1
Unknown	15.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**14**	Q	21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	23		10-120
4-Terphenyl-d14	78		41-149

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/26/24 16:04
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 06/25/24 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	37		15-110

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/29/24 11:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/28/24 16:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.11		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.60		ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.07	J	ug/l	0.10	0.03	1
Phenanthrene	0.19		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	ND		ug/l	0.10	0.04	1
2-Methylnaphthalene	0.12		ug/l	0.10	0.03	1
Pentachlorophenol	ND		ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02 Date Collected: 06/20/24 12:00

Client ID: TW-2 Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	34		10-120
4-Terphenyl-d14	80		41-149

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02 RE
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 07/05/24 17:47
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 07/05/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	25.8	J	ng/l	32.0	5.12	1
Perfluoropentanoic Acid (PFPeA)	30.7		ng/l	16.0	4.28	1
Perfluorobutanesulfonic Acid (PFBS)	10.7		ng/l	8.00	2.68	1
Perfluorohexanoic Acid (PFHxA)	20.3		ng/l	8.00	2.36	1
Perfluoroheptanoic Acid (PFHpA)	11.5		ng/l	8.00	1.60	1
Perfluorohexanesulfonic Acid (PFHxS)	7.36	J	ng/l	8.00	1.92	1
Perfluorooctanoic Acid (PFOA)	60.2		ng/l	8.00	3.48	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	32.0	10.8	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	8.00	2.16	1
Perfluorononanoic Acid (PFNA)	5.04	J	ng/l	8.00	2.52	1
Perfluorooctanesulfonic Acid (PFOS)	37.3		ng/l	8.00	3.64	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	8.00	3.24	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	32.0	12.4	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	8.00	4.36	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	8.00	3.48	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	8.00	1.84	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	8.00	2.16	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	8.00	4.32	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	8.00	3.68	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	8.00	3.00	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	8.00	2.12	1
PFOA/PFOS, Total	97.5		ng/l	8.00	3.48	1

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02 RE
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 12:00
Date Received: 06/21/24
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)	85		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87		41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	96		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	95		32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	66		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	73		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	63		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	77		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	62		10-145

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/26/24 09:06
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 06/25/24 11:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1939012-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/28/24 12:09
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 13:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1940351-1					
Acenaphthene	ND		ug/l	2.0	0.40
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98
Hexachlorobenzene	ND		ug/l	2.0	0.45
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.35
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Fluoranthene	ND		ug/l	2.0	0.41
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Hexachloroethane	ND		ug/l	2.0	0.20
Isophorone	ND		ug/l	5.0	0.86
Naphthalene	ND		ug/l	2.0	0.54
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/28/24 12:09
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 13:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1940351-1					
Dimethyl phthalate	ND		ug/l	5.0	0.92
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Chrysene	ND		ug/l	2.0	0.22
Acenaphthylene	ND		ug/l	2.0	0.32
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.37
Fluorene	ND		ug/l	2.0	0.44
Phenanthrene	ND		ug/l	2.0	0.42
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.41
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
2-Methylnaphthalene	ND		ug/l	2.0	0.37
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/28/24 12:09
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 13:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1940351-1					
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Pentachlorophenol	ND		ug/l	10	2.5
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.38
Carbazole	ND		ug/l	2.0	0.31
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	39		15-120
2,4,6-Tribromophenol	38		10-120
4-Terphenyl-d14	72		41-149

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/28/24 11:58
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 13:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1940352-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/28/24 11:58
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 13:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1940352-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	44		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	89		41-149

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/29/24 10:53
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/28/24 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1940984-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/29/24 10:53
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/28/24 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1940984-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	22		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	34		10-120
4-Terphenyl-d14	87		41-149

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/05/24 15:39
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 07/05/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG1943306-1					
Perfluorobutanoic Acid (PFBA)	1.58	J	ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
PFOA/PFOS, Total	ND		ng/l	1.60	0.696

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/05/24 15:39
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 07/05/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-02 Batch: WG1943306-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	96		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87		41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	91		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	85		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	99		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87		32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	84		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	90		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	89		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	101		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	97		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	92		10-145

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 01-02		Batch: WG1939012-2 WG1939012-3					
1,4-Dioxane	124		122		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	42		41		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1940351-2 WG1940351-3								
Acenaphthene	77		75		37-111	3		30
1,2,4-Trichlorobenzene	65		66		39-98	2		30
Hexachlorobenzene	75		71		40-140	5		30
Bis(2-chloroethyl)ether	80		79		40-140	1		30
2-Chloronaphthalene	72		66		40-140	9		30
1,2-Dichlorobenzene	70		66		40-140	6		30
1,3-Dichlorobenzene	66		67		40-140	2		30
1,4-Dichlorobenzene	69		68		36-97	1		30
3,3'-Dichlorobenzidine	94		88		40-140	7		30
2,4-Dinitrotoluene	85		77		48-143	10		30
2,6-Dinitrotoluene	84		78		40-140	7		30
Fluoranthene	84		78		40-140	7		30
4-Chlorophenyl phenyl ether	73		70		40-140	4		30
4-Bromophenyl phenyl ether	74		71		40-140	4		30
Bis(2-chloroisopropyl)ether	72		74		40-140	3		30
Bis(2-chloroethoxy)methane	80		78		40-140	3		30
Hexachlorobutadiene	62		59		40-140	5		30
Hexachlorocyclopentadiene	**34**	Q	**33**	Q	40-140	3		30
Hexachloroethane	62		60		40-140	3		30
Isophorone	81		80		40-140	1		30
Naphthalene	73		68		40-140	7		30
Nitrobenzene	78		79		40-140	1		30
NDPA/DPA	83		76		40-140	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1940351-2 WG1940351-3								
n-Nitrosodi-n-propylamine	83		81		29-132	2		30
Bis(2-ethylhexyl)phthalate	78		70		40-140	11		30
Butyl benzyl phthalate	79		73		40-140	8		30
Di-n-butylphthalate	81		72		40-140	12		30
Di-n-octylphthalate	82		74		40-140	10		30
Diethyl phthalate	86		80		40-140	7		30
Dimethyl phthalate	87		78		40-140	11		30
Benzo(a)anthracene	82		76		40-140	8		30
Benzo(a)pyrene	97		90		40-140	7		30
Benzo(b)fluoranthene	96		81		40-140	17		30
Benzo(k)fluoranthene	90		88		40-140	2		30
Chrysene	85		79		40-140	7		30
Acenaphthylene	79		72		45-123	9		30
Anthracene	82		77		40-140	6		30
Benzo(ghi)perylene	107		100		40-140	7		30
Fluorene	78		75		40-140	4		30
Phenanthrene	83		77		40-140	8		30
Dibenzo(a,h)anthracene	102		95		40-140	7		30
Indeno(1,2,3-cd)pyrene	100		94		40-140	6		30
Pyrene	84		79		26-127	6		30
Biphenyl	71		61		40-140	15		30
4-Chloroaniline	79		72		40-140	9		30
2-Nitroaniline	88		79		52-143	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1940351-2 WG1940351-3								
3-Nitroaniline	95		90		25-145	5		30
4-Nitroaniline	90		88		51-143	2		30
Dibenzofuran	76		75		40-140	1		30
2-Methylnaphthalene	70		68		40-140	3		30
1,2,4,5-Tetrachlorobenzene	63		58		2-134	8		30
Acetophenone	80		78		39-129	3		30
2,4,6-Trichlorophenol	70		77		30-130	10		30
p-Chloro-m-cresol	83		78		23-97	6		30
2-Chlorophenol	65		77		27-123	17		30
2,4-Dichlorophenol	69		82		30-130	17		30
2,4-Dimethylphenol	73		73		30-130	0		30
2-Nitrophenol	66		82		30-130	22		30
4-Nitrophenol	36		45		10-80	22		30
2,4-Dinitrophenol	38		40		20-130	5		30
4,6-Dinitro-o-cresol	68		80		20-164	16		30
Pentachlorophenol	63		67		9-103	6		30
Phenol	38		42		12-110	10		30
2-Methylphenol	71		73		30-130	3		30
3-Methylphenol/4-Methylphenol	65		71		30-130	9		30
2,4,5-Trichlorophenol	72		77		30-130	7		30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	77		76		26-116	1		30
Carbazole	88		82		55-144	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1940351-2 WG1940351-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	41		48		21-120
Phenol-d6	29		34		10-120
Nitrobenzene-d5	65		65		23-120
2-Fluorobiphenyl	52		51		15-120
2,4,6-Tribromophenol	63		73		10-120
4-Terphenyl-d14	68		63		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1940352-2 WG1940352-3								
Acenaphthene	86		88		40-140	2		40
2-Chloronaphthalene	74		77		40-140	4		40
Fluoranthene	99		98		40-140	1		40
Hexachlorobutadiene	60		63		40-140	5		40
Naphthalene	74		78		40-140	5		40
Benzo(a)anthracene	97		100		40-140	3		40
Benzo(a)pyrene	110		107		40-140	3		40
Benzo(b)fluoranthene	110		103		40-140	7		40
Benzo(k)fluoranthene	100		106		40-140	6		40
Chrysene	108		102		40-140	6		40
Acenaphthylene	86		88		40-140	2		40
Anthracene	95		96		40-140	1		40
Benzo(ghi)perylene	112		108		40-140	4		40
Fluorene	89		90		40-140	1		40
Phenanthrene	90		90		40-140	0		40
Dibenzo(a,h)anthracene	117		115		40-140	2		40
Indeno(1,2,3-cd)pyrene	122		116		40-140	5		40
Pyrene	98		96		40-140	2		40
2-Methylnaphthalene	81		84		40-140	4		40
Pentachlorophenol	74		84		40-140	13		40
Hexachlorobenzene	77		78		40-140	1		40
Hexachloroethane	69		73		40-140	6		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1940352-2 WG1940352-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		61		21-120
Phenol-d6	39		46		10-120
Nitrobenzene-d5	91		95		23-120
2-Fluorobiphenyl	55		60		15-120
2,4,6-Tribromophenol	84		99		10-120
4-Terphenyl-d14	81		80		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1940984-2 WG1940984-3								
Acenaphthene	69		65		40-140	6		40
2-Chloronaphthalene	64		57		40-140	12		40
Fluoranthene	70		67		40-140	4		40
Hexachlorobutadiene	55		50		40-140	10		40
Naphthalene	64		57		40-140	12		40
Benzo(a)anthracene	70		67		40-140	4		40
Benzo(a)pyrene	79		76		40-140	4		40
Benzo(b)fluoranthene	73		68		40-140	7		40
Benzo(k)fluoranthene	76		74		40-140	3		40
Chrysene	72		69		40-140	4		40
Acenaphthylene	70		63		40-140	11		40
Anthracene	72		68		40-140	6		40
Benzo(ghi)perylene	75		71		40-140	5		40
Fluorene	70		66		40-140	6		40
Phenanthrene	66		63		40-140	5		40
Dibenzo(a,h)anthracene	80		76		40-140	5		40
Indeno(1,2,3-cd)pyrene	82		78		40-140	5		40
Pyrene	69		66		40-140	4		40
2-Methylnaphthalene	70		64		40-140	9		40
Pentachlorophenol	65		63		40-140	3		40
Hexachlorobenzene	61		58		40-140	5		40
Hexachloroethane	62		58		40-140	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1940984-2 WG1940984-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		49		21-120
Phenol-d6	40		38		10-120
Nitrobenzene-d5	84		79		23-120
2-Fluorobiphenyl	64		58		15-120
2,4,6-Tribromophenol	79		76		10-120
4-Terphenyl-d14	64		62		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

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): 01-02 Batch: WG1943306-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	117		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	112		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	108		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	116		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	112		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	107		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	115		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	92		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	96		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	112		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	117		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	101		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	104		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	121		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	108		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	112		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

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): 01-02 Batch: WG1943306-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80				41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	89				29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	81				41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79				40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83				27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78				46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78				39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	91				10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82				32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	81				28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73				10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79				16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	82				14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75				10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82				10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	67				10-145

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1943306-3								
Perfluorobutanoic Acid (PFBA)	91		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	88		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	87		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	87		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	88		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	88		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	83		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	92		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	87		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	81		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	85		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	81		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	96		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	83		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	87		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	89		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	86		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	85		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	85		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	85		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	90		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1943306-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	77				41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	78				41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78				40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	80				27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	74				46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	77				39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83				10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74				38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	78				32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	77				28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	71				10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73				10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	77				16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	82				14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75				10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82				10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	69				10-145

PCBS

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/29/24 10:11
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/28/24 10:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	**179**	Q	30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/29/24 10:20
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/28/24 10:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/29/24 09:19
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/28/24 10:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1940787-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	124		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1940787-2 WG1940787-3									
Aroclor 1016	86		91		40-140	5		50	A
Aroclor 1260	80		85		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		84		30-150	A
Decachlorobiphenyl	87		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	B
Decachlorobiphenyl	122		128		30-150	B

PESTICIDES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/27/24 14:32
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	0.028	J	ug/l	0.029	0.003	1	A
4,4'-DDT	0.0090	J	ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01 Date Collected: 06/20/24 09:30

Client ID: TW-1 Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	64		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/27/24 14:43
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.009	J	ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified **Lab Number:** L2435415

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02 Date Collected: 06/20/24 12:00

Client ID: TW-2 Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	81		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/27/24 12:41
Analyst: SID

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 07:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1940105-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/27/24 12:41
Analyst: SID

Extraction Method: EPA 3510C
Extraction Date: 06/27/24 07:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1940105-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1940105-2 WG1940105-3									
Delta-BHC	63		63		30-150	1		20	A
Lindane	66		66		30-150	1		20	A
Alpha-BHC	65		64		30-150	0		20	A
Beta-BHC	69		67		30-150	3		20	A
Heptachlor	68		68		30-150	0		20	A
Aldrin	62		64		30-150	4		20	A
Heptachlor epoxide	64		66		30-150	2		20	A
Endrin	68		68		30-150	1		20	A
Endrin aldehyde	67		62		30-150	7		20	A
Endrin ketone	56		72		30-150	**25**	Q	20	A
Dieldrin	71		73		30-150	2		20	A
4,4'-DDE	63		66		30-150	5		20	A
4,4'-DDD	68		71		30-150	5		20	A
4,4'-DDT	76		73		30-150	4		20	A
Endosulfan I	62		64		30-150	3		20	A
Endosulfan II	69		70		30-150	1		20	A
Endosulfan sulfate	67		68		30-150	0		20	A
Methoxychlor	89		85		30-150	4		20	A
cis-Chlordane	49		60		30-150	**21**	Q	20	A
trans-Chlordane	70		72		30-150	4		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1940105-2 WG1940105-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		54		30-150	A
Decachlorobiphenyl	63		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		60		30-150	B
Decachlorobiphenyl	70		66		30-150	B

METALS

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-01
Client ID: TW-1
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/20/24 09:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21.7		mg/l	0.0100	0.00327	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00233		mg/l	0.00050	0.00016	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Barium, Total	0.6747		mg/l	0.00050	0.00017	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Beryllium, Total	0.00227		mg/l	0.00050	0.00010	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Cadmium, Total	0.00028		mg/l	0.00020	0.00005	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Calcium, Total	42.0		mg/l	0.100	0.0394	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Chromium, Total	0.06840		mg/l	0.00100	0.00017	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.03649		mg/l	0.00050	0.00016	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Copper, Total	0.1240		mg/l	0.00100	0.00038	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Iron, Total	49.0		mg/l	0.0500	0.0191	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Lead, Total	0.05192		mg/l	0.00100	0.00034	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Magnesium, Total	34.9		mg/l	0.0700	0.0242	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Manganese, Total	2.894		mg/l	0.00100	0.00044	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/27/24 15:56	06/28/24 00:17	EPA 7470A	1,7470A	MJR
Nickel, Total	0.09609		mg/l	0.00200	0.00055	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Potassium, Total	14.6		mg/l	0.100	0.0309	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Selenium, Total	0.00872		mg/l	0.00500	0.00173	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Sodium, Total	52.3		mg/l	0.100	0.0293	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Thallium, Total	0.00117		mg/l	0.00100	0.00014	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.07314		mg/l	0.00500	0.00157	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB
Zinc, Total	0.1650		mg/l	0.01000	0.00341	1	06/27/24 13:35	06/27/24 19:12	EPA 3005A	1,6020B	NTB

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435415-02
Client ID: TW-2
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/20/24 12:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13.7		mg/l	0.0100	0.00327	1	06/27/24 13:35	06/28/24 06:57	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Arsenic, Total	0.00237		mg/l	0.00050	0.00016	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Barium, Total	0.2906		mg/l	0.00050	0.00017	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Beryllium, Total	0.00094		mg/l	0.00050	0.00010	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Cadmium, Total	0.00016	J	mg/l	0.00020	0.00005	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Calcium, Total	53.5		mg/l	0.100	0.0394	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Chromium, Total	0.03120		mg/l	0.00100	0.00017	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Cobalt, Total	0.02480		mg/l	0.00050	0.00016	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Copper, Total	0.07224		mg/l	0.00100	0.00038	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Iron, Total	27.9		mg/l	0.0500	0.0191	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Lead, Total	0.07070		mg/l	0.00100	0.00034	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Magnesium, Total	31.1		mg/l	0.0700	0.0242	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Manganese, Total	1.560		mg/l	0.00100	0.00044	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Mercury, Total	0.00045		mg/l	0.00020	0.00009	1	06/27/24 15:56	06/28/24 00:21	EPA 7470A	1,7470A	MJR
Nickel, Total	0.05096		mg/l	0.00200	0.00055	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Potassium, Total	10.9		mg/l	0.100	0.0309	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Selenium, Total	0.00440	J	mg/l	0.00500	0.00173	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Silver, Total	0.00038	J	mg/l	0.00040	0.00016	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Sodium, Total	70.7		mg/l	0.100	0.0293	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Thallium, Total	0.00049	J	mg/l	0.00100	0.00014	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Vanadium, Total	0.03797		mg/l	0.00500	0.00157	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB
Zinc, Total	0.08267		mg/l	0.01000	0.00341	1	06/27/24 13:35	06/27/24 19:36	EPA 3005A	1,6020B	NTB

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

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): 01-02 Batch: WG1940275-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	06/27/24 13:35	06/27/24 18:30	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1940281-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/27/24 15:56	06/27/24 23:51	1,7470A	MJR

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435415
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1940275-2								
Aluminum, Total	91		-		80-120	-		
Antimony, Total	90		-		80-120	-		
Arsenic, Total	99		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	97		-		80-120	-		
Cadmium, Total	99		-		80-120	-		
Calcium, Total	119		-		80-120	-		
Chromium, Total	107		-		80-120	-		
Cobalt, Total	113		-		80-120	-		
Copper, Total	99		-		80-120	-		
Iron, Total	113		-		80-120	-		
Lead, Total	107		-		80-120	-		
Magnesium, Total	107		-		80-120	-		
Manganese, Total	106		-		80-120	-		
Nickel, Total	108		-		80-120	-		
Potassium, Total	118		-		80-120	-		
Selenium, Total	91		-		80-120	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	116		-		80-120	-		
Thallium, Total	109		-		80-120	-		
Vanadium, Total	107		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435415

Report Date: 07/08/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1940275-2					
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1940281-2					
Mercury, Total	94	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

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): 01-02 QC Batch ID: WG1940275-3 QC Sample: L2435220-01 Client ID: MS Sample												
Aluminum, Total	0.019	2	1.84	91		-	-		75-125	-		20
Antimony, Total	0.0008J	0.5	0.4149	83		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.1104	92		-	-		75-125	-		20
Barium, Total	0.00033J	2	1.883	94		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.04799	96		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.04849	91		-	-		75-125	-		20
Calcium, Total	0.370	10	11.7	113		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.2009	100		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.5182	104		-	-		75-125	-		20
Copper, Total	0.00039J	0.25	0.2472	99		-	-		75-125	-		20
Iron, Total	0.059	1	1.09	103		-	-		75-125	-		20
Lead, Total	ND	0.53	0.5182	98		-	-		75-125	-		20
Magnesium, Total	0.090	10	9.82	97		-	-		75-125	-		20
Manganese, Total	0.00253	0.5	0.5038	100		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.4952	99		-	-		75-125	-		20
Potassium, Total	0.081J	10	10.7	107		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.114	95		-	-		75-125	-		20
Silver, Total	ND	0.05	0.04726	94		-	-		75-125	-		20
Sodium, Total	0.076J	10	11.0	110		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1155	96		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.5265	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

