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Phase II
Environmental
Site Assessment Report

For:

Block 2487, Lot 38

1140 River Avenue

Bronx, NY 10452

Prepared for:

River Avenue BC LLC

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LIST OF ACRONYMS

Acronym	Definition
AWQS	Class GA Ambient Water Quality Standards and Guidance Values
ELAP	Environmental laboratory Accreditation Program
ESA	Environmental Site Assessment
MSL	Mean Sea Level
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyls
PAH	Polycyclic Aromatic Hydrocarbons
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PID	Photoionization Detector
POTGW SCO	Protection of Groundwater Soil Cleanup Objectives
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
TOGS	Technical and Operational Guidance Series 1.1.1
USCO	Unrestricted Use Soil Cleanup Objective
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VAPS	volume-averaged purging and sampling
VOC	Volatile Organic Compound

1.0 INTRODUCTION

SESI Consulting Engineers (SESI) conducted this limited Phase II Environmental Site Assessment (Phase II ESA) on behalf of River Avenue BC LLC for the property located at 1140 River Avenue, Bronx, New York (herein referred to as the "Subject Property" or "Site"). The Subject Property is identified on local tax maps as Block 2487, Lot 38. A Site Location Map is presented as **Figure 1.1**. A Tax Map is presented as **Figure 1.2**.

The Subject Property is composed of an approximately 0.39-acre lot that has been developed with a paved parking lot. A Subject Property Plan is presented as **Figure 1.3**.

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 Subject Property is currently developed with an at-grade parking lot and courtyard associated with the adjacent residential building to the east. The Site is bound by McClellan Street to the north and River Avenue to the west. The Subject Property historically contained auto repair garages (circa 1954-1984).

Topographically, the project area generally slopes downward to the south/southeast with an approximate elevation of 38.74 feet above msl. The street grade along River Avenue slopes from 34 to 39 feet above msl (from south to north) and from 39 to 43 feet above msl (from west to east). The at-grade parking lot surface grades vary from 34 to 41 feet above msl (west to east).

The Site is situated within a mixed-use residential and commercial area. Adjacent properties are summarized in **Table 1.1** below.

Table 1.1: Summary of Surrounding Properties

Direction	**Adjacent Property**
North	Apartments and Parking
South	Apartments

Direction	Adjacent Property
East	Apartments
West	Parks and Recreation

Based on drawings provided by the project team, the proposed development consists of constructing a 20-story building with one below-grade level.

1.2. SITE HISTORY

A summary of Site history is provided in **Table 1.2** below:

Table 1.2: Summary of Site History

Year developed	Operation
Appx. 1954	~1924 to ~1954: Cleared/vacant ~1954 to ~1991: Auto Repair garages ~1991 to present: Paved/vacant

Based on the information above, various operations at the Site have likely involved the use of hazardous materials and petroleum products, which could include but are not limited to fuel storage and dispensing, vehicle maintenance and repair, and solvent use for cleaning.

1.3. CONTAMINANTS OF CONCERN

Based on the historical operations at the Site, a list of contaminants of concern is summarized below:

Table 1.3: Summary of Contaminants of Concern

Contaminants	Associated Activities
PAHs	Used motor oil and lubricants, fuel handling and storage, historic fill
Metals	Used motor oil, coolants, paints and primers, historic fill
Chlorinated Solvents	Parts cleaning and degreasing
Petroleum Products	Engine oil, lubricants, transmission fluids

1.4. PREVIOUS ENVIRONMENTAL INVESTIGATIONS AND REMEDIATIONS

In November 2024, SESI performed a Phase I ESA which identified three Recognized Environmental Concerns (RECs) in connection with the Subject Property:

- **REC 1 – Known Subject Property Contamination:** An environmental Phase II investigation was completed by SESI in 2024. Pesticides, metals and SVOCs were found above NYSDEC soil cleanup objectives in soil. Additionally, VOC, SVOC, pesticides, PAHs, metals and PFAS were found above NYSDEC groundwater quality standards in groundwater. Finally, elevated benzene was detected in soil vapor. **Therefore, further investigation/remediation is warranted.**
- **REC 2 – Subject Property Historic Fill:** SESI identified historic fill throughout the subject property up to 10 feet during the 2024 Phase II investigation. Furthermore, the 1947 and 1956 topographic maps indicate historic fill due to the changes in contour lines. **Therefore, further investigation/remediation is warranted.**
- **REC 3 – Historic Subject Property Operations:** The Sanborn fire insurance maps indicated auto repair garages (circa 1969-1981) at the west on the subject property. Additionally, the aerial photographs indicated car garages (1954-1984). **Therefore, further investigation/remediation is warranted.**

Based on the operation history of the site, various operations at the Site have likely involved the use of hazardous materials and petroleum products, which could include but are not limited to fuel storage and dispensing, vehicle maintenance and repair, and solvent use for cleaning. Therefore, further investigation of the Site was warranted.

A copy of the Phase I ESA report prepared by SESI is included in Appendix C.

2.0 SUBSURFACE INVESTIGATION

SESI conducted a Phase II ESA to investigate potential environmental impacts at the Site. 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 fieldwork was conducted on August 12 and 13, 2024 and September 16, 2024.

In addition, a geotechnical investigation was conducted by Bilow Engineering LLC. A total of nine (9) geotechnical borings were installed between September 30 and October 4, 2024, which provided supplemental information regarding the lithology of the Site.

A copy of the Geotechnical Engineering report prepared by Bilow Engineering, LLC is included in **Appendix C.**

2.1. UTILITY CLEARANCE AND GEOPHYSICAL SURVEY

Prior to subsurface drilling, SESI's drilling contractor, PG Environmental Services, Inc., contacted New York's utility mark-out system. Additionally, SESI retained PG Environmental Services, Inc. to locate underground utilities not covered by the one-call system and to conduct a geophysical survey at the Site using ground-penetrating radar (GPR) and electromagnetic (EM) detection. The GPR/EM survey was performed to clear soil boring locations.

2.2. PHASE II ESA FIELD ACTIVITIES

Forty-one (41) direct push borings were advanced using a Geoprobe on the Site. Boring locations were distributed throughout the footprint of the Site and targeted to areas of suspected impacts.

A total of 41 soil samples, two (2) groundwater samples, and three (3) soil vapor samples were collected and analyzed at Pace Analytical, a laboratory certified under the New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP). The boring and sampling locations are shown in **Figure 2.1**, and a sample summary table is provided as **Table 2.1**.

The soil cores 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 based on field screening 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 TW-1 and TW-2 were cored into the underlying bedrock and were distributed throughout the footprint of the Site and targeted to areas of suspected impacts. Each temporary well was constructed with a 1-inch casing and a screen up to 10 feet installed to the bottom of the borings. All temporary wells were sampled using the volume-averaged purging and sampling (VAPS) method.

Three (3) soil vapor samples were installed to 5 feet below ground surface and were distributed throughout the footprint of the Site and targeted to areas of suspected impacts. Helium tests were conducted prior to sampling to confirm the integrity of the enclosure and ensure there were no leaks. Soil vapor samples were collected using 6-liter Summa canisters with a 2-hour collection period. All sampling was performed in accordance with the *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (October 2006).

Soil samples SB-01 through SB-15 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. Additionally, soil samples SB-01 and SB-07 were analyzed for per and polyfluoroalkyl substances (PFAS) by EPA Method 1633. Soil samples SB-101 through SB-125 were analyzed for select TCL+30/TAL parameters as shown in **Table 2.1** below. Groundwater samples collected at TW-1 and TW-2 were analyzed for TCL/TAL+30 parameters with 1,4-Dioxane and PFAS. 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 (ft)	Date	Analysis
SB-01	Soil Boring	8	1-1.5	8/12/2024	TCL+30/TAL and PFAS
SB-02	Soil Boring	10	2-2.5	8/12/2024	TCL+30/TAL
SB-03	Soil Boring	17	2.5-3	8/12/2024	TCL+30/TAL
SB-04	Soil Boring	10	0.5-1	8/12/2024	TCL+30/TAL
SB-05	Soil Boring	7	1-1.5	8/12/2024	TCL+30/TAL
SB-06	Soil Boring	10	1-1.5	8/12/2024	TCL+30/TAL
SB-07	Soil Boring	10	8.5-9	8/12/2024	TCL+30/TAL and PFAS
SB-08	Soil Boring	9.5	1.5-2	8/12/2024	TCL+30/TAL
SB-09	Soil Boring	10	3.5-4	8/12/2024	TCL+30/TAL
SB-10	Soil Boring	10	3-3.5	8/12/2024	TCL+30/TAL
SB-11	Soil Boring	10	1.5-2	8/13/2024	TCL+30/TAL
SB-12	Soil Boring	10	1-1.5	8/13/2024	TCL+30/TAL
SB-13	Soil Boring	10	2.5-3	8/12/2024	TCL+30/TAL
SB-14	Soil Boring	10	2-2.5	8/12/2024	TCL+30/TAL

Soil Samples					
SB-15	Soil Boring	10	3-3.5	8/13/2024	TCL+30/TAL
SB-101	Soil Boring	10	3-3.5	9/16/2024	Metals and SVOCs
SB-102	Soil Boring	4	2-2.5	9/16/2024	Metals and SVOCs
SB-103	Soil Boring	10	4-4.5	9/16/2024	Metals and SVOCs
SB-104	Soil Boring	7	3-3.5	9/16/2024	Metals and SVOCs
SB-105	Soil Boring	10	2.5-3	9/16/2024	Metals, SVOCs, VOCs, and PCBs
SB-106	Soil Boring	10	8-8.5	9/16/2024	Metals, SVOCs, VOCs, and PCBs
SB-107	Soil Boring	10	7.5-8	9/16/2024	Metals, SVOCs, and PCBs
SB-108	Soil Boring	10	4-4.5	9/16/2024	Metals and SVOCs
SB-109	Soil Boring	10	4-4.5	9/16/2024	Metals and SVOCs
SB-110	Soil Boring	10	2-2.5	9/16/2024	Metals and SVOCs
SB-111	Soil Boring	10	2-2.5	9/16/2024	Metals and SVOCs
SB-112	Soil Boring	10	3-3.5	9/16/2024	Metals, SVOCs, and PCBs
SB-113	Soil Boring	10	3-3.5	9/16/2024	Metals, SVOCs, VOCs, and PCBs
SB-114	Soil Boring	10	4-4.5	9/16/2024	Metals, SVOCs, and PCBs
SB-115	Soil Boring	10	4-4.5	9/16/2024	Metals and SVOCs
SB-116	Soil Boring	10	3.5-4	9/16/2024	Metals, SVOCs, and PCBs
SB-117	Soil Boring	10	2-2.5	9/16/2024	Metals and SVOCs
SB-118	Soil Boring	10	2-2.5	9/16/2024	Metals and SVOCs
SB-119	Soil Boring	10	3-3.5	9/16/2024	Metals, SVOCs, VOCs, and PCBs
SB-120	Soil Boring	10	2.5-3	9/16/2024	Metals and SVOCs
SB-121	Soil Boring	10	3.5-4	9/16/2024	Metals and SVOCs
SB-122	Soil Boring	10	4-4.5	9/16/2024	Metals, SVOCs, and PCBs
SB-123	Soil Boring	10	4-4.5	9/16/2024	Metals, SVOCs, VOCs, and PCBs
SB-124	Soil Boring	10	2.5-3	9/16/2024	Metals and SVOCs
SB-125	Soil Boring	10	3.5-4	9/16/2024	Metals and SVOCs
Groundwater Samples					
Location Name	Terminal Depth (ft)	Screen Interval (ft)	Depth to Water (ft)	Date	Analysis
TW-1 / SB-11	32.5	22.5-32.5	26.30	8/13/2024	TCL+30/TAL, 1,4-Dioxane, and PFAS
TW-2	27.75	17.75-27.75	22.75	8/13/2024	TCL+30/TAL, 1,4-Dioxane, and PFAS
Soil Vapor Samples					
Location Name	Type	Maximum Depth (ft)	Sample Depth (ft)	Date	Analysis
SV-1	Sub-Slab	-	5	8/13/2024	TO-15
SV-2	Sub-Slab	-	5	8/13/2024	TO-15
SV-3	Sub-Slab	-	5	8/13/2024	TO-15

3.0 PHASE II ESA FINDINGS

3.1. GEOLOGY AND HYDROGEOLOGY

The Geotechnical Engineering report prepared by Bilow Engineering, LLC, dated December 2, 2024, provided supplemental information regarding the lithology of the Site. A total of nine (9) geotechnical borings were installed between September 30 and October 4, 2024. The investigation data indicates the subsurface conditions at the site generally consist of surficial materials, underlain by uncontrolled fill, underlain by sand, underlain by decomposed rock, and underlain further by competent bedrock.

The report states surface materials consisted of asphalt, concrete and sub-base granular materials measured up to six (6) inches.

The report indicates the uncontrolled fill was encountered directly under the surface materials layer and extended to up to +-8 feet below existing grades. The uncontrolled fill generally consisted of sand with varying amounts of silt, gravel, brick, and asphalt. The fill is considered loose to dense.

The report indicates the sand layer was encountered directly below the fill layer and ranged between 5 to 15 feet in thickness. The sand was generally brown, medium-to-fine-grained, with varying amounts of silt. The sand is considered loose, medium-dense, and dense.

The report states weathered/decomposed rock material was encountered in all boring locations directly below the sand layer and continued to the top of the competent bedrock layer. The decomposed rock layer ranged between 5 to 15 feet in thickness and was generally gray and brown mica schist with varying amounts of sand and silt.

According to the report, bedrock was encountered in all boring locations directly below the decomposed rock layer and generally consisted of moderately to slightly weathered, gray mica schist. The top of the bedrock varied from 3 to 30 feet below the site slab. Lenses of decomposed rock were observed within the bedrock layer. Rock core recovery ranged from approximately 55 to 100 percent, with a Rock Quality Designation (RQD) ranging from approximately 35 to 67

percent. The upper portions of the bedrock are generally more weathered and RQD generally increases with depth.

The report states groundwater was not encountered until the boring drilling depths in bedrock and assumes that based on the experience in similar geological conditions, groundwater is expected to be perched on top of the bedrock during rainfall events. SESI's groundwater investigation conducted on August 13, 2024, set two (2) temporary monitoring wells to approximately 28 feet and 33 feet below ground surface, respectively. Bedrock was generally encountered at 10-15 feet, and groundwater was encountered in both borings at 23-26 feet. Each temporary well was constructed with a screen up to 10 feet installed to the bottom of the borings.