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): 01-02 QC Batch ID: WG1940275-3 QC Sample: L2435220-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4688	94	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1940281-3 QC Sample: L2435527-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00496	99	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1940275-4 QC Sample: L2435220-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	0.00033J	0.00034J	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.00039J	0.00057J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Manganese, Total	0.00253	0.00244	mg/l	3		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1940281-4 QC Sample: L2435527-02 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2435415-01A	Vial HCl preserved	B	NA		5.1	Y	Absent		NYTCL-8260(14)
L2435415-01B	Vial HCl preserved	B	NA		5.1	Y	Absent		NYTCL-8260(14)
L2435415-01C	Vial HCl preserved	B	NA		5.1	Y	Absent		NYTCL-8260(14)
L2435415-01D	Plastic 250ml HNO3 preserved	B	<2	<2	5.1	Y	Absent		FE-6020T(180),TL-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2435415-01E	Amber 100ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2435415-01F	Amber 100ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2435415-01G	Amber 120ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8082-LVI(365)
L2435415-01H	Amber 120ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8082-LVI(365)
L2435415-01I	Amber 120ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8081(7)
L2435415-01J	Amber 120ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8081(7)
L2435415-01K	Amber 250ml unpreserved	B	7	7	5.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2435415-01L	Amber 250ml unpreserved	B	7	7	5.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2435415-01M	Plastic 500ml unpreserved	B	NA		5.1	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2435415-01N	Plastic 500ml unpreserved	B	NA		5.1	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2435415-01O	Plastic 500ml unpreserved	B	NA		5.1	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2435415-01P	Plastic 250ml NaOH preserved	B	>12	>12	5.1	Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2435415-02A	Vial HCl preserved	B	NA		5.1	Y	Absent		NYTCL-8260(14)
L2435415-02B	Vial HCl preserved	B	NA		5.1	Y	Absent		NYTCL-8260(14)
L2435415-02C	Vial HCl preserved	B	NA		5.1	Y	Absent		NYTCL-8260(14)
L2435415-02D	Plastic 250ml HNO3 preserved	B	<2	<2	5.1	Y	Absent		TL-6020T(180),BA-6020T(180),FE-6020T(180),SE-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2435415-02E	Amber 100ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2435415-02F	Amber 100ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2435415-02G	Amber 120ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8082-LVI(365)
L2435415-02H	Amber 120ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8082-LVI(365)
L2435415-02I	Amber 120ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8081(7)
L2435415-02J	Amber 120ml unpreserved	B	7	7	5.1	Y	Absent		NYTCL-8081(7)
L2435415-02K	Amber 250ml unpreserved	B	7	7	5.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2435415-02L	Amber 250ml unpreserved	B	7	7	5.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2435415-02M	Plastic 500ml unpreserved	B	NA		5.1	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2435415-02N	Plastic 500ml unpreserved	B	NA		5.1	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2435415-02O	Plastic 500ml unpreserved	B	NA		5.1	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2435415-02P	Plastic 250ml NaOH preserved	B	>12	>12	5.1	Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

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: Not Specified
Project Number: 13542

Lab Number: L2435415
Report Date: 07/08/24

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:	Not Specified	**Lab Number:**	L2435415
Project Number:	13542	**Report Date:**	07/08/24

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:	Not Specified	**Lab Number:**	L2435415
Project Number:	13542	**Report Date:**	07/08/24

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:	Not Specified	**Lab Number:**	L2435415
Project Number:	13542	**Report Date:**	07/08/24

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:	Not Specified	**Lab Number:**	L2435415
Project Number:	13542	**Report Date:**	07/08/24

REFERENCES

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

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

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

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

Certification Information

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

Westborough Facility
EPA 624.1: 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
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 6/22/24

ALPHA Job #: L2435415

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: ↓
Project Location: 88 Gramercy Park E, New York NY
Project #: 13542
(Use Project name as Project #) ☐
Project Manager: James Vandervliet
ALPHAQuote #:

Turn-Around Time

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

Client Information

Client: SGS
Address: 959 US-46E Parsippany NJ
Phone: 973 808 0010
Fax:
Email: James.vandervliet@sgs.org, Jill@sgs.org

Deliverables

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

Regulatory Requirement

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

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs, SVOC	PCB	Pesticides	Total metals	Metals TAL Cyanide	PFAS (1633 NY-21)	1,4 Dioxane (8270 SIM)	Sample Specific Comments	Total Bottles
35415-01	TW-1	6/20/24	0930	GW	EQ	X	X	X	X	X	X	X		16
02	TW-2	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓

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

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

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

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/20/24		
[signature]	6/21/24	SSM	6-21-24 1638
SSM	6-21-24 1825	[signature]	6/21/24 18:42
[signature]	6/21/24	[signature]	6/21/24 2200
[signature]	6/22 0145	[signature]	6/22/24 0015

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

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

ANALYTICAL REPORT

Lab Number:	L2435416
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	James Vander Vliet
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	13542
Report Date:	07/08/24

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: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2435416-01	SB-5 (13.5-14)	SOIL	38 GRAMERCY PARK E, NEW YORK NY	06/21/24 10:30	06/21/24
L2435416-02	SB-6 (12-12.5)	SOIL	38 GRAMERCY PARK E, NEW YORK NY	06/21/24 15:15	06/21/24
L2435416-03	SB-4 (10.5-11)	SOIL	38 GRAMERCY PARK E, NEW YORK NY	06/21/24 11:00	06/21/24
L2435416-04	SB-7 (4-4.5)	SOIL	38 GRAMERCY PARK E, NEW YORK NY	06/21/24 14:00	06/21/24

Project Name:	Not Specified	**Lab Number:**	L2435416
Project Number:	13542	**Report Date:**	07/08/24

Case Narrative

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

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

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

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

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

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

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

Case Narrative (continued)

Report Submission

July 08, 2024: This final report includes the results of all requested analyses.

July 01, 2024: 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.

Perfluorinated Alkyl Acids by 1633

L2435416-01R and WG1942903-2R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

L2435416-01R: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

PCBs

The surrogate recoveries for the WG1940988-1 Method Blank, associated with L2435416-01 through -04, are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (29%) and decachlorobiphenyl (29%). The associated samples are non-detect and have acceptable surrogate recoveries; therefore, no further actions were taken.

Total Metals

L2435416-01 through -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

Cyanide, Total

The WG1940491-2 LCS recovery for cyanide, total (74%), associated with L2435416-01 through -04, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 07/08/24

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 10:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/27/24 03:13
Analyst: JIC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01 Date Collected: 06/21/24 10:30

Client ID: SB-5 (13.5-14) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.20	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01 Date Collected: 06/21/24 10:30

Client ID: SB-5 (13.5-14) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.20	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02
Client ID: SB-6 (12-12.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 15:15
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/27/24 03:34
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.2	3.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.24	1
Chloroform	ND		ug/kg	2.5	0.23	1
Carbon tetrachloride	ND		ug/kg	1.6	0.38	1
1,2-Dichloropropane	ND		ug/kg	1.6	0.20	1
Dibromochloromethane	ND		ug/kg	1.6	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.44	1
Tetrachloroethene	ND		ug/kg	0.82	0.32	1
Chlorobenzene	ND		ug/kg	0.82	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.6	1.1	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.42	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	0.27	1
Bromodichloromethane	ND		ug/kg	0.82	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.45	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	0.26	1
1,1-Dichloropropene	ND		ug/kg	0.82	0.26	1
Bromoform	ND		ug/kg	6.6	0.40	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	0.27	1
Benzene	ND		ug/kg	0.82	0.27	1
Toluene	ND		ug/kg	1.6	0.89	1
Ethylbenzene	ND		ug/kg	1.6	0.23	1
Chloromethane	ND		ug/kg	6.6	1.5	1
Bromomethane	ND		ug/kg	3.3	0.95	1
Vinyl chloride	ND		ug/kg	1.6	0.55	1
Chloroethane	ND		ug/kg	3.3	0.74	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.39	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.22	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02 Date Collected: 06/21/24 15:15

Client ID: SB-6 (12-12.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.82	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.28	1
Methyl tert butyl ether	ND		ug/kg	3.3	0.33	1
p/m-Xylene	ND		ug/kg	3.3	0.92	1
o-Xylene	ND		ug/kg	1.6	0.48	1
Xylenes, Total	ND		ug/kg	1.6	0.48	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	3.3	0.39	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	16	1.5	1
Acetone	27		ug/kg	16	7.9	1
Carbon disulfide	ND		ug/kg	16	7.5	1
2-Butanone	5.6	J	ug/kg	16	3.6	1
Vinyl acetate	ND		ug/kg	16	3.5	1
4-Methyl-2-pentanone	ND		ug/kg	16	2.1	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	0.21	1
2-Hexanone	ND		ug/kg	16	1.9	1
Bromochloromethane	ND		ug/kg	3.3	0.34	1
2,2-Dichloropropane	ND		ug/kg	3.3	0.33	1
1,2-Dibromoethane	ND		ug/kg	1.6	0.46	1
1,3-Dichloropropane	ND		ug/kg	3.3	0.27	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	0.22	1
Bromobenzene	ND		ug/kg	3.3	0.24	1
n-Butylbenzene	ND		ug/kg	1.6	0.27	1
sec-Butylbenzene	ND		ug/kg	1.6	0.24	1
tert-Butylbenzene	ND		ug/kg	3.3	0.19	1
o-Chlorotoluene	ND		ug/kg	3.3	0.31	1
p-Chlorotoluene	ND		ug/kg	3.3	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	1.6	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.28	1
Isopropylbenzene	ND		ug/kg	1.6	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.18	1
Naphthalene	ND		ug/kg	6.6	1.1	1
Acrylonitrile	ND		ug/kg	6.6	1.9	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02
Client ID: SB-6 (12-12.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 15:15
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.6	0.28	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	0.53	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.45	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	0.32	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	0.55	1
1,4-Dioxane	ND		ug/kg	130	58.	1
p-Diethylbenzene	ND		ug/kg	3.3	0.29	1
p-Ethyltoluene	ND		ug/kg	3.3	0.63	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.3	0.31	1
Ethyl ether	ND		ug/kg	3.3	0.56	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.2	2.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03
Client ID: SB-4 (10.5-11)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 11:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/27/24 03:55
Analyst: JIC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03 Date Collected: 06/21/24 11:00

Client ID: SB-4 (10.5-11) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	0.75	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.75	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	24		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	2.9	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03 Date Collected: 06/21/24 11:00

Client ID: SB-4 (10.5-11) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04
Client ID: SB-7 (4-4.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 14:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/27/24 04:15
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04 Date Collected: 06/21/24 14:00

Client ID: SB-7 (4-4.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.68	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
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	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	ND		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.89	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04 Date Collected: 06/21/24 14:00

Client ID: SB-7 (4-4.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.46	1
1,4-Dioxane	ND		ug/kg	110	48.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	1.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/26/24 21:16
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1940163-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.48	J	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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/26/24 21:16
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1940163-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
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
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/26/24 21:16
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1940163-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	0.42	J	ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

Total TIC Compounds	6.84	J	ug/kg
Unknown Alkene	2.05	J	ug/kg
Unknown Organic Acid	2.46	J	ug/kg
Unknown Alkene	2.33	J	ug/kg

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/26/24 21:16
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1940163-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1940163-3 WG1940163-4								
Methylene chloride	101		104		70-130	3		30
1,1-Dichloroethane	95		99		70-130	4		30
Chloroform	94		96		70-130	2		30
Carbon tetrachloride	94		97		70-130	3		30
1,2-Dichloropropane	93		95		70-130	2		30
Dibromochloromethane	84		87		70-130	4		30
1,1,2-Trichloroethane	88		92		70-130	4		30
Tetrachloroethene	97		98		70-130	1		30
Chlorobenzene	92		93		70-130	1		30
Trichlorofluoromethane	105		106		70-139	1		30
1,2-Dichloroethane	92		96		70-130	4		30
1,1,1-Trichloroethane	95		98		70-130	3		30
Bromodichloromethane	89		93		70-130	4		30
trans-1,3-Dichloropropene	88		91		70-130	3		30
cis-1,3-Dichloropropene	89		94		70-130	5		30
1,1-Dichloropropene	98		99		70-130	1		30
Bromoform	80		84		70-130	5		30
1,1,2,2-Tetrachloroethane	80		83		70-130	4		30
Benzene	92		94		70-130	2		30
Toluene	89		90		70-130	1		30
Ethylbenzene	96		96		70-130	0		30
Chloromethane	93		94		52-130	1		30
Bromomethane	108		110		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1940163-3 WG1940163-4								
Vinyl chloride	99		99		67-130	0		30
Chloroethane	105		106		50-151	1		30
1,1-Dichloroethene	99		100		65-135	1		30
trans-1,2-Dichloroethene	97		98		70-130	1		30
Trichloroethene	99		102		70-130	3		30
1,2-Dichlorobenzene	93		93		70-130	0		30
1,3-Dichlorobenzene	95		95		70-130	0		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	94		98		66-130	4		30
p/m-Xylene	95		96		70-130	1		30
o-Xylene	95		97		70-130	2		30
cis-1,2-Dichloroethene	93		95		70-130	2		30
Dibromomethane	89		94		70-130	5		30
Styrene	92		95		70-130	3		30
Dichlorodifluoromethane	89		90		30-146	1		30
Acetone	90		103		54-140	13		30
Carbon disulfide	100		101		59-130	1		30
2-Butanone	77		82		70-130	6		30
Vinyl acetate	77		81		70-130	5		30
4-Methyl-2-pentanone	77		84		70-130	9		30
1,2,3-Trichloropropane	85		89		68-130	5		30
2-Hexanone	75		80		70-130	6		30
Bromochloromethane	92		96		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1940163-3 WG1940163-4								
2,2-Dichloropropane	92		94		70-130	2		30
1,2-Dibromoethane	86		89		70-130	3		30
1,3-Dichloropropane	90		93		69-130	3		30
1,1,1,2-Tetrachloroethane	91		92		70-130	1		30
Bromobenzene	91		90		70-130	1		30
n-Butylbenzene	104		103		70-130	1		30
sec-Butylbenzene	100		99		70-130	1		30
tert-Butylbenzene	97		96		70-130	1		30
o-Chlorotoluene	97		98		70-130	1		30
p-Chlorotoluene	96		95		70-130	1		30
1,2-Dibromo-3-chloropropane	75		82		68-130	9		30
Hexachlorobutadiene	105		104		67-130	1		30
Isopropylbenzene	98		96		70-130	2		30
p-Isopropyltoluene	100		100		70-130	0		30
Naphthalene	87		91		70-130	4		30
Acrylonitrile	84		90		70-130	7		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	96		99		70-130	3		30
1,2,4-Trichlorobenzene	98		99		70-130	1		30
1,3,5-Trimethylbenzene	97		97		70-130	0		30
1,2,4-Trimethylbenzene	96		97		70-130	1		30
1,4-Dioxane	89		100		65-136	12		30
p-Diethylbenzene	100		100		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1940163-3 WG1940163-4								
p-Ethyltoluene	99		98		70-130	1		30
1,2,4,5-Tetramethylbenzene	95		97		70-130	2		30
Ethyl ether	96		100		67-130	4		30
trans-1,4-Dichloro-2-butene	81		85		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		104		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	101		102		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 10:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/29/24 17:45
Analyst: IM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01 Date Collected: 06/21/24 10:30

Client ID: SB-5 (13.5-14) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 10:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1
Tentatively Identified Compounds						
Total TIC Compounds	473	J	ug/kg			1
Unknown Organic Acid	291	J	ug/kg			1
Unknown Organic Acid	182	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	105		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	120		10-136
4-Terphenyl-d14	114		18-120

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01 R
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 10:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 07/05/24 16:24
Analyst: AC
Percent Solids: 84%

Extraction Method: EPA 1633
Extraction Date: 07/03/24 14:30
Cleanup Method: EPA 1633
Cleanup Date: 07/04/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.790	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.395	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.198	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.198	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.198	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.198	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.198	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.61		ng/g	0.790	0.277	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.198	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.198	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.132	J	ng/g	0.198	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.198	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.790	0.383	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.198	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.198	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.198	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.198	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.198	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.198	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.198	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.198	0.105	1
PFOA/PFOS, Total	0.132	J	ng/g	0.198	0.051	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01 R
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 10:30
Date Received: 06/21/24
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)	79		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	97		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	82		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	91		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	72		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	91		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	80		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	72		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	**166**	Q	10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	78		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	75		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	91		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	65		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	49		15-109

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02
Client ID: SB-6 (12-12.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 15:15
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/29/24 18:03
Analyst: IM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	63.	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02 Date Collected: 06/21/24 15:15

Client ID: SB-6 (12-12.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02 Date Collected: 06/21/24 15:15

Client ID: SB-6 (12-12.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	110		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	105		30-120
2,4,6-Tribromophenol	122		10-136
4-Terphenyl-d14	**121**	Q	18-120

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02
Client ID: SB-6 (12-12.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 15:15
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 07/05/24 12:19
Analyst: AC
Percent Solids: 89%

Extraction Method: EPA 1633
Extraction Date: 07/03/24 14:30
Cleanup Method: EPA 1633
Cleanup Date: 07/04/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.794	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.397	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.198	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.198	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.198	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.198	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.198	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.794	0.278	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.198	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.198	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.086	J	ng/g	0.198	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.198	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.794	0.384	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.198	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.198	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.198	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.198	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.198	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.198	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.198	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.198	0.106	1
PFOA/PFOS, Total	0.086	J	ng/g	0.198	0.052	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02 Date Collected: 06/21/24 15:15

Client ID: SB-6 (12-12.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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)	66		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	70		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	76		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	69		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	72		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	67		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	119		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	82		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57		15-109

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03
Client ID: SB-4 (10.5-11)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 11:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/29/24 18:21
Analyst: IM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03 Date Collected: 06/21/24 11:00

Client ID: SB-4 (10.5-11) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03 Date Collected: 06/21/24 11:00

Client ID: SB-4 (10.5-11) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	110		10-136
4-Terphenyl-d14	112		18-120

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03
Client ID: SB-4 (10.5-11)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 11:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 07/05/24 12:32
Analyst: AC
Percent Solids: 85%

Extraction Method: EPA 1633
Extraction Date: 07/03/24 14:30
Cleanup Method: EPA 1633
Cleanup Date: 07/04/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.795	0.050	1
Perfluoropentanoic Acid (PFPeA)	0.057	J	ng/g	0.397	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
Perfluorohexanoic Acid (PFHxA)	0.049	J	ng/g	0.199	0.046	1
Perfluoroheptanoic Acid (PFHpA)	0.030	J	ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.795	0.278	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.143	J	ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.795	0.385	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
PFOA/PFOS, Total	0.143	J	ng/g	0.199	0.052	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03 Date Collected: 06/21/24 11:00

Client ID: SB-4 (10.5-11) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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)	74		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	75		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	74		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	89		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	61		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	145		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	73		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	83		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	50		15-109

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04
Client ID: SB-7 (4-4.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 14:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/29/24 18:39
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 18:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04 Date Collected: 06/21/24 14:00

Client ID: SB-7 (4-4.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	20	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04 Date Collected: 06/21/24 14:00

Client ID: SB-7 (4-4.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	522	J	ug/kg			1
Unknown Organic Acid	331	J	ug/kg			1
Unknown Organic Acid	191	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	109		18-120

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04
Client ID: SB-7 (4-4.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 14:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 07/05/24 12:45
Analyst: AC
Percent Solids: 87%