A copy of the Geotechnical Engineering report prepared by Bilow Engineering, LLC is included in **Appendix C.**

3.2. SOIL INVESTIGATION RESULTS

A table of the soil analytical results exceeding the NYSDEC Protection of Groundwater Soil Cleanup Objectives (POTGW SCO), 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** and on **Figure 3.1**. The laboratory analytical data is provided in **Appendix B.**

As presented on **Table 3.1** below, pesticides, PAHs, and metals were detected at the Site at concentrations exceeding POTGW SCOs, USCOs, RSCOs, and/or RRSCOs.

4,4'-DDE, 4,4'-DDD, arsenic, copper, lead, mercury, nickel, and zinc were detected at concentrations exceeding the USCOs.

Benzo(k)fluoranthene and chrysene were detected at concentrations exceeding their respective RSCOs.

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, arsenic, copper, and lead were detected at concentrations exceeding the RRSCOs.

Additionally, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, arsenic, and lead were detected at concentrations exceeding the POTGW SCOs.

In summary, while soil contamination from historic fill is widespread, elevated PAH and metal concentrations were observed at levels exceeding the RRSCOs, likely attributable to past Site operations. Additionally, pesticide-impacted soil was identified at SB-03 where 4,4'-DDE and 4,4'-DDD were detected at concentrations exceeding USCOs.

Interpretation of the data and recommendations are discussed in **Section 4.0**.

Table 3.1: Summary of Soil Sample Exceedances

LOCATION						SB-01 (1-1.5)	SB-02 (2-2.5)	SB-03 (2.5-3)	SB-04 (0.5-1)	SB-05 (1-1.5)	SB-06 (1-1.5)	SB-07 (8.5-9)	SB-08 (1.5-2)	SB-09 (3.5-4)
SAMPLING DATE						8/12/2024	8/12/2024	8/12/2024	8/12/2024	8/12/2024	8/12/2024	8/12/2024	8/12/2024	8/12/2024
LAB SAMPLE ID						L2445515-01	L2445515-02	L2445515-03	L2445515-04	L2445515-05	L2445515-06	L2445515-07	L2445515-08	L2445515-09
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE DEPTH (ft.)						1'-1.5'	2'-2.5'	2.5'-3'	0.5'-1'	1'-1.5'	1'-1.5'	8.5'-9'	1.5'-2'	3.5'-4'
	USCOs	RSCOs	RRSCOs	RESGW	Units									
Organochlorine Pesticides by GC														
4,4'-DDE	0.0033	1.8	8.9	17	mg/kg	ND(0.00168)	ND(0.00173)	**0.00354**	0.000695	ND(0.0018)	0.000626	ND(0.00174)	ND(0.00175)	ND(0.00171)
4,4'-DDD	0.0033	2.6	13	14	mg/kg	ND(0.00168)	ND(0.00173)	**0.0114**	0.000767	ND(0.0018)	ND(0.0017)	ND(0.00174)	ND(0.00175)	ND(0.00171)
Semivolatile Organics by GC/MS														
Benzo(a)anthracene	1	1	1	1	mg/kg	0.93	0.22	0.79	0.27	0.11	0.16	ND(0.11)	0.033	0.046
Benzo(a)pyrene	1	1	1	22	mg/kg	0.99	0.23	0.86	0.3	0.12	0.2	ND(0.15)	ND(0.15)	0.047
Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	**1.3**	0.29	**1.1**	0.38	0.13	0.24	ND(0.11)	0.045	0.057
Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.45	0.08	0.39	0.12	0.055	0.077	ND(0.11)	ND(0.11)	ND(0.11)
Chrysene	1	1	3.9	1	mg/kg	0.9	0.2	0.75	0.26	0.11	0.17	ND(0.11)	0.032	0.04
Dibenzo(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	0.16	0.031	0.13	0.047	ND(0.11)	0.029	ND(0.11)	ND(0.11)	ND(0.11)
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	**0.67**	0.15	**0.61**	0.2	0.051	0.11	ND(0.15)	0.026	0.031
Total Metals														
Arsenic, Total	13	16	16	16	mg/kg	3.18	3.29	9.16	7.49	3.19	3.48	10.7	3.77	4.33
Copper, Total	50	270	270	1720	mg/kg	18.4	21.6	38.3	**59.3**	21.7	14.8	18.6	44.7	24.6
Lead, Total	63	400	400	450	mg/kg	7.09	49.5	**293**	60.5	**74.1**	59.2	6.39	**87.1**	43.6
Mercury, Total	0.18	0.81	0.81	0.73	mg/kg	ND(0.076)	0.081	**0.251**	0.085	0.125	0.104	ND(0.078)	0.094	0.095
Nickel, Total	30	140	310	130	mg/kg	22.6	14.6	17	16.6	13.3	13.8	17.7	16.6	27.4
Zinc, Total	109	2200	10000	2480	mg/kg	43.9	89.4	**682**	**110**	**182**	53.1	39.4	102	75

ND: Not Detected

Concentration Exceeds USCOs

Concentration Exceeds RSCOs

Concentration Exceeds RRSCOs

Concentration Exceeds RESGW

ABBREVIATIONS:

RESGW = Groundwater Criteria, New York Restricted use Criteria (6 NYCRR Part 375-6 12/06)

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.

Table 3.1: Summary of Soil Sample Exceedances - Continued

LOCATION						SB-10 (3-3.5)	SB-13 (2.5-3)	SB-14 (2-2.5)	SB-11 (1.5-2)	SB-12 (1-1.5)	SB-15 (3-3.5)	SB-101 (3-3.5)	SB-102 (2-2.5)	SB-103 (4-4.5)
SAMPLING DATE						8/12/2024	8/12/2024	8/12/2024	8/13/2024	8/13/2024	8/13/2024	9/16/2024	9/16/2024	9/16/2024
LAB SAMPLE ID						L2445515-10	L2445515-11	L2445515-12	L2445869-01	L2445869-02	L2445869-03	L2453181-01	L2453181-02	L2453181-03
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE DEPTH (ft.)						3'-3.5'	2.5'-3'	2'-2.5'	1.5'-2'	1'-1.5'	3'-3.5'	3'-3.5'	2'-2.5'	4'-4.5'
	USCOs	RSCOs	RRSCOs	RESGW	Units									
Organochlorine Pesticides by GC														
4,4'-DDE	0.0033	1.8	8.9	17	mg/kg	0.00121	ND(0.00172)	0.000844	ND(0.00179)	0.000546	0.000925	-	-	-
4,4'-DDD	0.0033	2.6	13	14	mg/kg	0.00194	ND(0.00172)	ND(0.00174)	ND(0.00179)	ND(0.00168)	ND(0.00173)	-	-	-
Semivolatile Organics by GC/MS														
Benzo(a)anthracene	1	1	1	1	mg/kg	0.17	0.15	0.14	0.079	0.061	0.14	0.085	0.15	0.021
Benzo(a)pyrene	1	1	1	22	mg/kg	0.16	0.17	0.15	0.074	0.076	0.15	0.086	0.16	ND(0.14)
Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.21	0.22	0.19	0.1	0.098	0.2	0.11	0.21	ND(0.1)
Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.063	0.068	0.066	0.038	0.034	0.07	0.041	0.076	ND(0.1)
Chrysene	1	1	3.9	1	mg/kg	0.14	0.15	0.13	0.063	0.059	0.14	0.08	0.14	0.02
Dibenzo(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	0.024	0.028	0.024	ND(0.11)	ND(0.11)	0.028	ND(0.11)	0.026	ND(0.1)
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.11	0.13	0.1	0.049	0.048	0.1	0.063	0.12	ND(0.14)
Total Metals														
Arsenic, Total	13	16	16	16	mg/kg	3.25	3.84	5.93	3.59	4.5	4.03	5.62	1.81	1.86
Copper, Total	50	270	270	1720	mg/kg	24	29.3	14.4	30.6	26.7	37.5	26.5	15.3	19.8
Lead, Total	63	400	400	450	mg/kg	**72.4**	**143**	25.1	**86.1**	41	26.3	25.1	15.5	9.09
Mercury, Total	0.18	0.81	0.81	0.73	mg/kg	0.078	0.144	0.097	**0.225**	0.081	ND(0.086)	ND(0.073)	ND(0.074)	ND(0.074)
Nickel, Total	30	140	310	130	mg/kg	13.1	14.8	7.86	19.2	13.9	27.7	20.2	8.37	17.4
Zinc, Total	109	2200	10000	2480	mg/kg	**117**	91.7	38.4	104	65.8	75.4	**122**	41.6	34