Extraction Method: EPA 1633
Extraction Date: 07/03/24 14:30
Cleanup Method: EPA 1633
Cleanup Date: 07/04/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.797	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.399	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.85		ng/g	0.797	0.279	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.087	J	ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.797	0.386	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
PFOA/PFOS, Total	0.087	J	ng/g	0.199	0.052	1

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04 Date Collected: 06/21/24 14:00

Client ID: SB-7 (4-4.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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)	79		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	100		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	89		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	91		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	89		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	74		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	100		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	77		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	58		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	137		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	70		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	72		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	91		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	68		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	50		15-109

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/29/24 12:43
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/28/24 18:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1941032-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/29/24 12:43
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/28/24 18:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1941032-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	31.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	19.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/29/24 12:43
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/28/24 18:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1941032-1					
4-Nitrophenol	ND		ug/kg	220	66.
2,4-Dinitrophenol	ND		ug/kg	770	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	77.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	49.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	108		18-120

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/05/24 07:18
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 07/03/24 14:30
Cleanup Method: EPA 1633
Cleanup Date: 07/04/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-04 Batch: WG1942903-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
PFOA/PFOS, Total	ND		ng/g	0.200	0.052

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/05/24 07:18
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 07/03/24 14:30
Cleanup Method: EPA 1633
Cleanup Date: 07/04/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-04 Batch: WG1942903-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	77		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	82		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	89		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	89		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	74		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	96		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	75		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	80		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	81		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	116		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	61		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	45		15-109

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1941032-2 WG1941032-3								
Acenaphthene	94		93		31-137	1		50
1,2,4-Trichlorobenzene	93		92		38-107	1		50
Hexachlorobenzene	100		99		40-140	1		50
Bis(2-chloroethyl)ether	90		90		40-140	0		50
2-Chloronaphthalene	95		96		40-140	1		50
1,2-Dichlorobenzene	86		84		40-140	2		50
1,3-Dichlorobenzene	84		83		40-140	1		50
1,4-Dichlorobenzene	84		85		28-104	1		50
3,3'-Dichlorobenzidine	91		92		40-140	1		50
2,4-Dinitrotoluene	102		103		40-132	1		50
2,6-Dinitrotoluene	103		105		40-140	2		50
Fluoranthene	102		99		40-140	3		50
4-Chlorophenyl phenyl ether	110		109		40-140	1		50
4-Bromophenyl phenyl ether	108		108		40-140	0		50
Bis(2-chloroisopropyl)ether	82		82		40-140	0		50
Bis(2-chloroethoxy)methane	98		98		40-117	0		50
Hexachlorobutadiene	120		120		40-140	0		50
Hexachlorocyclopentadiene	111		110		40-140	1		50
Hexachloroethane	93		90		40-140	3		50
Isophorone	93		92		40-140	1		50
Naphthalene	91		90		40-140	1		50
Nitrobenzene	94		93		40-140	1		50
NDPA/DPA	96		95		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1941032-2 WG1941032-3								
n-Nitrosodi-n-propylamine	100		99		32-121	1		50
Bis(2-ethylhexyl)phthalate	103		102		40-140	1		50
Butyl benzyl phthalate	111		107		40-140	4		50
Di-n-butylphthalate	105		102		40-140	3		50
Di-n-octylphthalate	112		109		40-140	3		50
Diethyl phthalate	101		98		40-140	3		50
Dimethyl phthalate	98		98		40-140	0		50
Benzo(a)anthracene	104		103		40-140	1		50
Benzo(a)pyrene	117		113		40-140	3		50
Benzo(b)fluoranthene	105		105		40-140	0		50
Benzo(k)fluoranthene	115		110		40-140	4		50
Chrysene	105		101		40-140	4		50
Acenaphthylene	94		93		40-140	1		50
Anthracene	100		99		40-140	1		50
Benzo(ghi)perylene	107		108		40-140	1		50
Fluorene	96		94		40-140	2		50
Phenanthrene	95		93		40-140	2		50
Dibenzo(a,h)anthracene	102		104		40-140	2		50
Indeno(1,2,3-cd)pyrene	108		107		40-140	1		50
Pyrene	102		100		35-142	2		50
Biphenyl	92		91		37-127	1		50
4-Chloroaniline	77		74		40-140	4		50
2-Nitroaniline	101		102		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1941032-2 WG1941032-3								
3-Nitroaniline	74		76		26-129	3		50
4-Nitroaniline	87		82		41-125	6		50
Dibenzofuran	93		92		40-140	1		50
2-Methylnaphthalene	96		95		40-140	1		50
1,2,4,5-Tetrachlorobenzene	108		107		40-117	1		50
Acetophenone	93		93		14-144	0		50
2,4,6-Trichlorophenol	110		109		30-130	1		50
p-Chloro-m-cresol	103		103		26-103	0		50
2-Chlorophenol	94		92		25-102	2		50
2,4-Dichlorophenol	92		91		30-130	1		50
2,4-Dimethylphenol	91		92		30-130	1		50
2-Nitrophenol	96		97		30-130	1		50
4-Nitrophenol	97		95		11-114	2		50
2,4-Dinitrophenol	93		95		4-130	2		50
4,6-Dinitro-o-cresol	113		111		10-130	2		50
Pentachlorophenol	98		96		17-109	2		50
Phenol	**98**	Q	**97**	Q	26-90	1		50
2-Methylphenol	92		93		30-130.	1		50
3-Methylphenol/4-Methylphenol	91		89		30-130	2		50
2,4,5-Trichlorophenol	110		108		30-130	2		50
Benzoic Acid	98		93		10-110	5		50
Benzyl Alcohol	100		102		40-140	2		50
Carbazole	95		92		54-128	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1941032-2 WG1941032-3								
1,4-Dioxane	63		62		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	100		102		25-120
Phenol-d6	98		99		10-120
Nitrobenzene-d5	92		91		23-120
2-Fluorobiphenyl	95		96		30-120
2,4,6-Tribromophenol	101		102		10-136
4-Terphenyl-d14	102		101		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

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): 01-04 Batch: WG1942903-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	128		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	139		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	136		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	138		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	136		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	127		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	144		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	129		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	122		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	119		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	145		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	144		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	140		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	125		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	142		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	119		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	129		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	132		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	139		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	118		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	130		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

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): 01-04 Batch: WG1942903-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84				48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	77				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	97				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	80				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	79				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	87				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	151				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	77				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	94				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	67				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	49				15-109

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1942903-3								
Perfluorobutanoic Acid (PFBA)	114		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	123		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	114		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	117		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	113		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	107		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	120		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	113		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	128		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	108		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	112		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	115		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	121		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	112		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	103		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	108		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	108		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	93		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	131		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1942903-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	98				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86				48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	89				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	89				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	79				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	109				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	80				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	144				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	78				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	89				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	34				15-109

PCBS

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 10:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/29/24 10:35
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 16:16
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.2	5.17	1	A
Aroclor 1221	ND		ug/kg	58.2	5.84	1	A
Aroclor 1232	ND		ug/kg	58.2	12.3	1	A
Aroclor 1242	ND		ug/kg	58.2	7.85	1	A
Aroclor 1248	ND		ug/kg	58.2	8.74	1	A
Aroclor 1254	ND		ug/kg	58.2	6.37	1	A
Aroclor 1260	ND		ug/kg	58.2	10.8	1	A
Aroclor 1262	ND		ug/kg	58.2	7.40	1	A
Aroclor 1268	ND		ug/kg	58.2	6.03	1	A
PCBs, Total	ND		ug/kg	58.2	5.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02
Client ID: SB-6 (12-12.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 15:15
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/29/24 10:43
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 16:16
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.2	4.81	1	A
Aroclor 1221	ND		ug/kg	54.2	5.43	1	A
Aroclor 1232	ND		ug/kg	54.2	11.5	1	A
Aroclor 1242	ND		ug/kg	54.2	7.30	1	A
Aroclor 1248	ND		ug/kg	54.2	8.12	1	A
Aroclor 1254	ND		ug/kg	54.2	5.92	1	A
Aroclor 1260	ND		ug/kg	54.2	10.0	1	A
Aroclor 1262	ND		ug/kg	54.2	6.88	1	A
Aroclor 1268	ND		ug/kg	54.2	5.61	1	A
PCBs, Total	ND		ug/kg	54.2	4.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03
Client ID: SB-4 (10.5-11)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 11:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/29/24 10:51
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 16:16
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.6	5.03	1	A
Aroclor 1221	ND		ug/kg	56.6	5.67	1	A
Aroclor 1232	ND		ug/kg	56.6	12.0	1	A
Aroclor 1242	ND		ug/kg	56.6	7.63	1	A
Aroclor 1248	ND		ug/kg	56.6	8.50	1	A
Aroclor 1254	ND		ug/kg	56.6	6.20	1	A
Aroclor 1260	ND		ug/kg	56.6	10.5	1	A
Aroclor 1262	ND		ug/kg	56.6	7.19	1	A
Aroclor 1268	ND		ug/kg	56.6	5.87	1	A
PCBs, Total	ND		ug/kg	56.6	5.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04
Client ID: SB-7 (4-4.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 14:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/29/24 10:59
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 16:16
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.8	5.05	1	A
Aroclor 1221	ND		ug/kg	56.8	5.70	1	A
Aroclor 1232	ND		ug/kg	56.8	12.0	1	A
Aroclor 1242	ND		ug/kg	56.8	7.66	1	A
Aroclor 1248	ND		ug/kg	56.8	8.52	1	A
Aroclor 1254	ND		ug/kg	56.8	6.22	1	A
Aroclor 1260	ND		ug/kg	56.8	10.5	1	A
Aroclor 1262	ND		ug/kg	56.8	7.22	1	A
Aroclor 1268	ND		ug/kg	56.8	5.89	1	A
PCBs, Total	ND		ug/kg	56.8	5.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/29/24 08:27
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 06/28/24 16:16
Cleanup Method: EPA 3665A
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1940988-1						
Aroclor 1016	ND		ug/kg	47.1	4.18	A
Aroclor 1221	ND		ug/kg	47.1	4.72	A
Aroclor 1232	ND		ug/kg	47.1	9.98	A
Aroclor 1242	ND		ug/kg	47.1	6.35	A
Aroclor 1248	ND		ug/kg	47.1	7.06	A
Aroclor 1254	ND		ug/kg	47.1	5.15	A
Aroclor 1260	ND		ug/kg	47.1	8.70	A
Aroclor 1262	ND		ug/kg	47.1	5.98	A
Aroclor 1268	ND		ug/kg	47.1	4.88	A
PCBs, Total	ND		ug/kg	47.1	4.18	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**29**	Q	30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	31		30-150	B
Decachlorobiphenyl	32		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1940988-2 WG1940988-3									
Aroclor 1016	83		80		40-140	4		50	A
Aroclor 1260	82		78		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		74		30-150	A
Decachlorobiphenyl	81		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	B
Decachlorobiphenyl	84		83		30-150	B

PESTICIDES

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 10:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/29/24 12:14
Analyst: MMG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 06:15
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.774	0.346	1	A
Alpha-BHC	ND		ug/kg	0.774	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.704	1	A
Heptachlor	ND		ug/kg	0.929	0.416	1	A
Aldrin	ND		ug/kg	1.86	0.654	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.774	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.813	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	ND		ug/kg	1.16	0.581	1	A
4,4'-DDE	ND		ug/kg	1.86	0.430	1	A
4,4'-DDD	ND		ug/kg	1.86	0.663	1	A
4,4'-DDT	ND		ug/kg	1.86	1.49	1	A
Endosulfan I	ND		ug/kg	1.86	0.439	1	A
Endosulfan II	ND		ug/kg	1.86	0.621	1	A
Endosulfan sulfate	ND		ug/kg	0.774	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.75	1	A
cis-Chlordane	ND		ug/kg	2.32	0.647	1	A
trans-Chlordane	ND		ug/kg	2.32	0.613	1	A
Chlordane	ND		ug/kg	15.5	6.15	1	A

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01 Date Collected: 06/21/24 10:30

Client ID: SB-5 (13.5-14) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	58		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02
Client ID: SB-6 (12-12.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 15:15
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/30/24 08:04
Analyst: AKM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 06:15
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	B
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	ND		ug/kg	1.73	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02 Date Collected: 06/21/24 15:15

Client ID: SB-6 (12-12.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	61		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03
Client ID: SB-4 (10.5-11)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 11:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/29/24 12:38
Analyst: MMG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 06:15
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.767	0.343	1	A
Alpha-BHC	ND		ug/kg	0.767	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.698	1	A
Heptachlor	ND		ug/kg	0.921	0.413	1	A
Aldrin	ND		ug/kg	1.84	0.648	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.04	1	A
Endrin	ND		ug/kg	0.767	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.806	1	A
Endrin ketone	ND		ug/kg	1.84	0.474	1	A
Dieldrin	ND		ug/kg	1.15	0.575	1	A
4,4'-DDE	ND		ug/kg	1.84	0.426	1	A
4,4'-DDD	ND		ug/kg	1.84	0.657	1	A
4,4'-DDT	ND		ug/kg	1.84	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.435	1	A
Endosulfan II	ND		ug/kg	1.84	0.615	1	A
Endosulfan sulfate	ND		ug/kg	0.767	0.365	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.67	1	A
cis-Chlordane	ND		ug/kg	2.30	0.641	1	A
trans-Chlordane	ND		ug/kg	2.30	0.608	1	A
Chlordane	ND		ug/kg	15.3	6.10	1	A

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03 Date Collected: 06/21/24 11:00

Client ID: SB-4 (10.5-11) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	57		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04
Client ID: SB-7 (4-4.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 14:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/29/24 12:50
Analyst: MMG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/28/24 06:15
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.672	1	A
Heptachlor	ND		ug/kg	0.886	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.624	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.997	1	A
Endrin	ND		ug/kg	0.738	0.303	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.775	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	ND		ug/kg	1.11	0.554	1	A
4,4'-DDE	3.15		ug/kg	1.77	0.410	1	B
4,4'-DDD	ND		ug/kg	1.77	0.632	1	B
4,4'-DDT	6.68		ug/kg	1.77	1.42	1	B
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.592	1	A
Endosulfan sulfate	ND		ug/kg	0.738	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.30	1	A
cis-Chlordane	ND		ug/kg	2.21	0.617	1	A
trans-Chlordane	ND		ug/kg	2.21	0.585	1	A
Chlordane	ND		ug/kg	14.8	5.87	1	A

Project Name: Not Specified **Lab Number:** L2435416

Project Number: 13542 **Report Date:** 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04 Date Collected: 06/21/24 14:00

Client ID: SB-7 (4-4.5) Date Received: 06/21/24

Sample Location: 38 GRAMERCY PARK E, NEW YORK NY 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	61		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/28/24 08:49
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 06/27/24 13:37
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1940369-1						
Delta-BHC	ND		ug/kg	1.59	0.312	A
Lindane	ND		ug/kg	0.663	0.296	A
Alpha-BHC	ND		ug/kg	0.663	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.603	A
Heptachlor	ND		ug/kg	0.796	0.357	A
Aldrin	ND		ug/kg	1.59	0.560	A
Heptachlor epoxide	ND		ug/kg	2.98	0.895	A
Endrin	ND		ug/kg	0.663	0.272	A
Endrin aldehyde	ND		ug/kg	1.99	0.696	A
Endrin ketone	ND		ug/kg	1.59	0.410	A
Dieldrin	ND		ug/kg	0.995	0.497	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.568	A
4,4'-DDT	ND		ug/kg	1.59	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.376	A
Endosulfan II	ND		ug/kg	1.59	0.532	A
Endosulfan sulfate	ND		ug/kg	0.663	0.316	A
Methoxychlor	ND		ug/kg	2.98	0.928	A
Toxaphene	ND		ug/kg	29.8	8.36	A
cis-Chlordane	ND		ug/kg	1.99	0.554	A
trans-Chlordane	ND		ug/kg	1.99	0.525	A
Chlordane	ND		ug/kg	13.3	5.27	A

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/28/24 08:49
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 06/27/24 13:37
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1940369-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1940369-2 WG1940369-3									
Delta-BHC	80		86		30-150	7		30	A
Lindane	74		82		30-150	10		30	A
Alpha-BHC	77		86		30-150	11		30	A
Beta-BHC	74		82		30-150	10		30	A
Heptachlor	73		82		30-150	12		30	A
Aldrin	71		80		30-150	12		30	A
Heptachlor epoxide	66		73		30-150	10		30	A
Endrin	77		85		30-150	10		30	A
Endrin aldehyde	66		72		30-150	9		30	A
Endrin ketone	78		84		30-150	7		30	A
Dieldrin	80		89		30-150	11		30	A
4,4'-DDE	71		79		30-150	11		30	A
4,4'-DDD	78		87		30-150	11		30	A
4,4'-DDT	80		89		30-150	11		30	A
Endosulfan I	71		79		30-150	11		30	A
Endosulfan II	76		84		30-150	10		30	A
Endosulfan sulfate	68		76		30-150	11		30	A
Methoxychlor	87		97		30-150	11		30	A
cis-Chlordane	68		75		30-150	10		30	A
trans-Chlordane	78		87		30-150	11		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1940369-2 WG1940369-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		71		30-150	A
Decachlorobiphenyl	65		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		79		30-150	B
Decachlorobiphenyl	76		84		30-150	B

METALS

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 10:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	3740		mg/kg	9.31	2.51	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.66	0.354	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Arsenic, Total	0.849	J	mg/kg	0.931	0.194	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Barium, Total	31.0		mg/kg	0.931	0.162	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.321	J	mg/kg	0.466	0.031	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.931	0.091	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Calcium, Total	956		mg/kg	9.31	3.26	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Chromium, Total	11.2		mg/kg	0.931	0.089	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.70		mg/kg	1.86	0.154	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Copper, Total	19.7		mg/kg	0.931	0.240	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Iron, Total	8920		mg/kg	4.66	0.841	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Lead, Total	4.41	J	mg/kg	4.66	0.250	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Magnesium, Total	2290		mg/kg	9.31	1.43	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Manganese, Total	117		mg/kg	0.931	0.148	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.080	0.052	1	06/27/24 01:11	06/28/24 10:28	EPA 7471B	1,7471B	MJR
Nickel, Total	10.6		mg/kg	2.33	0.225	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Potassium, Total	1160		mg/kg	233	13.4	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.86	0.240	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.466	0.264	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Sodium, Total	91.7	J	mg/kg	186	2.93	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.86	0.293	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Vanadium, Total	18.1		mg/kg	0.931	0.189	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC
Zinc, Total	19.6		mg/kg	4.66	0.273	2	06/27/24 00:15	06/27/24 20:24	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02
Client ID: SB-6 (12-12.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 15:15
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	4550		mg/kg	8.68	2.34	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.34	0.330	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Arsenic, Total	0.798	J	mg/kg	0.868	0.180	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Barium, Total	29.5		mg/kg	0.868	0.151	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.374	J	mg/kg	0.434	0.029	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.868	0.085	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Calcium, Total	2030		mg/kg	8.68	3.04	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Chromium, Total	14.9		mg/kg	0.868	0.083	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.36		mg/kg	1.74	0.144	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Copper, Total	15.2		mg/kg	0.868	0.224	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Iron, Total	6160		mg/kg	4.34	0.784	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Lead, Total	12.1		mg/kg	4.34	0.232	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Magnesium, Total	2410		mg/kg	8.68	1.34	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Manganese, Total	90.3		mg/kg	0.868	0.138	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.071	0.046	1	06/27/24 01:11	06/28/24 11:34	EPA 7471B	1,7471B	MJR
Nickel, Total	9.92		mg/kg	2.17	0.210	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Potassium, Total	527		mg/kg	217	12.5	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.74	0.224	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.434	0.246	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Sodium, Total	66.5	J	mg/kg	174	2.73	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.74	0.273	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Vanadium, Total	18.8		mg/kg	0.868	0.176	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC
Zinc, Total	25.7		mg/kg	4.34	0.254	2	06/27/24 00:15	06/27/24 20:31	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03
Client ID: SB-4 (10.5-11)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 11:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4540		mg/kg	9.09	2.46	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.55	0.346	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.90		mg/kg	0.909	0.189	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Barium, Total	32.6		mg/kg	0.909	0.158	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.374	J	mg/kg	0.455	0.030	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.909	0.089	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Calcium, Total	1420		mg/kg	9.09	3.18	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Chromium, Total	13.5		mg/kg	0.909	0.087	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Cobalt, Total	5.11		mg/kg	1.82	0.151	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Copper, Total	18.6		mg/kg	0.909	0.235	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Iron, Total	10800		mg/kg	4.55	0.821	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Lead, Total	5.29		mg/kg	4.55	0.244	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Magnesium, Total	2380		mg/kg	9.09	1.40	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Manganese, Total	116		mg/kg	0.909	0.145	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.076	0.049	1	06/27/24 01:11	06/28/24 11:38	EPA 7471B	1,7471B	MJR
Nickel, Total	13.1		mg/kg	2.27	0.220	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Potassium, Total	806		mg/kg	227	13.1	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.82	0.235	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.455	0.257	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Sodium, Total	192		mg/kg	182	2.86	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.82	0.286	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Vanadium, Total	18.1		mg/kg	0.909	0.185	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC
Zinc, Total	27.2		mg/kg	4.55	0.266	2	06/27/24 00:15	06/27/24 20:37	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04
Client ID: SB-7 (4-4.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY
Date Collected: 06/21/24 14:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	7420		mg/kg	8.95	2.42	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.47	0.340	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.16		mg/kg	0.895	0.186	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Barium, Total	51.7		mg/kg	0.895	0.156	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.522		mg/kg	0.447	0.030	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.895	0.088	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Calcium, Total	1020		mg/kg	8.95	3.13	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Chromium, Total	20.2		mg/kg	0.895	0.086	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Cobalt, Total	6.41		mg/kg	1.79	0.148	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Copper, Total	19.5		mg/kg	0.895	0.231	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Iron, Total	10200		mg/kg	4.47	0.808	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Lead, Total	7.86		mg/kg	4.47	0.240	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Magnesium, Total	3080		mg/kg	8.95	1.38	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Manganese, Total	162		mg/kg	0.895	0.142	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.077	0.050	1	06/27/24 01:11	06/28/24 11:41	EPA 7471B	1,7471B	MJR
Nickel, Total	15.6		mg/kg	2.24	0.216	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Potassium, Total	1120		mg/kg	224	12.9	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.79	0.231	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.447	0.253	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Sodium, Total	69.4	J	mg/kg	179	2.82	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.79	0.282	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Vanadium, Total	23.3		mg/kg	0.895	0.182	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC
Zinc, Total	40.4		mg/kg	4.47	0.262	2	06/27/24 00:15	06/27/24 20:44	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1939933-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Iron, Total	0.569	J	mg/kg	2.00	0.361	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	5.76	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	1.26	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/27/24 00:15	06/27/24 17:24	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/27/24 00:15	06/27/24 17:24	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): 01-04 Batch: WG1939934-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/27/24 01:11	06/28/24 10:22	1,7471B	MJR

Project Name: Not Specified
Project Number: 13542
Lab Number: L2435416
Report Date: 07/08/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1939933-2								
Aluminum, Total	109		-		80-120	-		
Antimony, Total	98		-		80-120	-		
Arsenic, Total	92		-		80-120	-		
Barium, Total	116		-		80-120	-		
Beryllium, Total	108		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Calcium, Total	107		-		80-120	-		
Chromium, Total	108		-		80-120	-		
Cobalt, Total	97		-		80-120	-		
Copper, Total	113		-		80-120	-		
Iron, Total	118		-		80-120	-		
Lead, Total	103		-		80-120	-		
Magnesium, Total	108		-		80-120	-		
Manganese, Total	107		-		80-120	-		
Nickel, Total	100		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	91		-		80-120	-		
Silver, Total	112		-		80-120	-		
Sodium, Total	110		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	109		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1939933-2					
Zinc, Total	94	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1939934-2					
Mercury, Total	100	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1939933-3 QC Sample: L2435404-01 Client ID: MS Sample												
Aluminum, Total	15400	190	16300	**474**	Q	-	-		75-125	-		20
Antimony, Total	ND	47.5	35.8	75		-	-		75-125	-		20
Arsenic, Total	2.18	11.4	11.0	77		-	-		75-125	-		20
Barium, Total	60.3	190	240	94		-	-		75-125	-		20
Beryllium, Total	0.588	4.75	4.74	87		-	-		75-125	-		20
Cadmium, Total	ND	5.03	4.72	94		-	-		75-125	-		20
Calcium, Total	1180	950	1970	83		-	-		75-125	-		20
Chromium, Total	42.8	19	52.7	**52**	Q	-	-		75-125	-		20
Cobalt, Total	12.5	47.5	54.5	88		-	-		75-125	-		20
Copper, Total	19.1	23.7	44.4	106		-	-		75-125	-		20
Iron, Total	25500	95	25400	**0**	Q	-	-		75-125	-		20
Lead, Total	6.63	50.3	52.4	91		-	-		75-125	-		20
Magnesium, Total	3780	950	4590	85		-	-		75-125	-		20
Manganese, Total	437	47.5	460	**48**	Q	-	-		75-125	-		20
Nickel, Total	17.8	47.5	62.1	93		-	-		75-125	-		20
Potassium, Total	1070	950	1950	93		-	-		75-125	-		20
Selenium, Total	ND	11.4	8.94	78		-	-		75-125	-		20
Silver, Total	ND	4.75	4.52	95		-	-		75-125	-		20
Sodium, Total	65.6J	950	914	96		-	-		75-125	-		20
Thallium, Total	0.306J	11.4	10.2	89		-	-		75-125	-		20
Vanadium, Total	44.4	47.5	86.8	89		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1939933-3 QC Sample: L2435404-01 Client ID: MS Sample									
Zinc, Total	33.5	47.5	77.3	92	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1939934-3 QC Sample: L2435416-01 Client ID: SB-5 (13.5-14)									
Mercury, Total	ND	1.57	1.59	101	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1939933-4 QC Sample: L2435404-01 Client ID: DUP Sample						
Aluminum, Total	15400	15100	mg/kg	2		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.18	2.04	mg/kg	7		20
Barium, Total	60.3	56.3	mg/kg	7		20
Beryllium, Total	0.588	0.556	mg/kg	6		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	1180	1170	mg/kg	1		20
Chromium, Total	42.8	34.6	mg/kg	**21**	Q	20
Cobalt, Total	12.5	12.3	mg/kg	2		20
Copper, Total	19.1	19.7	mg/kg	3		20
Iron, Total	25500	23500	mg/kg	8		20
Lead, Total	6.63	6.54	mg/kg	1		20
Magnesium, Total	3780	3690	mg/kg	2		20
Manganese, Total	437	486	mg/kg	11		20
Nickel, Total	17.8	17.2	mg/kg	3		20
Potassium, Total	1070	1030	mg/kg	4		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	65.6J	68.1J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1939933-4 QC Sample: L2435404-01 Client ID: DUP Sample					
Thallium, Total	0.306J	ND	mg/kg	NC	20
Vanadium, Total	44.4	41.1	mg/kg	8	20
Zinc, Total	33.5	32.8	mg/kg	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1939934-4 QC Sample: L2435416-01 Client ID: SB-5 (13.5-14)					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: Not Specified
Project Number: 13542

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2435416
Report Date: 07/08/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1939933-6 QC Sample: L2435404-01 Client ID: DUP Sample						
Aluminum, Total	15400	17800	mg/kg	16		20
Barium, Total	60.3	70.5	mg/kg	17		20
Calcium, Total	1180	1440	mg/kg	**22**	Q	20
Chromium, Total	42.8	48.5	mg/kg	13		20
Iron, Total	25500	32200	mg/kg	**26**	Q	20
Magnesium, Total	3780	4310	mg/kg	14		20
Manganese, Total	437	526	mg/kg	20		20
Vanadium, Total	44.4	49.6	mg/kg	12		20

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-01
Client ID: SB-5 (13.5-14)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 10:30
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	06/22/24 13:29	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.24	1	06/27/24 19:10	06/28/24 13:01	1,9010C/9012B	JER

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-02
Client ID: SB-6 (12-12.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 15:15
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	06/22/24 13:29	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	06/27/24 19:10	06/28/24 13:02	1,9010C/9012B	JER

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-03
Client ID: SB-4 (10.5-11)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 11:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	06/22/24 13:29	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	06/27/24 19:10	06/28/24 13:03	1,9010C/9012B	JER

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

SAMPLE RESULTS

Lab ID: L2435416-04
Client ID: SB-7 (4-4.5)
Sample Location: 38 GRAMERCY PARK E, NEW YORK NY

Date Collected: 06/21/24 14:00
Date Received: 06/21/24
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	86.5		%	0.100	NA	1	-	06/22/24 13:29	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	06/27/24 19:10	06/28/24 13:04	1,9010C/9012B	JER

Project Name:

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

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): 01-04 Batch: WG1940491-1										
Cyanide, Total	ND		mg/kg	0.84	0.18	1	06/27/24 19:10	06/28/24 12:05	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1940491-2 WG1940491-3								
Cyanide, Total	**74**	Q	91		80-120	8		35

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

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): 01-04 QC Batch ID: WG1940491-4 WG1940491-5 QC Sample: L2435433-01 Client ID: MS Sample												
Cyanide, Total	ND	11	10	90		10	90		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13542

Lab Number: L2435416

Report Date: 07/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1937895-1 QC Sample: L2435326-01 Client ID: DUP Sample						
Solids, Total	95.1	95.2	%	0		20

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2435416-01A	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-01B	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-01C	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-01D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2435416-01E	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2435416-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2435416-01G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCN-9010(14)
L2435416-01H	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2435416-01I	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2435416-01X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-01Y	Vial Water preserved split	A	NA		3.1	Y	Absent	22-JUN-24 11:35	NYTCL-8260HLW(14)
L2435416-01Z	Vial Water preserved split	A	NA		3.1	Y	Absent	22-JUN-24 11:35	NYTCL-8260HLW(14)
L2435416-02A	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-02B	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-02C	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-02D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2435416-02E	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2435416-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2435416-02G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCN-9010(14)
L2435416-02H	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2435416-02I	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2435416-02X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-02Y	Vial Water preserved split	A	NA		3.1	Y	Absent	22-JUN-24 11:35	NYTCL-8260HLW(14)
L2435416-02Z	Vial Water preserved split	A	NA		3.1	Y	Absent	22-JUN-24 11:35	NYTCL-8260HLW(14)
L2435416-03A	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-03B	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-03C	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-03D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2435416-03E	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2435416-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	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),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2435416-03G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCN-9010(14)
L2435416-03H	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2435416-03I	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2435416-03X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-03Y	Vial Water preserved split	A	NA		3.1	Y	Absent	22-JUN-24 11:35	NYTCL-8260HLW(14)
L2435416-03Z	Vial Water preserved split	A	NA		3.1	Y	Absent	22-JUN-24 11:35	NYTCL-8260HLW(14)
L2435416-04A	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-04B	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-04C	5 gram Encore Sampler	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-04D	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2435416-04E	Plastic 2oz unpreserved for TS	A	NA		3.1	Y	Absent		TS(7)
L2435416-04F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2435416-04G	Glass 120ml/4oz unpreserved	A	NA		3.1	Y	Absent		TCN-9010(14)
L2435416-04H	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2435416-04I	Plastic 8oz unpreserved	A	NA		3.1	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2435416-04X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2435416-04Y	Vial Water preserved split	A	NA		3.1	Y	Absent	22-JUN-24 11:35	NYTCL-8260HLW(14)
L2435416-04Z	Vial Water preserved split	A	NA		3.1	Y	Absent	22-JUN-24 11:35	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

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: Not Specified
Project Number: 13542

Lab Number: L2435416
Report Date: 07/08/24

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:	Not Specified	**Lab Number:**	L2435416
Project Number:	13542	**Report Date:**	07/08/24

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:	Not Specified	**Lab Number:**	L2435416
Project Number:	13542	**Report Date:**	07/08/24

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.)

Project Name:	Not Specified	**Lab Number:**	L2435416
Project Number:	13542	**Report Date:**	07/08/24

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

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

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

Certification Information

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

Westborough Facility
EPA 624.1: 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
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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

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Date Rec'd in Lab: 6/22/24

ALPHA Job #: L2435416

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: ↓
Project Location: 38 Gramercy Park E, NY NY
Project #: 13542
(Use Project name as Project #) ☐
Project Manager: James Vandervilet
ALPHAQuote #:

Client Information
Client: SESI
Address: 959 Rt 46E, Parsippany NJ
Phone: 973 808 9050
Fax:
Email: James vandervilet

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

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

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:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL+30/TAL (162)	PFAS NY	Sample Specific Comments	Total Bottles
35416-01	SB-5 (13.5-14)	6/21/24	1030	S	EQ	X	X		4
02	SB-6 (12-12.5)	↓	1515	↓	↓	↓	↓		4
03	SB-4 (10.5-11)	↓	1100	↓	↓	↓	↓		4
04	SB-7 (4-4.5)	↓	1400	↓	↓	↓	↓		4

Container Type:
Preservative:

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
EQ	6/21/24	SSms	6-21-24 1644
SSms	6-21-24 1825	[signature]	6/21/24 1825
[signature]	6/21/24	[signature] AAL	6/21 2000
[signature] AAL	6/22 0045	[signature]	6/22/24 0045

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

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

ANALYTICAL REPORT

Lab Number:	L2442539
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	James Vander Vliet
Phone:	(973) 808-9050
Project Name:	37 GRAMERCY PARK EAST
Project Number:	13542
Report Date:	08/08/24

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: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2442539-01	SB-08 (7-7.5)	SOIL	37 GRAMERCY PARK EAST	07/29/24 10:40	07/29/24
L2442539-02	SB-09 (13.5-14)	SOIL	37 GRAMERCY PARK EAST	07/29/24 12:10	07/29/24
L2442539-03	SB-10 (1.5-2)	SOIL	37 GRAMERCY PARK EAST	07/29/24 13:20	07/29/24
L2442539-04	SB-11 (2.5-3)		37 GRAMERCY PARK EAST	07/29/24 02:30	07/29/24

Project Name:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442539
Project Number:	13542	**Report Date:**	08/08/24

Case Narrative

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

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

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

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

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

Project Name:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442539
Project Number:	13542	**Report Date:**	08/08/24

Case Narrative (continued)

Report Submission

August 08, 2024: This final report includes the results of all requested analyses.

July 30, 2024: 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.

Sample Receipt

L2442539-03: The collection date and time on the chain of custody was 29-JUL-24 13:20; however, the collection date/time on the container label was 29-JUL-24 13:30. At the client's request, the collection date/time is reported as 29-JUL-24 13:20.

L2442539-04: A sample identified as "SB-11 (2.5-3)" was received, but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

Total Metals

L2442539-01, -02, and -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

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

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 08/08/24

ORGANICS

VOLATILES

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01
Client ID: SB-08 (7-7.5)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 10:40
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 07/30/24 10:06
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01 Date Collected: 07/29/24 10:40

Client ID: SB-08 (7-7.5) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	13		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	4.5	J	ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	3.1		ug/kg	1.0	0.17	1
sec-Butylbenzene	2.4		ug/kg	1.0	0.15	1
tert-Butylbenzene	0.26	J	ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	1.1		ug/kg	1.0	0.11	1
Naphthalene	1.6	J	ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01 Date Collected: 07/29/24 10:40

Client ID: SB-08 (7-7.5) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	2.1		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	14		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	470	J	ug/kg			1
Unknown Aromatic	63.3	J	ug/kg			1
Unknown Aromatic	42.6	J	ug/kg			1
Unknown Aromatic	36.4	J	ug/kg			1
Unknown Benzene	43.8	J	ug/kg			1
Unknown Benzene	42.7	J	ug/kg			1
Unknown Aromatic	31.7	J	ug/kg			1
Unknown Aromatic	36.0	J	ug/kg			1
Unknown Aromatic	48.3	J	ug/kg			1
Unknown Benzene	49.7	J	ug/kg			1
Benzene, (2-methyl-1-butenyl)-	75.8	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	89		70-130

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02 Date Collected: 07/29/24 12:10
Client ID: SB-09 (13.5-14) Date Received: 07/29/24
Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 07/30/24 10:30
Analyst: AJK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02 Date Collected: 07/29/24 12:10

Client ID: SB-09 (13.5-14) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02 Date Collected: 07/29/24 12:10

Client ID: SB-09 (13.5-14) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	2.32	J	ug/kg			1
Unknown	2.32	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	89		70-130

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03 Date Collected: 07/29/24 13:20
Client ID: SB-10 (1.5-2) Date Received: 07/29/24
Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 07/30/24 10:53
Analyst: AJK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03 Date Collected: 07/29/24 13:20

Client ID: SB-10 (1.5-2) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03 Date Collected: 07/29/24 13:20

Client ID: SB-10 (1.5-2) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	2.34	J	ug/kg			1
Unknown	2.34	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	88		70-130

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/24 08:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1953244-5					
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
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-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

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/24 08:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1953244-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
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
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
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
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/24 08:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1953244-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	2.53	J	ug/kg
Unknown	2.53	J	ug/kg

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/30/24 08:34
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03 Batch: WG1953244-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1953244-3 WG1953244-4								
Methylene chloride	84		86		70-130	2		30
1,1-Dichloroethane	98		100		70-130	2		30
Chloroform	88		91		70-130	3		30
Carbon tetrachloride	99		88		70-130	12		30
1,2-Dichloropropane	93		95		70-130	2		30
Dibromochloromethane	80		84		70-130	5		30
1,1,2-Trichloroethane	87		93		70-130	7		30
Tetrachloroethene	94		96		70-130	2		30
Chlorobenzene	94		97		70-130	3		30
Trichlorofluoromethane	93		93		70-139	0		30
1,2-Dichloroethane	82		84		70-130	2		30
1,1,1-Trichloroethane	93		95		70-130	2		30
Bromodichloromethane	81		83		70-130	2		30
trans-1,3-Dichloropropene	96		99		70-130	3		30
cis-1,3-Dichloropropene	86		88		70-130	2		30
1,1-Dichloropropene	103		104		70-130	1		30
Bromoform	77		84		70-130	9		30
1,1,2,2-Tetrachloroethane	93		91		70-130	2		30
Benzene	94		96		70-130	2		30
Toluene	103		106		70-130	3		30
Ethylbenzene	106		110		70-130	4		30
Chloromethane	110		111		52-130	1		30
Bromomethane	88		90		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1953244-3 WG1953244-4								
Vinyl chloride	103		106		67-130	3		30
Chloroethane	99		100		50-151	1		30
1,1-Dichloroethene	93		94		65-135	1		30
trans-1,2-Dichloroethene	88		90		70-130	2		30
Trichloroethene	87		95		70-130	9		30
1,2-Dichlorobenzene	89		95		70-130	7		30
1,3-Dichlorobenzene	94		101		70-130	7		30
1,4-Dichlorobenzene	94		100		70-130	6		30
Methyl tert butyl ether	85		88		66-130	3		30
p/m-Xylene	102		105		70-130	3		30
o-Xylene	98		102		70-130	4		30
cis-1,2-Dichloroethene	83		85		70-130	2		30
Dibromomethane	71		73		70-130	3		30
Styrene	97		101		70-130	4		30
Dichlorodifluoromethane	93		95		30-146	2		30
Acetone	65		66		54-140	2		30
Carbon disulfide	102		104		59-130	2		30
2-Butanone	**55**	Q	**58**	Q	70-130	5		30
Vinyl acetate	100		75		70-130	29		30
4-Methyl-2-pentanone	78		83		70-130	6		30
1,2,3-Trichloropropane	91		99		68-130	8		30
2-Hexanone	73		76		70-130	4		30
Bromochloromethane	70		72		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1953244-3 WG1953244-4								
2,2-Dichloropropane	98		100		70-130	2		30
1,2-Dibromoethane	82		85		70-130	4		30
1,3-Dichloropropane	90		93		69-130	3		30
1,1,1,2-Tetrachloroethane	88		92		70-130	4		30
Bromobenzene	88		94		70-130	7		30
n-Butylbenzene	122		130		70-130	6		30
sec-Butylbenzene	115		122		70-130	6		30
tert-Butylbenzene	108		115		70-130	6		30
o-Chlorotoluene	112		122		70-130	9		30
p-Chlorotoluene	112		119		70-130	6		30
1,2-Dibromo-3-chloropropane	**67**	Q	72		68-130	7		30
Hexachlorobutadiene	98		105		67-130	7		30
Isopropylbenzene	112		119		70-130	6		30
p-Isopropyltoluene	110		116		70-130	5		30
Naphthalene	80		86		70-130	7		30
Acrylonitrile	84		86		70-130	2		30
n-Propylbenzene	121		129		70-130	6		30
1,2,3-Trichlorobenzene	82		89		70-130	8		30
1,2,4-Trichlorobenzene	88		94		70-130	7		30
1,3,5-Trimethylbenzene	110		119		70-130	8		30
1,2,4-Trimethylbenzene	108		115		70-130	6		30
1,4-Dioxane	67		73		65-136	9		30
p-Diethylbenzene	108		115		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03 Batch: WG1953244-3 WG1953244-4								
p-Ethyltoluene	113		120		70-130	6		30
1,2,4,5-Tetramethylbenzene	101		108		70-130	7		30
Ethyl ether	85		89		67-130	5		30
trans-1,4-Dichloro-2-butene	109		119		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		96		70-130
Toluene-d8	112		113		70-130
4-Bromofluorobenzene	112		115		70-130
Dibromofluoromethane	88		89		70-130