ND: Not Detected

Concentration Exceeds USCOs

Concentration Exceeds RSCOs

Concentration Exceeds RRSCOs

Concentration Exceeds RESGW

ABBREVIATIONS:

RESGW = Groundwater Criteria, New York Restricted use Criteria (6 NYCRR Part 375-6 12/06)

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.

Table 3.1: Summary of Soil Sample Exceedances - Continued

LOCATION						SB-104 (3-3.5)	SB-105 (2.5-3)	SB-106 (8-8.5)	SB-107 (7.5-8)	SB-108 (4-4.5)	SB-109 (4-4.5)	SB-110 (2-2.5)	SB-111 (2-2.5)	SB-112 (3-3.5)
SAMPLING DATE						9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024
LAB SAMPLE ID						L2453181-04	L2453181-05	L2453181-06	L2453181-07	L2453181-08	L2453181-09	L2453181-10	L2453181-11	L2453181-12
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE DEPTH (ft.)						3'-3.5'	2.5'-3'	8'-8.5'	7.5'-8'	4'-4.5'	4'-4.5'	2'-2.5'	2'-2.5'	3'-3.5'
	USCOs	RSCOs	RRSCOs	RESGW	Units									
Organochlorine Pesticides by GC														
4,4'-DDE	0.0033	1.8	8.9	17	mg/kg	-	-	-	-	-	-	-	-	-
4,4'-DDD	0.0033	2.6	13	14	mg/kg	-	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS														
Benzo(a)anthracene	1	1	1	1	mg/kg	0.044	0.17	ND(0.14)	0.25	ND(0.11)	ND(0.12)	0.032	5.3	0.036
Benzo(a)pyrene	1	1	1	22	mg/kg	ND(0.14)	0.17	ND(0.18)	0.26	ND(0.15)	ND(0.15)	ND(0.15)	5.1	ND(0.16)
Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.054	0.22	ND(0.14)	0.36	ND(0.11)	ND(0.12)	0.044	6.8	0.052
Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	ND(0.11)	0.068	ND(0.14)	0.13	ND(0.11)	ND(0.12)	ND(0.11)	1.7	ND(0.12)
Chrysene	1	1	3.9	1	mg/kg	0.039	0.15	ND(0.14)	0.25	ND(0.11)	ND(0.12)	0.032	4.8	0.036
Dibenzo(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	ND(0.11)	0.029	ND(0.14)	0.045	ND(0.11)	ND(0.12)	ND(0.11)	0.87	ND(0.12)
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.033	0.12	ND(0.18)	0.2	ND(0.15)	ND(0.15)	ND(0.15)	3.7	0.03
Total Metals														
Arsenic, Total	13	16	16	16	mg/kg	5.02	4.89	1.82	2.08	3.2	3.72	3.34	4.06	3.07
Copper, Total	50	270	270	1720	mg/kg	20.3	16.8	26.3	23.5	26.1	11.4	15	46.2	45
Lead, Total	63	400	400	450	mg/kg	9.77	66.3	8.7	32.4	14.8	8.13	15.2	433	60.2
Mercury, Total	0.18	0.81	0.81	0.73	mg/kg	ND(0.078)	0.11	ND(0.088)	0.107	ND(0.074)	ND(0.074)	0.057	0.252	0.078
Nickel, Total	30	140	310	130	mg/kg	22	12	19	17.2	18	15.8	16	12.6	30.8
Zinc, Total	109	2200	10000	2480	mg/kg	45.2	113	60.2	83.2	33	29.1	41.4	292	118

ND: Not Detected

Concentration Exceeds USCOs
Concentration Exceeds RSCOs
Concentration Exceeds RRSCOs
Concentration Exceeds RESGW

ABBREVIATIONS:

RESGW = Groundwater Criteria, New York Restricted use Criteria (6 NYCRR Part 375-6 12/06)
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.

Table 3.1: Summary of Soil Sample Exceedances - Continued

LOCATION						SB-113 (3-3.5)	SB-114 (4-4.5)	SB-115 (4.5-5)	SB-116 (3.5-4)	SB-117 (2-2.5)	SB-118 (2-2.5)	SB-119 (3-3.5)	SB-120 (2.5-3)	SB-121 (3.5-4)
SAMPLING DATE						9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024
LAB SAMPLE ID						L2453181-13	L2453181-14	L2453181-15	L2453181-16	L2453181-17	L2453181-18	L2453181-19	L2453181-20	L2453181-21
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE DEPTH (ft.)						3'-3.5'	4'-4.5'	4'-4.5'	3.5'-4'	2'-2.5'	2'-2.5'	3'-3.5'	2.5'-3'	3.5'-4'
	USCOs	RSCOs	RRSCOs	RESGW	Units									
Organochlorine Pesticides by GC														
4,4'-DDE	0.0033	1.8	8.9	17	mg/kg	-	-	-	-	-	-	-	-	-
4,4'-DDD	0.0033	2.6	13	14	mg/kg	-	-	-	-	-	-	-	-	-
Semivolatile Organics by GC/MS														
Benzo(a)anthracene	1	1	1	1	mg/kg	0.45	1.9	1.4	1.4	0.17	0.19	0.34	3	0.17
Benzo(a)pyrene	1	1	1	22	mg/kg	0.48	1.9	1.3	1.4	0.17	0.19	0.35	2.8	0.19
Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	0.62	2.5	1.8	1.8	0.22	0.26	0.43	3.4	0.25
Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	0.17	0.65	0.62	0.47	0.066	0.074	0.14	1.1	0.086
Chrysene	1	1	3.9	1	mg/kg	0.46	1.9	1.4	1.3	0.16	0.18	0.31	2.7	0.18
Dibenzo(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	0.076	0.31	0.23	0.26	0.029	0.032	0.055	0.44	0.033
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	0.34	1.3	0.96	1	0.12	0.15	0.24	2	0.13
Total Metals														
Arsenic, Total	13	16	16	16	mg/kg	5.51	13.2	6.36	4.26	5.4	4.32	18.3	7.34	7.48
Copper, Total	50	270	270	1720	mg/kg	33.5	186	14.2	374	64.1	24.8	27.7	54.2	35.8
Lead, Total	63	400	400	450	mg/kg	490	962	129	274	115	93.6	147	342	766
Mercury, Total	0.18	0.81	0.81	0.73	mg/kg	0.662	0.277	0.201	0.272	0.078	0.17	0.421	0.218	0.167
Nickel, Total	30	140	310	130	mg/kg	7.64	24.1	12.8	22.2	18.6	17.2	17.2	19.8	13.8
Zinc, Total	109	2200	10000	2480	mg/kg	167	364	502	183	174	179	172	268	383

ND: Not Detected

Concentration Exceeds USCOs

Concentration Exceeds RSCOs

Concentration Exceeds RRSCOs

Concentration Exceeds RESGW

ABBREVIATIONS:

RESGW = Groundwater Criteria, New York Restricted use Criteria (6 NYCRR Part 375-6 12/06)

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.