SEMIVOLATILES

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01
Client ID: SB-08 (7-7.5)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 10:40
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/30/24 12:36
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 02:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01 Date Collected: 07/29/24 10:40

Client ID: SB-08 (7-7.5) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01 Date Collected: 07/29/24 10:40

Client ID: SB-08 (7-7.5) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	71		18-120

Project Name: 37 GRAMERCY PARK EAST
Lab Number: L2442539
Project Number: 13542
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01
Client ID: SB-08 (7-7.5)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 10:40
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/08/24 11:29
Analyst: AC
Percent Solids: 83%

Extraction Method: EPA 1633
Extraction Date: 08/07/24 15:00
Cleanup Method: EPA 1633
Cleanup Date: 08/08/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.799	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.799	0.280	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.286		ng/g	0.200	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.799	0.387	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106	1
PFOA/PFOS, Total	0.286		ng/g	0.200	0.052	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01 Date Collected: 07/29/24 10:40

Client ID: SB-08 (7-7.5) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST 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)	88		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	95		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	94		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	98		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	96		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	97		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	118		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	103		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	82		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	92		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	92		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	73		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66		15-109

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02
Client ID: SB-09 (13.5-14)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 12:10
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/30/24 13:01
Analyst: SZ
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 02:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02 Date Collected: 07/29/24 12:10

Client ID: SB-09 (13.5-14) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02 Date Collected: 07/29/24 12:10

Client ID: SB-09 (13.5-14) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	76		18-120

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02
Client ID: SB-09 (13.5-14)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 12:10
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/08/24 11:42
Analyst: AC
Percent Solids: 84%

Extraction Method: EPA 1633
Extraction Date: 08/07/24 15:00
Cleanup Method: EPA 1633
Cleanup Date: 08/08/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.799	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.399	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.799	0.280	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.799	0.387	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106	1
PFOA/PFOS, Total	ND		ng/g	0.200	0.052	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02 Date Collected: 07/29/24 12:10

Client ID: SB-09 (13.5-14) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST 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)	80		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	79		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	75		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	87		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	77		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	77		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	81		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	78		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	63		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	57		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	51		15-109

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03
Client ID: SB-10 (1.5-2)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 13:20
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/30/24 13:26
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 02:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03 Date Collected: 07/29/24 13:20

Client ID: SB-10 (1.5-2) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03 Date Collected: 07/29/24 13:20

Client ID: SB-10 (1.5-2) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	76		18-120

Project Name: 37 GRAMERCY PARK EAST
Lab Number: L2442539
Project Number: 13542
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03
Client ID: SB-10 (1.5-2)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 13:20
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/08/24 11:55
Analyst: AC
Percent Solids: 89%

Extraction Method: EPA 1633
Extraction Date: 08/07/24 15:00
Cleanup Method: EPA 1633
Cleanup Date: 08/08/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.795	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.397	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	0.052	J	ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.795	0.278	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.795	0.385	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
PFOA/PFOS, Total	0.052	J	ng/g	0.199	0.052	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03 Date Collected: 07/29/24 13:20

Client ID: SB-10 (1.5-2) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST 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)	86		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	93		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	87		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	76		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	79		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	73		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	73		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	79		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	67		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	73		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	59		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	53		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	48		15-109

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/30/24 08:52
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/29/24 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1952596-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/30/24 08:52
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/29/24 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1952596-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	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	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/30/24 08:52
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 07/29/24 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1952596-1					
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.
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.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	84		18-120

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/08/24 07:10
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/07/24 15:00
Cleanup Method: EPA 1633
Cleanup Date: 08/08/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1956471-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
PFOA/PFOS, Total	ND		ng/g	0.200	0.052

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/08/24 07:10
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/07/24 15:00
Cleanup Method: EPA 1633
Cleanup Date: 08/08/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01-03 Batch: WG1956471-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	93		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	96		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	98		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	98		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	100		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	94		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	92		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	98		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	95		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	87		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	88		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	70		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	47		15-109

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1952596-2 WG1952596-3								
Acenaphthene	62		69		31-137	11		50
1,2,4-Trichlorobenzene	58		64		38-107	10		50
Hexachlorobenzene	71		79		40-140	11		50
Bis(2-chloroethyl)ether	57		62		40-140	8		50
2-Chloronaphthalene	58		63		40-140	8		50
1,2-Dichlorobenzene	58		64		40-140	10		50
1,3-Dichlorobenzene	58		64		40-140	10		50
1,4-Dichlorobenzene	59		63		28-104	7		50
3,3'-Dichlorobenzidine	55		63		40-140	14		50
2,4-Dinitrotoluene	77		86		40-132	11		50
2,6-Dinitrotoluene	70		79		40-140	12		50
Fluoranthene	66		73		40-140	10		50
4-Chlorophenyl phenyl ether	62		69		40-140	11		50
4-Bromophenyl phenyl ether	70		78		40-140	11		50
Bis(2-chloroisopropyl)ether	46		50		40-140	8		50
Bis(2-chloroethoxy)methane	62		69		40-117	11		50
Hexachlorobutadiene	56		62		40-140	10		50
Hexachlorocyclopentadiene	**32**	Q	41		40-140	25		50
Hexachloroethane	58		64		40-140	10		50
Isophorone	60		67		40-140	11		50
Naphthalene	62		68		40-140	9		50
Nitrobenzene	63		71		40-140	12		50
NDPA/DPA	64		72		36-157	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1952596-2 WG1952596-3								
n-Nitrosodi-n-propylamine	59		66		32-121	11		50
Bis(2-ethylhexyl)phthalate	72		83		40-140	14		50
Butyl benzyl phthalate	68		76		40-140	11		50
Di-n-butylphthalate	72		82		40-140	13		50
Di-n-octylphthalate	66		75		40-140	13		50
Diethyl phthalate	66		74		40-140	11		50
Dimethyl phthalate	60		67		40-140	11		50
Benzo(a)anthracene	57		64		40-140	12		50
Benzo(a)pyrene	62		70		40-140	12		50
Benzo(b)fluoranthene	62		70		40-140	12		50
Benzo(k)fluoranthene	62		70		40-140	12		50
Chrysene	58		65		40-140	11		50
Acenaphthylene	60		68		40-140	13		50
Anthracene	66		74		40-140	11		50
Benzo(ghi)perylene	60		67		40-140	11		50
Fluorene	62		70		40-140	12		50
Phenanthrene	64		72		40-140	12		50
Dibenzo(a,h)anthracene	61		68		40-140	11		50
Indeno(1,2,3-cd)pyrene	60		68		40-140	13		50
Pyrene	66		74		35-142	11		50
Biphenyl	61		67		37-127	9		50
4-Chloroaniline	52		59		40-140	13		50
2-Nitroaniline	80		90		47-134	12		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1952596-2 WG1952596-3								
3-Nitroaniline	67		78		26-129	15		50
4-Nitroaniline	79		89		41-125	12		50
Dibenzofuran	62		69		40-140	11		50
2-Methylnaphthalene	62		69		40-140	11		50
1,2,4,5-Tetrachlorobenzene	59		66		40-117	11		50
Acetophenone	63		70		14-144	11		50
2,4,6-Trichlorophenol	61		68		30-130	11		50
p-Chloro-m-cresol	67		73		26-103	9		50
2-Chlorophenol	68		74		25-102	8		50
2,4-Dichlorophenol	64		73		30-130	13		50
2,4-Dimethylphenol	57		64		30-130	12		50
2-Nitrophenol	79		88		30-130	11		50
4-Nitrophenol	71		79		11-114	11		50
2,4-Dinitrophenol	65		75		4-130	14		50
4,6-Dinitro-o-cresol	73		82		10-130	12		50
Pentachlorophenol	65		72		17-109	10		50
Phenol	63		69		26-90	9		50
2-Methylphenol	67		74		30-130.	10		50
3-Methylphenol/4-Methylphenol	67		74		30-130	10		50
2,4,5-Trichlorophenol	63		70		30-130	11		50
Benzoic Acid	28		28		10-110	0		50
Benzyl Alcohol	62		70		40-140	12		50
Carbazole	66		75		54-128	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1952596-2 WG1952596-3								
1,4-Dioxane	**39**	Q	40		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		71		25-120
Phenol-d6	70		76		10-120
Nitrobenzene-d5	68		73		23-120
2-Fluorobiphenyl	60		66		30-120
2,4,6-Tribromophenol	81		89		10-136
4-Terphenyl-d14	70		80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

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): 01-03 Batch: WG1956471-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	116		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	113		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	126		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	108		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	114		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	120		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	102		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	118		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	131		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	107		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	131		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	88		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	112		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	106		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	113		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	124		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	96		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	145		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

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): 01-03 Batch: WG1956471-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	96				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	95				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	106				48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	105				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	95				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	104				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	107				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	103				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	101				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	100				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	88				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	93				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	103				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	93				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	65				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	48				15-109

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1956471-3								
Perfluorobutanoic Acid (PFBA)	110		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	104		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	121		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	117		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	109		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	106		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	120		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	104		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	111		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	84		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	89		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	102		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	116		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	87		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	122		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1956471-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	88				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	89				48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	91				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	93				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	93				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	86				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	95				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	77				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	80				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	62				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	44				15-109

PCBS

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01
Client ID: SB-08 (7-7.5)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 10:40
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/30/24 11:26
Analyst: MHG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 03:12
Cleanup Method: EPA 3665A
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.0	5.07	1	A
Aroclor 1221	ND		ug/kg	57.0	5.72	1	A
Aroclor 1232	ND		ug/kg	57.0	12.1	1	A
Aroclor 1242	ND		ug/kg	57.0	7.69	1	A
Aroclor 1248	ND		ug/kg	57.0	8.56	1	A
Aroclor 1254	ND		ug/kg	57.0	6.24	1	A
Aroclor 1260	ND		ug/kg	57.0	10.5	1	A
Aroclor 1262	ND		ug/kg	57.0	7.24	1	A
Aroclor 1268	ND		ug/kg	57.0	5.91	1	A
PCBs, Total	ND		ug/kg	57.0	5.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02
Client ID: SB-09 (13.5-14)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 12:10
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/30/24 11:36
Analyst: MHG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 03:12
Cleanup Method: EPA 3665A
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.2	5.26	1	A
Aroclor 1221	ND		ug/kg	59.2	5.93	1	A
Aroclor 1232	ND		ug/kg	59.2	12.6	1	A
Aroclor 1242	ND		ug/kg	59.2	7.98	1	A
Aroclor 1248	ND		ug/kg	59.2	8.88	1	A
Aroclor 1254	ND		ug/kg	59.2	6.48	1	A
Aroclor 1260	ND		ug/kg	59.2	10.9	1	A
Aroclor 1262	ND		ug/kg	59.2	7.52	1	A
Aroclor 1268	ND		ug/kg	59.2	6.14	1	A
PCBs, Total	ND		ug/kg	59.2	5.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03
Client ID: SB-10 (1.5-2)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 13:20
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/30/24 11:46
Analyst: MHG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 03:12
Cleanup Method: EPA 3665A
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.9	4.88	1	A
Aroclor 1221	ND		ug/kg	54.9	5.50	1	A
Aroclor 1232	ND		ug/kg	54.9	11.6	1	A
Aroclor 1242	ND		ug/kg	54.9	7.40	1	A
Aroclor 1248	ND		ug/kg	54.9	8.24	1	A
Aroclor 1254	ND		ug/kg	54.9	6.01	1	A
Aroclor 1260	ND		ug/kg	54.9	10.2	1	A
Aroclor 1262	ND		ug/kg	54.9	6.98	1	A
Aroclor 1268	ND		ug/kg	54.9	5.69	1	A
PCBs, Total	ND		ug/kg	54.9	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/30/24 10:56
Analyst: MHG

Extraction Method: EPA 3546
Extraction Date: 07/30/24 03:12
Cleanup Method: EPA 3665A
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1952931-1						
Aroclor 1016	ND		ug/kg	48.6	4.31	A
Aroclor 1221	ND		ug/kg	48.6	4.87	A
Aroclor 1232	ND		ug/kg	48.6	10.3	A
Aroclor 1242	ND		ug/kg	48.6	6.55	A
Aroclor 1248	ND		ug/kg	48.6	7.29	A
Aroclor 1254	ND		ug/kg	48.6	5.32	A
Aroclor 1260	ND		ug/kg	48.6	8.98	A
Aroclor 1262	ND		ug/kg	48.6	6.17	A
Aroclor 1268	ND		ug/kg	48.6	5.03	A
PCBs, Total	ND		ug/kg	48.6	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1952931-2 WG1952931-3									
Aroclor 1016	85		83		40-140	2		50	A
Aroclor 1260	75		76		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		72		30-150	A
Decachlorobiphenyl	71		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		69		30-150	B
Decachlorobiphenyl	87		90		30-150	B

PESTICIDES

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01
Client ID: SB-08 (7-7.5)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 10:40
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/30/24 13:09
Analyst: JAG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 02:54
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.91	0.373	1	A
Lindane	ND		ug/kg	0.794	0.355	1	A
Alpha-BHC	ND		ug/kg	0.794	0.226	1	A
Beta-BHC	ND		ug/kg	1.91	0.723	1	A
Heptachlor	ND		ug/kg	0.953	0.427	1	A
Aldrin	ND		ug/kg	1.91	0.671	1	A
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	A
Endrin	ND		ug/kg	0.794	0.326	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.834	1	A
Endrin ketone	ND		ug/kg	1.91	0.491	1	A
Dieldrin	ND		ug/kg	1.19	0.596	1	A
4,4'-DDE	ND		ug/kg	1.91	0.441	1	A
4,4'-DDD	ND		ug/kg	1.91	0.680	1	A
4,4'-DDT	ND		ug/kg	1.91	1.53	1	A
Endosulfan I	ND		ug/kg	1.91	0.450	1	A
Endosulfan II	ND		ug/kg	1.91	0.637	1	A
Endosulfan sulfate	ND		ug/kg	0.794	0.378	1	A
Methoxychlor	ND		ug/kg	3.57	1.11	1	A
Toxaphene	ND		ug/kg	35.7	10.0	1	A
cis-Chlordane	ND		ug/kg	2.38	0.664	1	A
trans-Chlordane	ND		ug/kg	2.38	0.629	1	A
Chlordane	ND		ug/kg	15.9	6.32	1	A

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01 Date Collected: 07/29/24 10:40

Client ID: SB-08 (7-7.5) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST 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	**471**	Q	30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02
Client ID: SB-09 (13.5-14)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 12:10
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/30/24 13:21
Analyst: JAG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 02:54
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	A
Lindane	ND		ug/kg	0.792	0.354	1	A
Alpha-BHC	ND		ug/kg	0.792	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.721	1	A
Heptachlor	ND		ug/kg	0.951	0.426	1	A
Aldrin	ND		ug/kg	1.90	0.670	1	A
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	A
Endrin	ND		ug/kg	0.792	0.325	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.832	1	A
Endrin ketone	ND		ug/kg	1.90	0.490	1	A
Dieldrin	ND		ug/kg	1.19	0.594	1	A
4,4'-DDE	ND		ug/kg	1.90	0.440	1	A
4,4'-DDD	ND		ug/kg	1.90	0.678	1	A
4,4'-DDT	ND		ug/kg	1.90	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.449	1	A
Endosulfan II	ND		ug/kg	1.90	0.636	1	A
Endosulfan sulfate	ND		ug/kg	0.792	0.377	1	A
Methoxychlor	ND		ug/kg	3.57	1.11	1	A
Toxaphene	ND		ug/kg	35.7	9.99	1	A
cis-Chlordane	ND		ug/kg	2.38	0.663	1	A
trans-Chlordane	ND		ug/kg	2.38	0.628	1	A
Chlordane	ND		ug/kg	15.8	6.30	1	A

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02 Date Collected: 07/29/24 12:10

Client ID: SB-09 (13.5-14) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST 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	83		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03
Client ID: SB-10 (1.5-2)
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/29/24 13:20
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/30/24 13:32
Analyst: JAG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/30/24 02:54
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.671	1	A
Heptachlor	ND		ug/kg	0.885	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.623	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.996	1	A
Endrin	ND		ug/kg	0.738	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.774	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	ND		ug/kg	1.11	0.553	1	A
4,4'-DDE	ND		ug/kg	1.77	0.409	1	A
4,4'-DDD	ND		ug/kg	1.77	0.631	1	A
4,4'-DDT	ND		ug/kg	1.77	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.592	1	A
Endosulfan sulfate	ND		ug/kg	0.738	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.29	1	A
cis-Chlordane	ND		ug/kg	2.21	0.617	1	A
trans-Chlordane	ND		ug/kg	2.21	0.584	1	A
Chlordane	ND		ug/kg	14.8	5.86	1	A

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442539

Project Number: 13542 **Report Date:** 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03 Date Collected: 07/29/24 13:20

Client ID: SB-10 (1.5-2) Date Received: 07/29/24

Sample Location: 37 GRAMERCY PARK EAST 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	70		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/30/24 12:35
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 07/30/24 02:54
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1952926-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.648	0.290	A
Alpha-BHC	ND		ug/kg	0.648	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.590	A
Heptachlor	ND		ug/kg	0.778	0.349	A
Aldrin	ND		ug/kg	1.56	0.548	A
Heptachlor epoxide	ND		ug/kg	2.92	0.875	A
Endrin	ND		ug/kg	0.648	0.266	A
Endrin aldehyde	ND		ug/kg	1.94	0.680	A
Endrin ketone	ND		ug/kg	1.56	0.400	A
Dieldrin	ND		ug/kg	0.972	0.486	A
4,4'-DDE	ND		ug/kg	1.56	0.360	A
4,4'-DDD	ND		ug/kg	1.56	0.555	A
4,4'-DDT	ND		ug/kg	1.56	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.367	A
Endosulfan II	ND		ug/kg	1.56	0.520	A
Endosulfan sulfate	ND		ug/kg	0.648	0.308	A
Methoxychlor	ND		ug/kg	2.92	0.907	A
Toxaphene	ND		ug/kg	29.2	8.16	A
cis-Chlordane	ND		ug/kg	1.94	0.542	A
trans-Chlordane	ND		ug/kg	1.94	0.513	A
Chlordane	ND		ug/kg	13.0	5.15	A