Table 3.1: Summary of Soil Sample Exceedances - Continued

LOCATION						SB-122 (4-4.5)	SB-122 (4-4.5)	SB-123 (4-4.5)	SB-124 (2.5-3)	SB-125 (3.5-4)
SAMPLING DATE						9/16/2024	9/16/2024	9/16/2024	9/16/2024	9/16/2024
LAB SAMPLE ID						L2453181-22	L2453181-22 R1	L2453181-23	L2453181-24	L2453181-25
SAMPLE TYPE						SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE DEPTH (ft.)						4'-4.5'	4'-4.5'	4'-4.5'	2.5'-3'	3.5'-4'
	USCOs	RSCOs	RRSCOs	RESGW	Units					
Organochlorine Pesticides by GC										
4,4'-DDE	0.0033	1.8	8.9	17	mg/kg	-	-	-	-	-
4,4'-DDD	0.0033	2.6	13	14	mg/kg	-	-	-	-	-
Semivolatile Organics by GC/MS										
Benzo(a)anthracene	1	1	1	1	mg/kg	8.4	11	0.098	0.69	0.025
Benzo(a)pyrene	1	1	1	22	mg/kg	7.8	10	0.11	0.7	ND(0.15)
Benzo(b)fluoranthene	1	1	1	1.7	mg/kg	10	13	0.15	0.94	0.031
Benzo(k)fluoranthene	0.8	1	3.9	1.7	mg/kg	2.6	-	0.046	0.27	ND(0.11)
Chrysene	1	1	3.9	1	mg/kg	6.9	-	0.1	0.64	0.025
Dibenzo(a,h)anthracene	0.33	0.33	0.33	1000	mg/kg	1.4	-	ND(0.11)	0.11	ND(0.11)
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	8.2	mg/kg	5.9	-	0.083	0.47	ND(0.15)
Total Metals										
Arsenic, Total	13	16	16	16	mg/kg	5.24	-	4.76	6.52	3.87
Copper, Total	50	270	270	1720	mg/kg	54.3	-	72	54.4	23.5
Lead, Total	63	400	400	450	mg/kg	274	-	105	158	23.1
Mercury, Total	0.18	0.81	0.81	0.73	mg/kg	0.325	-	0.127	0.107	0.077
Nickel, Total	30	140	310	130	mg/kg	16	-	27.9	22.1	21.8
Zinc, Total	109	2200	10000	2480	mg/kg	166	-	198	1000	55.8

ND: Not Detected

Concentration Exceeds USCOs

Concentration Exceeds RSCOs

Concentration Exceeds RRSCOs

\# Concentration Exceeds RESGW

ABBREVIATIONS:

RESGW = Groundwater Criteria, New York Restricted use Criteria (6 NYCRR Part 375-6 12/06)

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.

3.3. GROUNDWATER INVESTIGATION RESULTS

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

As presented on **Table 3.2** below, pesticides, Perfluorinated Compounds (PFOA & PFOS), phenol, PAHs, select metals, and chloroform, a VOC, at concentrations exceeding AWQSs.

Please note that these samples were unfiltered and collected from temporary wells, and, additionally, samples were collected using VAPS, which may have resulted in metal concentrations being skewed higher due to the presence of sediment.

Interpretations of the data and recommendations are discussed in **Section 4.0**.

Table 3.2: Summary of Groundwater Sample Exceedances

LOCATION			TW-1	TW-2
SAMPLING DATE			8/13/2024	8/13/2024
LAB SAMPLE ID			L2445869-05	L2445869-06
SAMPLE TYPE			WATER	WATER
SCREEN INTERVAL (ft. bgs)			25'-30'	25'-30'
	AWQS	Units		
Organochlorine Pesticides by GC				
Dieldrin	0.004	ug/l	**0.019**	ND(0.029)
Perfluorinated Alkyl Acids by EPA 1633				
Perfluorooctanoic Acid (PFOA)	0.0067	ug/l	**0.0295**	**0.0236**
Perfluorooctanesulfonic Acid (PFOS)	0.0027	ug/l	**0.00894**	**0.00886**
Semivolatile Organics by GC/MS				
Phenol	1	ug/l	**1.5**	ND(5)
Semivolatile Organics by GC/MS-SIM				
Benzo(a)anthracene	0.002	ug/l	ND(0.1)	**0.03**
Benzo(b)fluoranthene	0.002	ug/l	ND(0.1)	**0.03**
Total Metals				
Iron, Total	300	ug/l	**1080**	**2310**
Magnesium, Total	35000	ug/l	**39200**	**62500**
Sodium, Total	20000	ug/l	**36000**	**35600**
Volatile Organics by GC/MS				
Chloroform	7	ug/l	**22**	**27**

ND: Not Detected

Concentration Exceeds AWQS

ug/l = Micrograms per liter.

3.4. SUB-SLAB/SOIL VAPOR INVESTIGATION RESULTS

Three (3) soil vapor samples were collected and analyzed for VOCs in accordance with EPA Method TO-15. A summary of the soil vapor exceedances is presented on **Table 3.3** and on **Figure 3.3**. The laboratory analytical report is provided in **Appendix B**.

The concentrations were compared against the NYSDEC Matrices A-F Sub-slab Vapor Concentrations Criteria (NY-SSC). No VOC exceedances were identified in SV-1 and SV-2. However, in SV-3, benzene was detected at concentrations exceeding the NY-SSC but below 10x of NYSSC, . which indicates the past use and release of petroleum products at the Site.

Interpretations of the data and recommendations are discussed in **Section 4.0**.

Table 3.3: Summary of Soil Vapor Exceedances

LOCATION			SV-1	SV-2	SV-3
SAMPLING DATE			8/13/2024	8/13/2024	8/13/2024
LAB SAMPLE ID			L2445913-01	L2445913-02	L2445913-03
SAMPLE TYPE			SOIL_VAPOR	SOIL_VAPOR	SOIL_VAPOR
SAMPLE DEPTH (ft.)					
	SSC-A-F	Units			
Volatile Organics in Air					
Benzene	60	ug/m3	10.9	9.01	**495**

ug/m3 = Micrograms per cubic meter.
Concentration Exceeds SSC-A-F

4.0 CONCLUSIONS AND RECOMMENDATIONS

The exceedances in soil, groundwater, and soil vapor identified during the investigation are likely attributable to historic fill as well as historic on-site operations.