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/30/24 12:35
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 07/30/24 02:54
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1952926-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	115		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1952926-2 WG1952926-3									
Delta-BHC	83		84		30-150	1		30	A
Lindane	80		81		30-150	1		30	A
Alpha-BHC	84		86		30-150	2		30	A
Beta-BHC	92		94		30-150	2		30	A
Heptachlor	81		81		30-150	0		30	A
Aldrin	80		82		30-150	2		30	A
Heptachlor epoxide	74		76		30-150	3		30	A
Endrin	82		83		30-150	1		30	A
Endrin aldehyde	80		80		30-150	0		30	A
Endrin ketone	88		87		30-150	1		30	A
Dieldrin	90		92		30-150	2		30	A
4,4'-DDE	83		85		30-150	2		30	A
4,4'-DDD	92		93		30-150	1		30	A
4,4'-DDT	83		84		30-150	1		30	A
Endosulfan I	82		84		30-150	2		30	A
Endosulfan II	86		86		30-150	0		30	A
Endosulfan sulfate	80		80		30-150	0		30	A
Methoxychlor	78		78		30-150	0		30	A
cis-Chlordane	78		79		30-150	1		30	A
trans-Chlordane	97		96		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1952926-2 WG1952926-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		73		30-150	A
Decachlorobiphenyl	96		100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		78		30-150	B
Decachlorobiphenyl	83		86		30-150	B

METALS

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01
Client ID: SB-08 (7-7.5)
Sample Location: 37 GRAMERCY PARK EAST
Date Collected: 07/29/24 10:40
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6370		mg/kg	9.17	2.48	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.58	0.348	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Arsenic, Total	2.31		mg/kg	0.917	0.191	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Barium, Total	65.1		mg/kg	0.917	0.160	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.365	J	mg/kg	0.458	0.030	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.917	0.090	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Calcium, Total	1130		mg/kg	9.17	3.21	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Chromium, Total	11.1		mg/kg	0.917	0.088	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Cobalt, Total	5.39		mg/kg	1.83	0.152	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Copper, Total	5.50		mg/kg	0.917	0.237	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Iron, Total	14400		mg/kg	4.58	0.828	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Lead, Total	18.9		mg/kg	4.58	0.246	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Magnesium, Total	889		mg/kg	9.17	1.41	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Manganese, Total	288		mg/kg	0.917	0.146	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.077	0.050	1	07/30/24 08:40	07/30/24 10:45	EPA 7471B	1,7471B	MJR
Nickel, Total	5.33		mg/kg	2.29	0.222	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Potassium, Total	443		mg/kg	229	13.2	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Selenium, Total	0.361	J	mg/kg	1.83	0.237	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.458	0.260	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Sodium, Total	105	J	mg/kg	183	2.89	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Thallium, Total	0.302	J	mg/kg	1.83	0.289	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Vanadium, Total	20.7		mg/kg	0.917	0.186	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL
Zinc, Total	16.2		mg/kg	4.58	0.269	2	07/30/24 08:00	07/30/24 10:13	EPA 3050B	1,6010D	DHL

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02
Client ID: SB-09 (13.5-14)
Sample Location: 37 GRAMERCY PARK EAST
Date Collected: 07/29/24 12:10
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7490		mg/kg	9.36	2.53	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.68	0.356	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Arsenic, Total	1.41		mg/kg	0.936	0.195	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Barium, Total	59.0		mg/kg	0.936	0.163	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.346	J	mg/kg	0.468	0.031	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.936	0.092	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Calcium, Total	1590		mg/kg	9.36	3.28	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Chromium, Total	29.3		mg/kg	0.936	0.090	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Cobalt, Total	4.63		mg/kg	1.87	0.155	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Copper, Total	11.6		mg/kg	0.936	0.241	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Iron, Total	11100		mg/kg	4.68	0.845	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Lead, Total	6.42		mg/kg	4.68	0.251	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Magnesium, Total	2480		mg/kg	9.36	1.44	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Manganese, Total	312		mg/kg	0.936	0.149	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.076	0.050	1	07/30/24 08:40	07/30/24 10:55	EPA 7471B	1,7471B	MJR
Nickel, Total	11.9		mg/kg	2.34	0.226	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Potassium, Total	1070		mg/kg	234	13.5	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.87	0.241	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.468	0.265	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Sodium, Total	71.6	J	mg/kg	187	2.95	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.87	0.295	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Vanadium, Total	13.9		mg/kg	0.936	0.190	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL
Zinc, Total	29.8		mg/kg	4.68	0.274	2	07/30/24 08:00	07/30/24 10:16	EPA 3050B	1,6010D	DHL

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03
Client ID: SB-10 (1.5-2)
Sample Location: 37 GRAMERCY PARK EAST
Date Collected: 07/29/24 13:20
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9200		mg/kg	8.71	2.35	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.35	0.331	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Arsenic, Total	1.91		mg/kg	0.871	0.181	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Barium, Total	75.3		mg/kg	0.871	0.151	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.439		mg/kg	0.435	0.029	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.871	0.085	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Calcium, Total	1180		mg/kg	8.71	3.05	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Chromium, Total	18.4		mg/kg	0.871	0.084	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Cobalt, Total	7.33		mg/kg	1.74	0.144	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Copper, Total	21.3		mg/kg	0.871	0.225	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Iron, Total	13900		mg/kg	4.35	0.786	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Lead, Total	6.85		mg/kg	4.35	0.233	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Magnesium, Total	2930		mg/kg	8.71	1.34	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Manganese, Total	436		mg/kg	0.871	0.138	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.072	0.047	1	07/30/24 08:40	07/30/24 10:58	EPA 7471B	1,7471B	MJR
Nickel, Total	13.7		mg/kg	2.18	0.211	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Potassium, Total	2500		mg/kg	218	12.5	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Selenium, Total	0.386	J	mg/kg	1.74	0.225	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.435	0.246	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Sodium, Total	114	J	mg/kg	174	2.74	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Thallium, Total	0.529	J	mg/kg	1.74	0.274	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Vanadium, Total	23.6		mg/kg	0.871	0.177	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL
Zinc, Total	30.0		mg/kg	4.35	0.255	2	07/30/24 08:00	07/30/24 10:20	EPA 3050B	1,6010D	DHL

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1952968-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Iron, Total	0.778	J	mg/kg	2.00	0.361	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/30/24 08:00	07/30/24 10:06	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/30/24 08:00	07/30/24 10:06	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): 01-03 Batch: WG1952970-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/30/24 08:40	07/30/24 10:38	1,7471B	MJR

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1952968-2								
Aluminum, Total	99		-		80-120	-		
Antimony, Total	101		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	102		-		80-120	-		
Cadmium, Total	101		-		80-120	-		
Calcium, Total	101		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	102		-		80-120	-		
Lead, Total	97		-		80-120	-		
Magnesium, Total	98		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	98		-		80-120	-		
Potassium, Total	101		-		80-120	-		
Selenium, Total	97		-		80-120	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1952968-2					
Zinc, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1952970-2					
Mercury, Total	106	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1952968-3 QC Sample: L2437747-11 Client ID: MS Sample												
Aluminum, Total	7550	161	9400	**1150**	Q	-	-		75-125	-		20
Antimony, Total	0.326J	40.2	34.2	85		-	-		75-125	-		20
Arsenic, Total	6.46	9.64	16.3	102		-	-		75-125	-		20
Barium, Total	80.9	161	242	100		-	-		75-125	-		20
Beryllium, Total	0.240J	4.02	4.13	103		-	-		75-125	-		20
Cadmium, Total	0.244J	4.26	4.28	100		-	-		75-125	-		20
Calcium, Total	1770	804	2750	122		-	-		75-125	-		20
Chromium, Total	25.0	16.1	42.3	108		-	-		75-125	-		20
Cobalt, Total	5.83	40.2	43.3	93		-	-		75-125	-		20
Copper, Total	54.6	20.1	80.8	**130**	Q	-	-		75-125	-		20
Iron, Total	13600	80.4	14600	**1240**	Q	-	-		75-125	-		20
Lead, Total	95.2	42.6	150	**129**	Q	-	-		75-125	-		20
Magnesium, Total	2100	804	3080	122		-	-		75-125	-		20
Manganese, Total	94.8	40.2	134	98		-	-		75-125	-		20
Nickel, Total	10.9	40.2	48.7	94		-	-		75-125	-		20
Potassium, Total	249	804	1040	98		-	-		75-125	-		20
Selenium, Total	0.303J	9.64	8.70	90		-	-		75-125	-		20
Silver, Total	ND	4.02	4.02	100		-	-		75-125	-		20
Sodium, Total	113J	804	896	112		-	-		75-125	-		20
Thallium, Total	0.326J	9.64	8.99	93		-	-		75-125	-		20
Vanadium, Total	32.1	40.2	71.8	99		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1952968-3 QC Sample: L2437747-11 Client ID: MS Sample									
Zinc, Total	57.4	40.2	106	121	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1952970-3 QC Sample: L2442539-01 Client ID: SB-08 (7-7.5)									
Mercury, Total	ND	1.54	1.65	107	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1952968-4 QC Sample: L2437747-11 Client ID: DUP Sample						
Lead, Total	95.2	98.2	mg/kg	3		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1952970-4 QC Sample: L2442539-01 Client ID: SB-08 (7-7.5)						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-01
Client ID: SB-08 (7-7.5)
Sample Location: 37 GRAMERCY PARK EAST
Date Collected: 07/29/24 10:40
Date Received: 07/29/24
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	-	07/30/24 02:22	121,2540G	WJM
Cyanide, Total	ND		mg/kg	1.1	0.24	1	07/30/24 11:35	07/30/24 15:20	1,9010C/9012B	KEP

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-02
Client ID: SB-09 (13.5-14)
Sample Location: 37 GRAMERCY PARK EAST
Date Collected: 07/29/24 12:10
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	07/30/24 02:22	121,2540G	WJM
Cyanide, Total	ND		mg/kg	1.1	0.24	1	07/30/24 11:35	07/30/24 15:34	1,9010C/9012B	KEP

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

SAMPLE RESULTS

Lab ID: L2442539-03
Client ID: SB-10 (1.5-2)
Sample Location: 37 GRAMERCY PARK EAST
Date Collected: 07/29/24 13:20
Date Received: 07/29/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	07/30/24 02:22	121,2540G	WJM
Cyanide, Total	ND		mg/kg	1.1	0.24	1	07/30/24 11:35	07/30/24 15:35	1,9010C/9012B	KEP

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

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 Batch: WG1953156-1										
Cyanide, Total	ND		mg/kg	0.85	0.18	1	07/30/24 11:35	07/30/24 15:03	1,9010C/9012B	KEP
General Chemistry - Westborough Lab for sample(s): 02-03 Batch: WG1953162-1										
Cyanide, Total	ND		mg/kg	0.85	0.18	1	07/30/24 11:35	07/30/24 15:03	1,9010C/9012B	KEP

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1953156-2 WG1953156-3								
Cyanide, Total	99		84		80-120	16		35
General Chemistry - Westborough Lab Associated sample(s): 02-03 Batch: WG1953162-2 WG1953162-3								
Cyanide, Total	99		84		80-120	16		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

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 QC Batch ID: WG1953156-4 WG1953156-5 QC Sample: L2441269-01 Client ID: MS Sample												
Cyanide, Total	3.7	12	16	100		17	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1953162-4 WG1953162-5 QC Sample: L2441700-25 Client ID: MS Sample												
Cyanide, Total	ND	9.7	10	100		10	100		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442539

Report Date: 08/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1952884-1 QC Sample: L2442405-01 Client ID: DUP Sample						
Solids, Total	82.1	81.0	%	1		20

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2442539-01A	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-01B	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-01C	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-01D	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TS(7)
L2442539-01E	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TS(7)
L2442539-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2442539-01G	Plastic 8oz unpreserved	A	NA		4.8	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2442539-01H	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2442539-01X	Vial MeOH preserved split	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-01Y	Vial Water preserved split	A	NA		4.8	Y	Absent	30-JUL-24 06:44	NYTCL-8260HLW(14)
L2442539-01Z	Vial Water preserved split	A	NA		4.8	Y	Absent	30-JUL-24 06:44	NYTCL-8260HLW(14)
L2442539-02A	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-02B	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-02C	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-02D	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TS(7)
L2442539-02E	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TS(7)
L2442539-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2442539-02G	Plastic 8oz unpreserved	A	NA		4.8	Y	Absent		A2-NY-1633-DRAFT-21(90)

*Values in parentheses indicate holding time in days

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2442539-02H	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2442539-02X	Vial MeOH preserved split	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-02Y	Vial Water preserved split	A	NA		4.8	Y	Absent	30-JUL-24 06:44	NYTCL-8260HLW(14)
L2442539-02Z	Vial Water preserved split	A	NA		4.8	Y	Absent	30-JUL-24 06:44	NYTCL-8260HLW(14)
L2442539-03A	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-03B	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-03C	5 gram Encore Sampler	A	NA		4.8	Y	Absent		NYTCL-8260HLW(14)
L2442539-03D	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TS(7)
L2442539-03E	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TS(7)
L2442539-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2442539-03G	Plastic 8oz unpreserved	A	NA		4.8	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2442539-03H	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2442539-03X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14)
L2442539-03Y	Vial Water preserved split	NA	NA			Y	Absent	30-JUL-24 06:47	NYTCL-8260HLW(14)
L2442539-03Z	Vial Water preserved split	NA	NA			Y	Absent	30-JUL-24 06:47	NYTCL-8260HLW(14)
L2442539-04A	5 gram Encore Sampler	A	NA		4.8	Y	Absent		ARCHIVE()
L2442539-04B	5 gram Encore Sampler	A	NA		4.8	Y	Absent		ARCHIVE()
L2442539-04C	5 gram Encore Sampler	A	NA		4.8	Y	Absent		ARCHIVE()
L2442539-04D	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		ARCHIVE()
L2442539-04E	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		ARCHIVE()
L2442539-04F	Glass 60mL/2oz unpreserved	A	NA		4.8	Y	Absent		ARCHIVE()
L2442539-04G	Plastic 8oz unpreserved	A	NA		4.8	Y	Absent		ARCHIVE()
L2442539-04H	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		ARCHIVE()
L2442539-04X	Vial MeOH preserved split	NA	NA			Y	Absent		ARCHIVE()
L2442539-04Y	Vial Water preserved split	NA	NA			Y	Absent	30-JUL-24 14:14	ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2442539-04Z	Vial Water preserved split	NA	NA			Y	Absent	30-JUL-24 14:14	ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442539
Report Date: 08/08/24

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: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442539
Report Date: 08/08/24

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:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442539
Project Number:	13542	**Report Date:**	08/08/24

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:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442539
Project Number:	13542	**Report Date:**	08/08/24

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:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442539
Project Number:	13542	**Report Date:**	08/08/24

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:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442539
Project Number:	13542	**Report Date:**	08/08/24

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

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

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

Certification Information

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

Westborough Facility
EPA 624.1: 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
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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:

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

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

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

NEW YORK CHAIN OF CUSTODY

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 of

Date Rec'd in Lab: 7/29/24

ALPHA Job #: L2442539

Client Information
Client: SESI
Address: 959 US46 Fl 3S300 Parsippany NJ 07054
Phone: 973 808 9050
Fax:
Email: Tyma.VanderVliet@sesi.org

Project Information
Project Name: 37 Gramercy Polk East
Project Location: 37 Gramercy Polk East
Project #: 13547
(Use Project name as Project #): ☐
Project Manager: Tyma VanderVliet | Jeff Lambain
ALPHAQuote #:

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

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

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

Billing Information
☑ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
PFAS Standard TAT

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30/TAL	PFAS 1633 MW-21	Sample Specific Comments	Total Bottle
42539-01	SB-08(7-7.5)	7/29/24	1040	Soil	CB	✓	✓		8
-02	SB-09(13.5-14)		1210		CB	✓	✓		8
-03	SB-10(1.5-2)		1320		CB	✓	✓		8

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

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

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

Container Type	A/P/E	P							
Preservative	-	-							

Relinquished By:	Date/Time	Received By:	Date/Time
	7/29/24 15:10		7/29/24 15:10
Paul Mazzella	7/29/24 17:30	Paul Mazzella	7/29/24 1655
	7/29/24 2300		7/29/24 23:00

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

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

ANALYTICAL REPORT

Lab Number:	L2442710
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	James Vander Vliet
Phone:	(973) 808-9050
Project Name:	37 GRAMERCY PARK EAST
Project Number:	13542
Report Date:	08/09/24

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: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2442710-01	TW-3	WATER	37 GRAMERCY PARK EAST	07/30/24 10:20	07/30/24

Project Name:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442710
Project Number:	13542	**Report Date:**	08/09/24

Case Narrative

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

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

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

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

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

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Case Narrative (continued)

Report Submission

August 09, 2024: This final report includes the results of all requested analyses.

August 02, 2024: This is a preliminary report.

July 31, 2024: 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.

Semivolatile Organics

The WG1953074-2/-3 LCS/LCSD recoveries, associated with L2442710-01, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Perfluorinated Alkyl Acids by 1633

WG1956611-2: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

Total Metals

The WG1953736-3 MS recovery for calcium (10%), performed on L2442710-01, does not apply because the sample concentration is greater than four times the spike amount added.

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: 08/09/24

ORGANICS

VOLATILES

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST
Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 07/31/24 09:06
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.34	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442710

Project Number: 13542 **Report Date:** 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01 Date Collected: 07/30/24 10:20

Client ID: TW-3 Date Received: 07/30/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.17	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442710

Project Number: 13542 **Report Date:** 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01 Date Collected: 07/30/24 10:20

Client ID: TW-3 Date Received: 07/30/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
Total TIC Compounds	1.31	J	ug/l			1
Unknown	1.31	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	103		70-130

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/31/24 08:18
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1953685-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/31/24 08:18
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1953685-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/31/24 08:18
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1953685-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds			
Total TIC Compounds	1.34	J	ug/l
Unknown	1.34	J	ug/l

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/31/24 08:18
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1953685-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1953685-3 WG1953685-4								
Methylene chloride	93		95		70-130	2		20
1,1-Dichloroethane	95		100		70-130	5		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	94		99		70-130	5		20
Dibromochloromethane	96		100		63-130	4		20
1,1,2-Trichloroethane	90		100		70-130	11		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	97		100		75-130	3		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	99		110		70-130	11		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	95		100		67-130	5		20
trans-1,3-Dichloropropene	84		94		70-130	11		20
cis-1,3-Dichloropropene	90		95		70-130	5		20
1,1-Dichloropropene	97		100		70-130	3		20
Bromoform	89		98		54-136	10		20
1,1,2,2-Tetrachloroethane	88		100		67-130	13		20
Benzene	96		100		70-130	4		20
Toluene	93		98		70-130	5		20
Ethylbenzene	92		97		70-130	5		20
Chloromethane	86		90		64-130	5		20
Bromomethane	76		80		39-139	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1953685-3 WG1953685-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	130		**140**	Q	55-138	7		20
1,1-Dichloroethene	99		100		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	92		96		70-130	4		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	78		90		63-130	14		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	97		100		70-130	3		20
Dibromomethane	94		100		70-130	6		20
1,2,3-Trichloropropane	83		96		64-130	15		20
Acrylonitrile	92		110		70-130	18		20
Styrene	90		100		70-130	11		20
Dichlorodifluoromethane	89		82		36-147	8		20
Acetone	69		88		58-148	**24**	Q	20
Carbon disulfide	97		99		51-130	2		20
2-Butanone	94		90		63-138	4		20
Vinyl acetate	110		**140**	Q	70-130	**24**	Q	20
4-Methyl-2-pentanone	68		89		59-130	**27**	Q	20
2-Hexanone	66		81		57-130	20		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1953685-3 WG1953685-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	93		94		63-133	1		20
1,2-Dibromoethane	89		100		70-130	12		20
1,3-Dichloropropane	90		100		70-130	11		20
1,1,1,2-Tetrachloroethane	98		100		64-130	2		20
Bromobenzene	97		100		70-130	3		20
n-Butylbenzene	90		93		53-136	3		20
sec-Butylbenzene	93		93		70-130	0		20
tert-Butylbenzene	93		95		70-130	2		20
o-Chlorotoluene	88		93		70-130	6		20
p-Chlorotoluene	87		90		70-130	3		20
1,2-Dibromo-3-chloropropane	79		96		41-144	19		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	89		92		70-130	3		20
p-Isopropyltoluene	95		97		70-130	2		20
Naphthalene	74		92		70-130	**22**	Q	20
n-Propylbenzene	88		92		69-130	4		20
1,2,3-Trichlorobenzene	94		100		70-130	6		20
1,2,4-Trichlorobenzene	97		110		70-130	13		20
1,3,5-Trimethylbenzene	90		92		64-130	2		20
1,2,4-Trimethylbenzene	90		93		70-130	3		20
1,4-Dioxane	66		80		56-162	19		20
p-Diethylbenzene	92		97		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1953685-3 WG1953685-4								
p-Ethyltoluene	91		93		70-130	2		20
1,2,4,5-Tetramethylbenzene	84		89		70-130	6		20
Ethyl ether	86		89		59-134	3		20
trans-1,4-Dichloro-2-butene	85		98		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		111		70-130
Toluene-d8	94		97		70-130
4-Bromofluorobenzene	88		86		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: 37 GRAMERCY PARK EAST
Lab Number: L2442710
Project Number: 13542
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/31/24 10:02
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 01:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84	1
Hexachlorocyclopentadiene	ND		ug/l	20	1.2	1
Isophorone	ND		ug/l	5.0	0.86	1
Nitrobenzene	ND		ug/l	2.0	0.20	1
NDPA/DPA	ND		ug/l	2.0	0.92	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4	1
Butyl benzyl phthalate	ND		ug/l	5.0	2.6	1
Di-n-butylphthalate	ND		ug/l	5.0	0.96	1
Di-n-octylphthalate	ND		ug/l	5.0	2.3	1
Diethyl phthalate	ND		ug/l	5.0	0.76	1
Dimethyl phthalate	ND		ug/l	5.0	0.92	1
Biphenyl	ND		ug/l	2.0	0.20	1
4-Chloroaniline	ND		ug/l	5.0	0.47	1
2-Nitroaniline	ND		ug/l	5.0	1.0	1
3-Nitroaniline	ND		ug/l	5.0	1.2	1
4-Nitroaniline	ND		ug/l	5.0	1.4	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442710

Project Number: 13542 **Report Date:** 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01 Date Collected: 07/30/24 10:20

Client ID: TW-3 Date Received: 07/30/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.40	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24	1
Acetophenone	ND		ug/l	5.0	0.92	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.65	1
2,4-Dichlorophenol	ND		ug/l	5.0	1.7	1
2,4-Dimethylphenol	ND		ug/l	5.0	2.0	1
2-Nitrophenol	ND		ug/l	10	2.0	1
4-Nitrophenol	ND		ug/l	10	1.4	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3	1
Phenol	ND		ug/l	5.0	0.35	1
2-Methylphenol	ND		ug/l	5.0	2.3	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Tentatively Identified Compounds						
Total TIC Compounds	11.9	J	ug/l			1
Unknown Organic Acid	7.10	J	ug/l			1
Unknown	4.80	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	97		41-149

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/31/24 11:49
Analyst: MRG

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 01:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	0.04	J	ug/l	0.10	0.03	1
Phenanthrene	0.25		ug/l	0.10	0.04	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02	1
Pyrene	0.07	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.03	1
Pentachlorophenol	0.06	J	ug/l	0.80	0.06	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.02	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442710

Project Number: 13542 **Report Date:** 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01 Date Collected: 07/30/24 10:20

Client ID: TW-3 Date Received: 07/30/24

Sample Location: 37 GRAMERCY PARK EAST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	46		10-120
4-Terphenyl-d14	93		41-149

Project Name: 37 GRAMERCY PARK EAST
Lab Number: L2442710
Project Number: 13542
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/01/24 09:50
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	30		15-110

Project Name: 37 GRAMERCY PARK EAST
Lab Number: L2442710
Project Number: 13542
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 08/08/24 15:41
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/07/24 19:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	15.2		ng/l	5.91	0.945	1
Perfluoropentanoic Acid (PFPeA)	16.7		ng/l	2.95	0.790	1
Perfluorobutanesulfonic Acid (PFBS)	15.9		ng/l	1.48	0.495	1
Perfluorohexanoic Acid (PFHxA)	13.6		ng/l	1.48	0.436	1
Perfluoroheptanoic Acid (PFHpA)	7.66		ng/l	1.48	0.295	1
Perfluorohexanesulfonic Acid (PFHxS)	4.42		ng/l	1.48	0.354	1
Perfluorooctanoic Acid (PFOA)	42.7		ng/l	1.48	0.642	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.91	1.99	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.827	J	ng/l	1.48	0.399	1
Perfluorononanoic Acid (PFNA)	3.62		ng/l	1.48	0.465	1
Perfluorooctanesulfonic Acid (PFOS)	39.0		ng/l	1.48	0.672	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.48	0.598	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.91	2.30	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.48	0.805	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.48	0.642	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.48	0.340	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.48	0.399	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.48	0.797	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.48	0.679	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.48	0.554	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.48	0.391	1
PFOA/PFOS, Total	81.7		ng/l	1.48	0.642	1

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442710

Project Number: 13542 **Report Date:** 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01 Date Collected: 07/30/24 10:20

Client ID: TW-3 Date Received: 07/30/24

Sample Location: 37 GRAMERCY PARK EAST 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)	79		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	76		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	69		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	96		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	70		32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	75		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	68		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	82		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	61		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	70		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	63		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57		10-145

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/31/24 01:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/30/24 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1953074-1					
Acenaphthene	ND		ug/l	2.0	0.40
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.98
Hexachlorobenzene	ND		ug/l	2.0	0.45
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.39
2-Chloronaphthalene	ND		ug/l	2.0	0.35
1,2-Dichlorobenzene	ND		ug/l	2.0	0.33
1,3-Dichlorobenzene	ND		ug/l	2.0	0.32
1,4-Dichlorobenzene	ND		ug/l	2.0	0.39
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.8
2,4-Dinitrotoluene	ND		ug/l	5.0	0.54
2,6-Dinitrotoluene	ND		ug/l	5.0	0.84
Fluoranthene	ND		ug/l	2.0	0.41
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.39
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.24
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.40
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.84
Hexachlorobutadiene	ND		ug/l	2.0	0.36
Hexachlorocyclopentadiene	ND		ug/l	20	1.2
Hexachloroethane	ND		ug/l	2.0	0.20
Isophorone	ND		ug/l	5.0	0.86
Naphthalene	ND		ug/l	2.0	0.54
Nitrobenzene	ND		ug/l	2.0	0.20
NDPA/DPA	ND		ug/l	2.0	0.92
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.91
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.4
Butyl benzyl phthalate	ND		ug/l	5.0	2.6
Di-n-butylphthalate	ND		ug/l	5.0	0.96
Di-n-octylphthalate	ND		ug/l	5.0	2.3
Diethyl phthalate	ND		ug/l	5.0	0.76

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/31/24 01:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/30/24 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1953074-1					
Dimethyl phthalate	ND		ug/l	5.0	0.92
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.37
Benzo(b)fluoranthene	ND		ug/l	2.0	0.53
Benzo(k)fluoranthene	ND		ug/l	2.0	0.62
Chrysene	ND		ug/l	2.0	0.22
Acenaphthylene	ND		ug/l	2.0	0.32
Anthracene	ND		ug/l	2.0	0.47
Benzo(ghi)perylene	ND		ug/l	2.0	0.37
Fluorene	ND		ug/l	2.0	0.44
Phenanthrene	ND		ug/l	2.0	0.42
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.29
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.48
Pyrene	ND		ug/l	2.0	0.41
Biphenyl	ND		ug/l	2.0	0.20
4-Chloroaniline	ND		ug/l	5.0	0.47
2-Nitroaniline	ND		ug/l	5.0	1.0
3-Nitroaniline	ND		ug/l	5.0	1.2
4-Nitroaniline	ND		ug/l	5.0	1.4
Dibenzofuran	ND		ug/l	2.0	0.40
2-Methylnaphthalene	ND		ug/l	2.0	0.37
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.24
Acetophenone	ND		ug/l	5.0	0.92
2,4,6-Trichlorophenol	ND		ug/l	5.0	2.1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61
2-Chlorophenol	ND		ug/l	2.0	0.65
2,4-Dichlorophenol	ND		ug/l	5.0	1.7
2,4-Dimethylphenol	ND		ug/l	5.0	2.0
2-Nitrophenol	ND		ug/l	10	2.0

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/31/24 01:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/30/24 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1953074-1					
4-Nitrophenol	ND		ug/l	10	1.4
2,4-Dinitrophenol	ND		ug/l	20	5.4
4,6-Dinitro-o-cresol	ND		ug/l	10	2.3
Pentachlorophenol	ND		ug/l	10	2.5
Phenol	ND		ug/l	5.0	0.35
2-Methylphenol	ND		ug/l	5.0	2.3
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.4
2,4,5-Trichlorophenol	ND		ug/l	5.0	2.1
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.38
Carbazole	ND		ug/l	2.0	0.31
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	71		41-149

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/31/24 11:01
Analyst: MRG

Extraction Method: EPA 3510C
Extraction Date: 07/30/24 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1953075-1					
Acenaphthene	ND		ug/l	0.10	0.02
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.03
Hexachlorobutadiene	ND		ug/l	0.50	0.02
Naphthalene	ND		ug/l	0.10	0.02
Benzo(a)anthracene	ND		ug/l	0.10	0.03
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03
Chrysene	ND		ug/l	0.10	0.03
Acenaphthylene	ND		ug/l	0.10	0.02
Anthracene	ND		ug/l	0.10	0.02
Benzo(ghi)perylene	ND		ug/l	0.10	0.02
Fluorene	ND		ug/l	0.10	0.03
Phenanthrene	ND		ug/l	0.10	0.04
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.02
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.02
Pyrene	ND		ug/l	0.10	0.04
2-Methylnaphthalene	ND		ug/l	0.10	0.03
Pentachlorophenol	ND		ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/31/24 11:01
Analyst: MRG

Extraction Method: EPA 3510C
Extraction Date: 07/30/24 07:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1953075-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	83		41-149

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/01/24 08:45
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 11:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 01 Batch: WG1953718-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		15-110

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/08/24 11:03
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/07/24 19:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01 Batch: WG1956611-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.40	1.02
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.20	0.856
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.60	0.536
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.60	0.472
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.60	0.320
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.60	0.384
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.60	0.696
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.40	2.16
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.60	0.432
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.60	0.504
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.60	0.728
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.60	0.648
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.40	2.49
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.60	0.872
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.60	0.696
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.60	0.368
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.60	0.432
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.60	0.864
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.60	0.736
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.60	0.600
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.60	0.424
PFOA/PFOS, Total	ND		ng/l	1.60	0.696

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/08/24 11:03
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/07/24 19:26

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01 Batch: WG1956611-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	56		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	78		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	57		41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	66		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	67		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	58		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	53		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	63		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	62		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	53		32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	56		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	52		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	71		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	53		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	69		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	68		10-145

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

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: WG1953074-2 WG1953074-3								
Acenaphthene	66		66		37-111	0		30
1,2,4-Trichlorobenzene	60		60		39-98	0		30
Hexachlorobenzene	65		66		40-140	2		30
Bis(2-chloroethyl)ether	67		61		40-140	9		30
2-Chloronaphthalene	65		62		40-140	5		30
1,2-Dichlorobenzene	65		62		40-140	5		30
1,3-Dichlorobenzene	61		60		40-140	2		30
1,4-Dichlorobenzene	65		62		36-97	5		30
3,3'-Dichlorobenzidine	72		71		40-140	1		30
2,4-Dinitrotoluene	69		70		48-143	1		30
2,6-Dinitrotoluene	68		64		40-140	6		30
Fluoranthene	70		68		40-140	3		30
4-Chlorophenyl phenyl ether	68		63		40-140	8		30
4-Bromophenyl phenyl ether	70		64		40-140	9		30
Bis(2-chloroisopropyl)ether	40		**36**	Q	40-140	11		30
Bis(2-chloroethoxy)methane	63		61		40-140	3		30
Hexachlorobutadiene	63		62		40-140	2		30
Hexachlorocyclopentadiene	49		51		40-140	4		30
Hexachloroethane	55		58		40-140	5		30
Isophorone	66		67		40-140	2		30
Naphthalene	65		63		40-140	3		30
Nitrobenzene	61		62		40-140	2		30
NDPA/DPA	66		67		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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: WG1953074-2 WG1953074-3								
n-Nitrosodi-n-propylamine	61		62		29-132	2		30
Bis(2-ethylhexyl)phthalate	65		67		40-140	3		30
Butyl benzyl phthalate	69		64		40-140	8		30
Di-n-butylphthalate	69		75		40-140	8		30
Di-n-octylphthalate	71		69		40-140	3		30
Diethyl phthalate	65		62		40-140	5		30
Dimethyl phthalate	64		64		40-140	0		30
Benzo(a)anthracene	71		67		40-140	6		30
Benzo(a)pyrene	78		77		40-140	1		30
Benzo(b)fluoranthene	73		75		40-140	3		30
Benzo(k)fluoranthene	76		71		40-140	7		30
Chrysene	71		67		40-140	6		30
Acenaphthylene	68		68		45-123	0		30
Anthracene	74		70		40-140	6		30
Benzo(ghi)perylene	72		69		40-140	4		30
Fluorene	69		69		40-140	0		30
Phenanthrene	70		66		40-140	6		30
Dibenzo(a,h)anthracene	72		72		40-140	0		30
Indeno(1,2,3-cd)pyrene	75		72		40-140	4		30
Pyrene	74		69		26-127	7		30
Biphenyl	63		61		40-140	3		30
4-Chloroaniline	55		50		40-140	10		30
2-Nitroaniline	81		79		52-143	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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: WG1953074-2 WG1953074-3								
3-Nitroaniline	72		72		25-145	0		30
4-Nitroaniline	70		84		51-143	18		30
Dibenzofuran	65		66		40-140	2		30
2-Methylnaphthalene	64		65		40-140	2		30
1,2,4,5-Tetrachlorobenzene	62		59		2-134	5		30
Acetophenone	68		64		39-129	6		30
2,4,6-Trichlorophenol	55		70		30-130	24		30
p-Chloro-m-cresol	66		63		23-97	5		30
2-Chlorophenol	60		73		27-123	20		30
2,4-Dichlorophenol	63		69		30-130	9		30
2,4-Dimethylphenol	61		65		30-130	6		30
2-Nitrophenol	61		71		30-130	15		30
4-Nitrophenol	36		46		10-80	24		30
2,4-Dinitrophenol	34		45		20-130	28		30
4,6-Dinitro-o-cresol	56		72		20-164	25		30
Pentachlorophenol	46		59		9-103	25		30
Phenol	38		40		12-110	5		30
2-Methylphenol	67		66		30-130	2		30
3-Methylphenol/4-Methylphenol	68		68		30-130	0		30
2,4,5-Trichlorophenol	61		73		30-130	18		30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	66		66		26-116	0		30
Carbazole	73		69		55-144	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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: WG1953074-2 WG1953074-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		54		21-120
Phenol-d6	35		40		10-120
Nitrobenzene-d5	60		61		23-120
2-Fluorobiphenyl	63		63		15-120
2,4,6-Tribromophenol	67		76		10-120
4-Terphenyl-d14	71		67		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1953075-2 WG1953075-3								
Acenaphthene	76		74		40-140	3		40
2-Chloronaphthalene	66		64		40-140	3		40
Fluoranthene	76		74		40-140	3		40
Hexachlorobutadiene	59		57		40-140	3		40
Naphthalene	66		64		40-140	3		40
Benzo(a)anthracene	75		73		40-140	3		40
Benzo(a)pyrene	85		83		40-140	2		40
Benzo(b)fluoranthene	82		76		40-140	8		40
Benzo(k)fluoranthene	78		79		40-140	1		40
Chrysene	79		76		40-140	4		40
Acenaphthylene	73		72		40-140	1		40
Anthracene	78		75		40-140	4		40
Benzo(ghi)perylene	80		79		40-140	1		40
Fluorene	74		72		40-140	3		40
Phenanthrene	73		70		40-140	4		40
Dibenzo(a,h)anthracene	88		86		40-140	2		40
Indeno(1,2,3-cd)pyrene	90		88		40-140	2		40
Pyrene	75		73		40-140	3		40
2-Methylnaphthalene	73		71		40-140	3		40
Pentachlorophenol	48		63		40-140	27		40
Hexachlorobenzene	63		60		40-140	5		40
Hexachloroethane	68		65		40-140	5		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1953075-2 WG1953075-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		57		21-120
Phenol-d6	42		46		10-120
Nitrobenzene-d5	96		92		23-120
2-Fluorobiphenyl	67		64		15-120
2,4,6-Tribromophenol	67		78		10-120
4-Terphenyl-d14	77		74		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 01 Batch: WG1953718-2 WG1953718-3								
1,4-Dioxane	107		110		40-140	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	46		43		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

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 Batch: WG1956611-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	111		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	117		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	107		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	112		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	112		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	118		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	132		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	95		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	122		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	102		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	111		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	115		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	149		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	88		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	122		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	116		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	100		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	124		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	130		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	109		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	108		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

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 Batch: WG1956611-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85				41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	107				29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90				41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	88				40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88				27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	88				46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78				39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	112				10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	95				38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	91				32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91				28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	65				10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	111				10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	89				16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85				14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	101				10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	94				10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	94				10-145

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

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 Batch: WG1956611-3								
Perfluorobutanoic Acid (PFBA)	112		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	122		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	122		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	122		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	110		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	113		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	118		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	124		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	94		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	123		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	130		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	89		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	116		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	119		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	99		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	116		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	117		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	114		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

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 Batch: WG1956611-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82				41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99				29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	82				41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78				40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78				27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80				46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	77				39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	108				10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	91				38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82				32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	81				28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	77				10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	105				10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	78				16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85				14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	94				10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	90				10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	81				10-145

PCBS

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/31/24 10:09
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 01:46
Cleanup Method: EPA 3665A
Cleanup Date: 07/31/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/31/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/31/24 09:22
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 01:18
Cleanup Method: EPA 3665A
Cleanup Date: 07/31/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/31/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1953468-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1953468-2 WG1953468-3									
Aroclor 1016	78		74		40-140	6		50	A
Aroclor 1260	78		75		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		75		30-150	A
Decachlorobiphenyl	84		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		76		30-150	B
Decachlorobiphenyl	79		83		30-150	B

PESTICIDES

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST

Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/31/24 10:05
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 37 GRAMERCY PARK EAST **Lab Number:** L2442710

Project Number: 13542 **Report Date:** 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01 Date Collected: 07/30/24 10:20

Client ID: TW-3 Date Received: 07/30/24

Sample Location: 37 GRAMERCY PARK EAST 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	74		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/31/24 09:31
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1953486-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/31/24 09:31
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 07/31/24 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1953486-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1953486-2 WG1953486-3									
Delta-BHC	68		75		30-150	11		20	A
Lindane	76		85		30-150	11		20	A
Alpha-BHC	72		79		30-150	9		20	A
Beta-BHC	87		94		30-150	8		20	A
Heptachlor	72		80		30-150	10		20	A
Aldrin	70		77		30-150	10		20	A
Heptachlor epoxide	76		83		30-150	10		20	A
Endrin	74		83		30-150	11		20	A
Endrin aldehyde	72		80		30-150	11		20	A
Endrin ketone	78		86		30-150	9		20	A
Dieldrin	78		87		30-150	11		20	A
4,4'-DDE	72		80		30-150	10		20	A
4,4'-DDD	78		89		30-150	12		20	A
4,4'-DDT	76		84		30-150	10		20	A
Endosulfan I	72		80		30-150	11		20	A
Endosulfan II	75		83		30-150	11		20	A
Endosulfan sulfate	74		82		30-150	11		20	A
Methoxychlor	75		92		30-150	20		20	A
cis-Chlordane	66		74		30-150	11		20	A
trans-Chlordane	76		85		30-150	10		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1953486-2 WG1953486-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		79		30-150	A
Decachlorobiphenyl	84		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		83		30-150	B
Decachlorobiphenyl	87		97		30-150	B