4.1. SOIL

Analytical results from the soil investigation identified pesticides, PAHs, and metals at concentrations exceeding POTGW SCOs, USCOs, RSCOs, and/or RRSCOs.

Pesticides

Pesticides 4,4'-DDE and 4,4'-DDD were identified in soil sample SB-03 at levels exceeding the USCO. The elevated pesticide exceedances suggest contamination resulted from historic fill.

PAHs

PAH-contaminated soil was identified throughout the Subject Property (SB-01, SB-03, SB-111, SB-114, SB-115, SB-116, SB-120, and SB-122) at levels exceeding the POTGW SCOs, USCOs, RSCOs, and/or RRSCOs.

While PAHs are commonly associated with historic fill, the elevated levels in these areas are likely due to releases occurring during transportation, staging, and handling of PAH-containing materials such as petroleum products during past Site operations.

Metals

Metal exceedances to USCO were widespread throughout the Subject Property. Exceedances to RRSCO were identified in soil samples SB-111, SB-113, SB-114, SB-116, SB-119, and SB-121. Arsenic, copper, and lead were detected at levels exceeding RRSCOs. Arsenic and lead were detected at levels exceeding POTGW SCOs.

The elevated metal exceedances suggest contamination resulted from historic site operations.

In conclusion, further investigation and remediation is recommended for soil prior to Site development.

4.2. GROUNDWATER

Analytical results from the groundwater investigation identified pesticides, Perfluorinated Compounds (PFOA & PFOS), phenol, PAHs, select metals, and chloroform, a VOC, at concentrations exceeding AWQSs.

Pesticides

The pesticide dieldrin was identified in groundwater sample TW-1 at a concentration exceeding the AWQS. The elevated pesticide exceedance suggests contamination resulting from historic fill.

PFAS

PFOA and PFOS exceedances were identified in both groundwater samples. The PFAS levels at the Site are typical of urban areas and are not indicative of an on-site source.

SVOCs

The SVOC phenol was identified in groundwater sample TW-1 at a concentration exceeding the AWQS.

PAH-contaminated groundwater was identified in groundwater sample TW-2 at concentrations exceeding the AWQS. The SVOC contamination is likely attributable to releases from historic Site operations.

Metals

Select metals—including iron, magnesium, and sodium—were detected in both groundwater samples at concentrations exceeding the AWQS. The samples are unfiltered and collected from temporary wells using VAPS, which may have resulted in metal concentrations being skewed higher due to the presence of sediment. The concentrations in groundwater may also be indicative of historic releases during historic Site operations.

VOCs

Chloroform was detected in both groundwater samples at concentrations exceeding the AWQS. Chloroform is a typical disinfection byproduct. It could also attributable to releases from historic site operations.

In conclusion, further investigation and remediation is recommended for groundwater.

4.3. SOIL VAPOR

No VOC exceedances were identified in SV-1 and SV-2. However, in SV-3, benzene was detected at a concentration exceeding the NY-SSC.

The presence of elevated levels of benzene indicates past use and release of petroleum products at the Site, which requires further investigation.

In conclusion, the vapor intrusion pathway should be further evaluated for the new development to determine whether a vapor mitigation system is necessary.

4.4. SUMMARY

Impacts to soil, groundwater, and soil vapor have been identified on the Site, with exceedances most likely resulting from a combination of historic site operations.

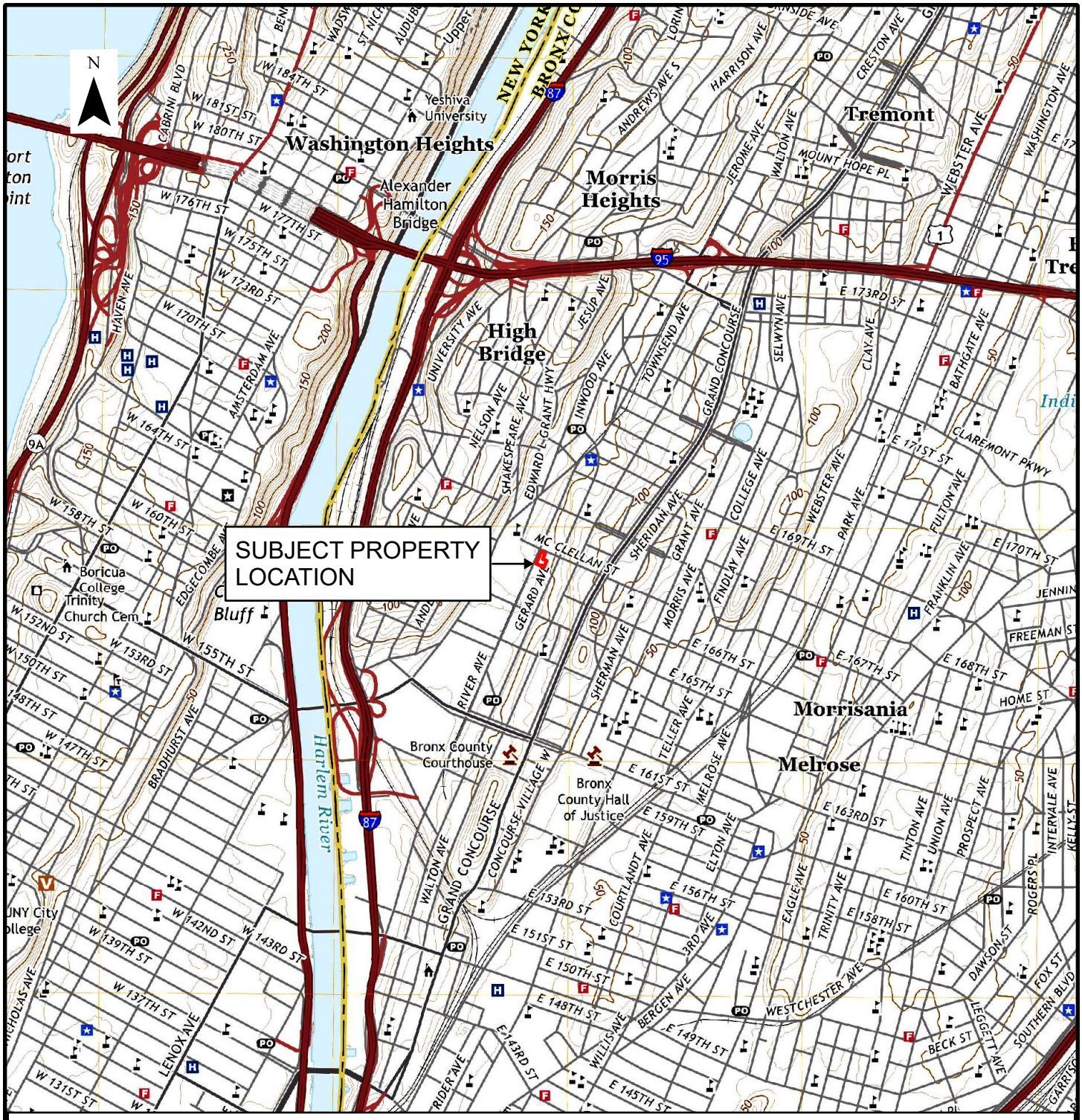
Further investigation and remediation are warranted.