METALS

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST
Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.933		mg/l	0.0100	0.00327	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Antimony, Total	0.00126	J	mg/l	0.00400	0.00042	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Arsenic, Total	0.00067		mg/l	0.00050	0.00016	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Barium, Total	0.09038		mg/l	0.00050	0.00017	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Cadmium, Total	0.00009	J	mg/l	0.00020	0.00005	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Calcium, Total	59.5		mg/l	0.100	0.0394	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00233		mg/l	0.00100	0.00017	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Cobalt, Total	0.00487		mg/l	0.00050	0.00016	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Copper, Total	0.00719		mg/l	0.00100	0.00038	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Iron, Total	1.66		mg/l	0.0500	0.0191	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Lead, Total	0.00203		mg/l	0.00100	0.00034	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Magnesium, Total	9.84		mg/l	0.0700	0.0242	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Manganese, Total	2.055		mg/l	0.00100	0.00044	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/31/24 12:34	07/31/24 15:24	EPA 7470A	1,7470A	MJR
Nickel, Total	0.00884		mg/l	0.00200	0.00055	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Potassium, Total	4.92		mg/l	0.100	0.0309	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Sodium, Total	19.4		mg/l	0.100	0.0293	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Vanadium, Total	0.00301	J	mg/l	0.00500	0.00157	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF
Zinc, Total	0.00747	J	mg/l	0.01000	0.00341	1	07/31/24 11:00	07/31/24 14:36	EPA 3005A	1,6020B	EJF

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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 Batch: WG1953736-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Calcium, Total	0.0588	J	mg/l	0.100	0.0394	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Nickel, Total	ND		mg/l	0.00200	0.00055	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Sodium, Total	ND		mg/l	0.100	0.0293	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/31/24 11:00	07/31/24 14:27	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1953737-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/31/24 12:34	07/31/24 15:17	1,7470A	MJR

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1953736-2								
Aluminum, Total	105		-		80-120	-		
Antimony, Total	90		-		80-120	-		
Arsenic, Total	117		-		80-120	-		
Barium, Total	108		-		80-120	-		
Beryllium, Total	107		-		80-120	-		
Cadmium, Total	110		-		80-120	-		
Calcium, Total	93		-		80-120	-		
Chromium, Total	107		-		80-120	-		
Cobalt, Total	112		-		80-120	-		
Copper, Total	115		-		80-120	-		
Iron, Total	111		-		80-120	-		
Lead, Total	111		-		80-120	-		
Magnesium, Total	108		-		80-120	-		
Manganese, Total	113		-		80-120	-		
Nickel, Total	112		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	117		-		80-120	-		
Silver, Total	111		-		80-120	-		
Sodium, Total	112		-		80-120	-		
Thallium, Total	120		-		80-120	-		
Vanadium, Total	97		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1953736-2					
Zinc, Total	114	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1953737-2					
Mercury, Total	100	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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 QC Batch ID: WG1953736-3 QC Sample: L2442710-01 Client ID: TW-3												
Aluminum, Total	0.933	2	2.79	93		-	-		75-125	-		20
Antimony, Total	0.00126J	0.5	0.4066	81		-	-		75-125	-		20
Arsenic, Total	0.00067	0.12	0.1246	103		-	-		75-125	-		20
Barium, Total	0.09038	2	1.936	92		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.04830	97		-	-		75-125	-		20
Cadmium, Total	0.00009J	0.053	0.05079	96		-	-		75-125	-		20
Calcium, Total	59.5	10	60.5	**10**	Q	-	-		75-125	-		20
Chromium, Total	0.00233	0.2	0.1902	94		-	-		75-125	-		20
Cobalt, Total	0.00487	0.5	0.5051	100		-	-		75-125	-		20
Copper, Total	0.00719	0.25	0.2583	100		-	-		75-125	-		20
Iron, Total	1.66	1	2.53	87		-	-		75-125	-		20
Lead, Total	0.00203	0.53	0.5515	104		-	-		75-125	-		20
Magnesium, Total	9.84	10	18.8	90		-	-		75-125	-		20
Manganese, Total	2.055	0.5	2.614	112		-	-		75-125	-		20
Nickel, Total	0.00884	0.5	0.5092	100		-	-		75-125	-		20
Potassium, Total	4.92	10	13.7	88		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.122	102		-	-		75-125	-		20
Silver, Total	ND	0.05	0.04888	98		-	-		75-125	-		20
Sodium, Total	19.4	10	30.8	114		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1238	103		-	-		75-125	-		20
Vanadium, Total	0.00301J	0.5	0.4397	88		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

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 QC Batch ID: WG1953736-3 QC Sample: L2442710-01 Client ID: TW-3									
Zinc, Total	0.00747J	0.5	0.5166	103	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1953737-3 QC Sample: L2442710-01 Client ID: TW-3									
Mercury, Total	ND	0.005	0.00500	100	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1953736-4 QC Sample: L2442710-01 Client ID: TW-3						
Aluminum, Total	0.933	0.916	mg/l	2		20
Antimony, Total	0.00126J	0.00099J	mg/l	NC		20
Arsenic, Total	0.00067	0.00056	mg/l	19		20
Barium, Total	0.09038	0.08623	mg/l	5		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.00009J	0.00007J	mg/l	NC		20
Calcium, Total	59.5	58.4	mg/l	2		20
Chromium, Total	0.00233	0.00227	mg/l	3		20
Cobalt, Total	0.00487	0.00467	mg/l	4		20
Copper, Total	0.00719	0.00718	mg/l	0		20
Iron, Total	1.66	1.64	mg/l	1		20
Lead, Total	0.00203	0.00188	mg/l	8		20
Magnesium, Total	9.84	9.76	mg/l	1		20
Manganese, Total	2.055	2.133	mg/l	4		20
Nickel, Total	0.00884	0.00899	mg/l	2		20
Potassium, Total	4.92	4.75	mg/l	4		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	19.4	18.7	mg/l	4		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1953736-4 QC Sample: L2442710-01 Client ID: TW-3					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	0.00301J	0.00306J	mg/l	NC	20
Zinc, Total	0.00747J	0.00685J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1953737-4 QC Sample: L2442710-01 Client ID: TW-3					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2442710
Report Date: 08/09/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1953736-6 QC Sample: L2442710-01 Client ID: TW-3						
Aluminum, Total	0.933	0.921	mg/l	1		20
Barium, Total	0.09038	0.08528	mg/l	6		20
Calcium, Total	59.5	56.2	mg/l	6		20
Iron, Total	1.66	1.69	mg/l	2		20
Magnesium, Total	9.84	9.87	mg/l	0		20
Manganese, Total	2.055	2.317	mg/l	13		20
Potassium, Total	4.92	4.61	mg/l	6		20
Sodium, Total	19.4	21.8	mg/l	12		20

INORGANICS
&
MISCELLANEOUS

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

SAMPLE RESULTS

Lab ID: L2442710-01
Client ID: TW-3
Sample Location: 37 GRAMERCY PARK EAST
Sample Depth:
Matrix: Water

Date Collected: 07/30/24 10:20
Date Received: 07/30/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	07/31/24 13:30	07/31/24 16:53	1,9010C/9012B	JER

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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 Batch: WG1953758-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	07/31/24 13:30	07/31/24 17:16	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST

Project Number: 13542

Lab Number: L2442710

Report Date: 08/09/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1953758-2 WG1953758-3								
Cyanide, Total	99		101		85-115	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

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 QC Batch ID: WG1953758-4 WG1953758-5 QC Sample: L2441909-01 Client ID: MS Sample												
Cyanide, Total	0.002J	0.2	0.198	99		0.199	100		80-120	1		20

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542

Lab Number: L2442710
Report Date: 08/09/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2442710-01A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2442710-01B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2442710-01C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2442710-01D	Plastic 250ml NaOH preserved	A	>12	>12	4.2	Y	Absent		TCN-9010(14)
L2442710-01E	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L2442710-01F	Plastic 500ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2442710-01G	Plastic 500ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2442710-01H	Plastic 500ml unpreserved	A	NA		4.2	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2442710-01J	Amber 100ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2442710-01K	Amber 100ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2442710-01L	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8081(7)
L2442710-01M	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8081(7)
L2442710-01N	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2442710-01O	Amber 120ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2442710-01P	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2442710-01Q	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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: 37 GRAMERCY PARK EAST
Project Number: 13542
Lab Number: L2442710
Report Date: 08/09/24

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:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442710
Project Number:	13542	**Report Date:**	08/09/24

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:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442710
Project Number:	13542	**Report Date:**	08/09/24

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:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442710
Project Number:	13542	**Report Date:**	08/09/24

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:	37 GRAMERCY PARK EAST	**Lab Number:**	L2442710
Project Number:	13542	**Report Date:**	08/09/24

REFERENCES

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

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

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

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

Certification Information

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

Westborough Facility
EPA 624.1: 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
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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

Date Rec'd in Lab: 30-Jul-24

ALPHA Job #: L2442710

Client Information
Client: SESI
Address: 959 US46 #135300
Parsippany NJ 07054
Phone: 973 808 9050
Fax:
Email: James.VanderVilet@sesi.org

Project Information
Project Name: 37 Gramercy Park East
Project Location: 37 Gramercy Park East
Project # 1354294
(Use Project name as Project #)
Project Manager: James VanderVilet & Jeff Lamborn
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days: 1

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (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:

☐ These samples have been previously analyzed by Alpha

Other project specific requirements/comments:
Standard TAT for PFAS

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30 TAL ✓	1,4 Dioxane ✓	PFAS (1633) ✓	Sample Specific Comments	Total Bottle
42710-01	TW-3	7/30/24	1020	GW	CB	✓	✓	✓		16

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

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

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

Container Type	A/p	P	P	
Preservative	B/C Some	-	-	

Relinquished By:	Date/Time	Received By:	Date/Time
	7/30/24	Alfa Pace	7/30/24 1155
Alfa Pace	7/30/24 1720	Paul Mazzella	7/30/24 1720
Paul Mazzella	7/30/24	Christine 7/30/24 2100	
Christine 7/30/24 2305		CMT	7/30/24 23:05

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

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

ANALYTICAL REPORT

Lab Number:	L2442765
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	James Vander Vliet
Phone:	(973) 808-9050
Project Name:	37 GRAMERCY PARK, E
Project Number:	13542:4
Report Date:	08/01/24

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

Project Name: 37 GRAMERCY PARK, E
Project Number: 13542:4

Lab Number: L2442765
Report Date: 08/01/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2442765-01	SV-4	SOIL_VAPOR	37 GRAMERCY PARK, E	07/30/24 09:25	07/30/24

Project Name:	37 GRAMERCY PARK, E	**Lab Number:**	L2442765
Project Number:	13542:4	**Report Date:**	08/01/24

Case Narrative

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

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

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

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

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

Project Name:	37 GRAMERCY PARK, E	**Lab Number:**	L2442765
Project Number:	13542:4	**Report Date:**	08/01/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 29, 2024. The canister certification data is provided as an addendum.

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: Christopher J. Anderson

Title: Technical Director/Representative Date: 08/01/24

AIR

Project Name: 37 GRAMERCY PARK, E
Project Number: 13542:4
Lab Number: L2442765
Report Date: 08/01/24

SAMPLE RESULTS

Lab ID: L2442765-01
Client ID: SV-4
Sample Location: 37 GRAMERCY PARK, E

Date Collected: 07/30/24 09:25
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/31/24 17:33
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.531	0.200	--	2.63	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.38	5.00	--	10.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	25.7	1.00	--	61.0	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.740	0.500	--	1.82	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.624	0.500	--	2.17	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.681	0.200	--	2.12	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	8.58	0.500	--	25.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 37 GRAMERCY PARK, E
Project Number: 13542:4
Lab Number: L2442765
Report Date: 08/01/24

SAMPLE RESULTS

Lab ID: L2442765-01
Client ID: SV-4
Sample Location: 37 GRAMERCY PARK, E

Date Collected: 07/30/24 09:25
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.427	0.200	--	2.09	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.342	0.200	--	1.09	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.258	0.200	--	1.06	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.06	0.500	--	4.34	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.01	0.200	--	11.3	0.754	--		1
2-Hexanone	0.571	0.200	--	2.34	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.81	0.200	--	19.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.949	0.200	--	4.12	0.869	--		1

Project Name: 37 GRAMERCY PARK, E
Project Number: 13542:4
Lab Number: L2442765
Report Date: 08/01/24

SAMPLE RESULTS

Lab ID: L2442765-01
Client ID: SV-4
Sample Location: 37 GRAMERCY PARK, E

Date Collected: 07/30/24 09:25
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	4.48	0.400	--	19.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.54	0.200	--	6.69	0.869	--		1
4-Ethyltoluene	0.628	0.200	--	3.09	0.983	--		1
1,3,5-Trimethylbenzene	0.488	0.200	--	2.40	0.983	--		1
1,2,4-Trimethylbenzene	2.66	0.200	--	13.1	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	1.24	0.200	--	6.50	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name: 37 GRAMERCY PARK, E
Project Number: 13542:4
Lab Number: L2442765
Report Date: 08/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/31/24 16:05

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1953820-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 37 GRAMERCY PARK, E
Project Number: 13542:4
Lab Number: L2442765
Report Date: 08/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/31/24 16:05

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1953820-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 37 GRAMERCY PARK, E
Project Number: 13542:4
Lab Number: L2442765
Report Date: 08/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/31/24 16:05

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1953820-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK, E

Project Number: 13542:4

Lab Number: L2442765

Report Date: 08/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1953820-3								
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	91		-		70-130	-		
Freon-114	103		-		70-130	-		
Vinyl chloride	88		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Bromomethane	105		-		70-130	-		
Chloroethane	99		-		70-130	-		
Ethanol	89		-		40-160	-		
Vinyl bromide	82		-		70-130	-		
Acetone	93		-		40-160	-		
Trichlorofluoromethane	92		-		70-130	-		
Isopropanol	95		-		40-160	-		
1,1-Dichloroethene	89		-		70-130	-		
Tertiary butyl Alcohol	94		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	82		-		70-130	-		
Freon-113	87		-		70-130	-		
trans-1,2-Dichloroethene	81		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK, E

Project Number: 13542:4

Lab Number: L2442765

Report Date: 08/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1953820-3								
Ethyl Acetate	84		-		70-130	-		
Chloroform	94		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
1,2-Dichloroethane	89		-		70-130	-		
n-Hexane	87		-		70-130	-		
1,1,1-Trichloroethane	97		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		
Cyclohexane	88		-		70-130	-		
1,2-Dichloropropane	88		-		70-130	-		
Bromodichloromethane	102		-		70-130	-		
1,4-Dioxane	91		-		70-130	-		
Trichloroethene	86		-		70-130	-		
2,2,4-Trimethylpentane	87		-		70-130	-		
Heptane	101		-		70-130	-		
cis-1,3-Dichloropropene	106		-		70-130	-		
4-Methyl-2-pentanone	105		-		70-130	-		
trans-1,3-Dichloropropene	114		-		70-130	-		
1,1,2-Trichloroethane	88		-		70-130	-		
Toluene	86		-		70-130	-		
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 37 GRAMERCY PARK, E

Project Number: 13542:4

Lab Number: L2442765

Report Date: 08/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1953820-3								
Tetrachloroethene	85		-		70-130	-		
Chlorobenzene	93		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	102		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	95		-		70-130	-		
o-Xylene	93		-		70-130	-		
4-Ethyltoluene	91		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Benzyl chloride	124		-		70-130	-		
1,3-Dichlorobenzene	97		-		70-130	-		
1,4-Dichlorobenzene	97		-		70-130	-		
1,2-Dichlorobenzene	89		-		70-130	-		
1,2,4-Trichlorobenzene	92		-		70-130	-		
Naphthalene	81		-		70-130	-		
Hexachlorobutadiene	89		-		70-130	-		

Project Name: 37 GRAMERCY PARK, E

Lab Number: L2442765

Project Number: 13542:4

Report Date: 08/01/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2442765-01	SV-4	02327	Flow 1	07/29/24	478316		-	-	-	Pass	160	161	1
L2442765-01	SV-4	3122	6.0L Can	07/29/24	478316	L2440017-04	Pass	-29.5	-6.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2440017
Report Date: 08/01/24

Air Canister Certification Results

Lab ID: L2440017-04
Client ID: CAN 952 SHELF 52
Sample Location:

Date Collected: 07/16/24 18:00
Date Received: 07/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/17/24 17:52
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2440017
Report Date: 08/01/24

Air Canister Certification Results

Lab ID: L2440017-04
Client ID: CAN 952 SHELF 52
Sample Location:

Date Collected: 07/16/24 18:00
Date Received: 07/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2440017
Report Date: 08/01/24

Air Canister Certification Results

Lab ID: L2440017-04
Client ID: CAN 952 SHELF 52
Sample Location:

Date Collected: 07/16/24 18:00
Date Received: 07/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2440017
Report Date: 08/01/24

Air Canister Certification Results

Lab ID: L2440017-04
Client ID: CAN 952 SHELF 52
Sample Location:

Date Collected: 07/16/24 18:00
Date Received: 07/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2440017
Report Date: 08/01/24

Air Canister Certification Results

Lab ID: L2440017-04
Client ID: CAN 952 SHELF 52
Sample Location:

Date Collected: 07/16/24 18:00
Date Received: 07/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	86		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2440017
Report Date: 08/01/24

Air Canister Certification Results

Lab ID: L2440017-04
Client ID: CAN 952 SHELF 52
Sample Location:

Date Collected: 07/16/24 18:00
Date Received: 07/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/17/24 17:52
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2440017
Report Date: 08/01/24

Air Canister Certification Results

Lab ID: L2440017-04
Client ID: CAN 952 SHELF 52
Sample Location:

Date Collected: 07/16/24 18:00
Date Received: 07/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2440017

Project Number: CANISTER QC BAT **Report Date:** 08/01/24

Air Canister Certification Results

Lab ID: L2440017-04
Client ID: CAN 952 SHELF 52
Sample Location:

Date Collected: 07/16/24 18:00
Date Received: 07/17/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: 37 GRAMERCY PARK, E
Project Number: 13542:4

Lab Number: L2442765
Report Date: 08/01/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2442765-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	37 GRAMERCY PARK, E	**Lab Number:**	L2442765
Project Number:	13542:4	**Report Date:**	08/01/24

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: Data Usability Report

Project Name:	37 GRAMERCY PARK, E	**Lab Number:**	L2442765
Project Number:	13542:4	**Report Date:**	08/01/24

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	37 GRAMERCY PARK, E	**Lab Number:**	L2442765
Project Number:	13542:4	**Report Date:**	08/01/24

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: 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
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.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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:

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

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

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

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE ____ OF ____

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 7/31/24

ALPHA Job #: L2442765

Client Information

Client: SEST

Address: 959 US 46 FL 5S300 Parsippany NJ, 07054

Phone: (973)808 9050

Fax:

Email: James.VanderVilet@ses.org

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 37 ~~Gramercy~~ park E

Project Location: 37 Gramercy park, E

Project #: 13042:4

Project Manager: James VanderVilet/Jeff Lanoff

ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)

Date Due: 1 day Time:

Report Information - Data Deliverables

☐ FAX

☑ ADEx

Criteria Checker: NYSDOH Matrix A-F

(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-15 (CAT -15)	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
42765-01	SV-4	7/30	8:55	9:25	-29.34	-5.07	SV	CB	6L	3122	2327	✓						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: Summa

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Paul Mazzella	7/30/24 1120	Paul Mazzella	7/30/24 1120

(25-Sep-15)