5.0 REFERENCES

Geotechnical Engineering Report, prepared by Bilow Engineering, LLC, dated December 2, 2024.

Phase I Environmental Site Assessment Report, prepared by SESI, dated July 2025.

Figures



REFERENCE:

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

LEGEND:

SUBJECT PROPERTY LOCATION

SCALE: 1" = 2,000'

0 1,000 2,000 4,000 FEET

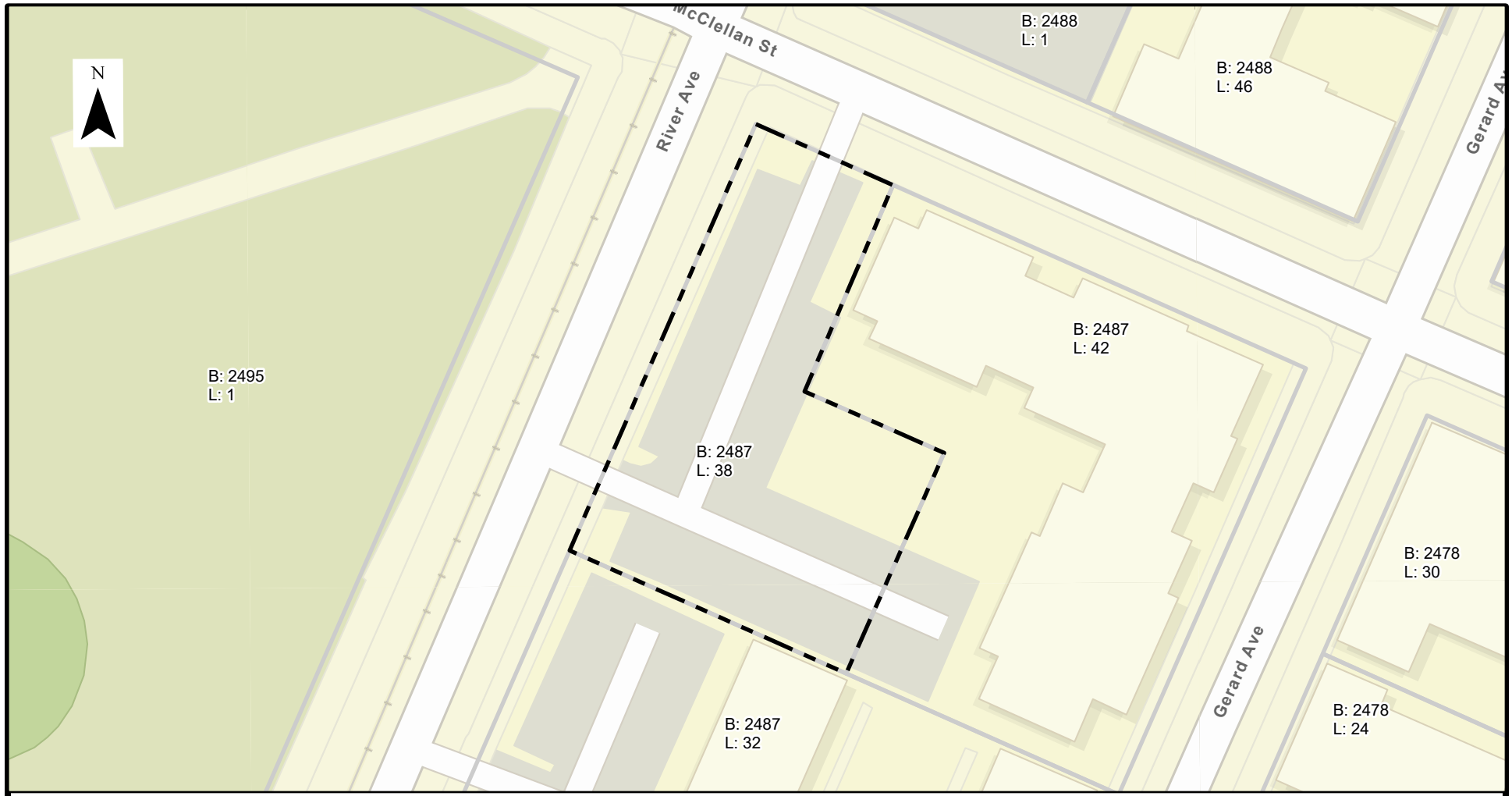
1140 RIVER AVENUE
BLOCK 2487, LOT 38
THE BRONX COUNTY, NEW YORK, NY

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: 10/28/2024
JOB NO: 13740

Y:\GIS\Project_Numbers\13740\APRX_PROJECT\APRX_Phase1_Prj_No.aprx, 10/28/2024 11:10 AM, Kim Vanderklein, LAYOUT: FIG-1.1



REFERENCE:

ESRI BASEMAP: STREET MAPS; PARCELS: 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

NY TAX PARCELS

SCALE: 1" = 60'

0 30 60 120 FEET

1140 RIVER AVENUE
BLOCK 2487, LOT 38
THE BRONX COUNTY, NEW YORK, NY

TAX MAP

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:	10/28/2024
JOB NO.:	13740

Y:\GIS\Project_Numbers\13740\APRX_PROJECT\APRX_Phase1_Prj_No.aprx, 10/28/2024 11:09 AM, Kim Vanderklein, LAYOUT: FIG-1.2



REFERENCE:

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

LEGEND:

SUBJECT PROPERTY LOCATION

NY TAX PARCELS

SCALE: 1" = 60'

0 30 60 120 FEET

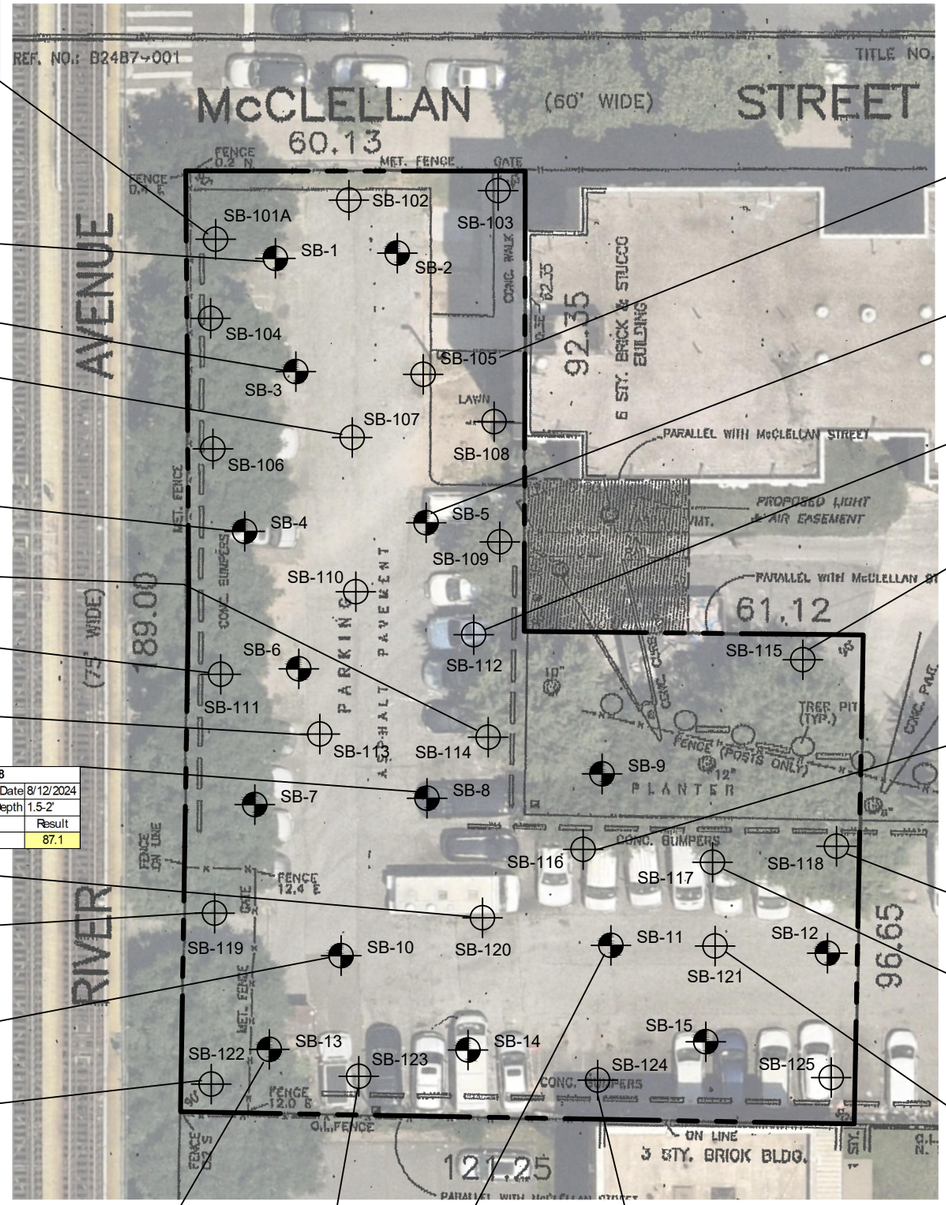
1140 RIVER AVENUE
BLOCK 2487, LOT 38
THE BRONX COUNTY, NEW YORK, NY

SUBJECT PROPERTY PLAN

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

FIG-1.3	
DRAWN BY:	KBV
CHECKED BY:	CM
SCALE:	AS NOTED
DATE:	10/28/2024
JOB NO.:	13740

Y:\GIS\Project_Numbers\13740\APRX_PROJECT\APRX_Phase1_Prj_No.aprx, 10/28/2024 11:09 AM, Kim Vanderklein, LAYOUT: FIG-1.3



SB-101	
Date	9/16/2024
Depth	3-3.5'
Compound	Result
Zinc, Total	122

SB-03	
Date	8/12/2024
Depth	2.5-3'
Compound	Result
4,4'-DDE	0.00354IP
4,4'-DDD	0.0114IP
Benzo(b)fluoranthene	1.1
Indeno(1,2,3-cd)pyrene	0.61
Lead, Total	293
Mercury, Total	0.251
Zinc, Total	682

SB-01	
Date	8/12/2024
Depth	1-1.5'
Compound	Result
Benzo(b)fluoranthene	1.3
Indeno(1,2,3-cd)pyrene	0.67

SB-107	
Date	9/16/2024
Depth	7.5-8'
Compound	Result
Phenol	0.36

SB-114	
Date	9/16/2024
Depth	4-4.5'
Compound	Result
Benzo(a)anthracene	1.9
Benzo(a)pyrene	1.9
Benzo(b)fluoranthene	2.5
Chrysene	1.9
Indeno(1,2,3-cd)pyrene	1.3
Arsenic, Total	13.2
Copper, Total	186
Lead, Total	962
Mercury, Total	0.277
Zinc, Total	364

SB-04	
Date	8/12/2024
Depth	0.5-1'
Compound	Result
Copper, Total	59.3
Zinc, Total	110

SB-111	
Date	9/16/2024
Depth	2-2.5'
Compound	Result
Benzo(a)anthracene	5.3
Benzo(a)pyrene	5.1
Benzo(b)fluoranthene	6.8
Benzo(k)fluoranthene	1.7
Chrysene	4.8
Dibenzo(a,h)anthracene	0.87
Indeno(1,2,3-cd)pyrene	3.7
Lead, Total	433
Mercury, Total	0.252
Zinc, Total	292

SB-120	
Date	9/16/2024
Depth	2.5-3'
Compound	Result
Benzo(a)anthracene	3
Benzo(a)pyrene	2.8
Benzo(b)fluoranthene	3.4
Benzo(k)fluoranthene	1.1
Chrysene	2.7
Dibenzo(a,h)anthracene	0.44
Indeno(1,2,3-cd)pyrene	2
Copper, Total	54.2
Lead, Total	342
Mercury, Total	0.218
Zinc, Total	268

SB-113	
Date	9/16/2024
Depth	3-3.5'
Compound	Result
Lead, Total	490
Mercury, Total	0.662
Zinc, Total	167

SB-08	
Date	8/12/2024
Depth	1.5-2'
Compound	Result
Lead, Total	87.1

SB-119	
Date	9/16/2024
Depth	3-3.5'
Compound	Result
Arsenic, Total	18.3
Lead, Total	147
Mercury, Total	0.421
Zinc, Total	172

SB-10	
Date	8/12/2024
Depth	1-1.5'
Compound	Result
Lead, Total	72.4
Zinc, Total	117

	SB-122	SB-122R
Date	9/16/2024	9/16/2024
Depth	4-4.5'	4-4.5'
Compound	Result	Result
Benzo(a)anthracene	8.4E	11
Benzo(a)pyrene	7.8E	10
Benzo(b)fluoranthene	10E	13
Benzo(k)fluoranthene	2.6	-
Chrysene	6.9	-
Dibenzo(a,h)anthracene	1.4	-
Indeno(1,2,3-cd)pyrene	5.9	-
Copper, Total	54.3	-
Lead, Total	274	-
Mercury, Total	0.325	-
Zinc, Total	166	-

SB-13	
Date	8/12/2024
Depth	2.5-3'
Compound	Result
Lead, Total	143

SB-123	
Date	9/16/2024
Depth	4-4.5'
Compound	Result
Copper, Total	72
Lead, Total	105
Zinc, Total	198

SB-11	
Date	8/13/2024
Depth	1.5-2'
Compound	Result
Lead, Total	86.1
Mercury, Total	0.225

SB-124	
Date	9/16/2024
Depth	2.5-3'
Compound	Result
Copper, Total	54.4
Lead, Total	158
Zinc, Total	1000

SB-105	
Date	9/16/2024
Depth	2.5-3'
Compound	Result
Lead, Total	66.3
Zinc, Total	113

SB-05	
Date	8/12/2024
Depth	1-1.5'
Compound	Result
Lead, Total	74.1
Zinc, Total	182

SB-112	
Date	9/16/2024
Depth	3-3.5'
Compound	Result
Nickel, Total	30.8
Zinc, Total	118

SB-115	
Date	9/16/2024
Depth	4.5-5'
Compound	Result
Benzo(a)anthracene	1.4
Benzo(a)pyrene	1.3
Benzo(b)fluoranthene	1.8
Chrysene	1.4
Indeno(1,2,3-cd)pyrene	0.96
Lead, Total	129
Mercury, Total	0.201
Zinc, Total	502

SB-116	
Date	9/16/2024
Depth	3.5-4'
Compound	Result
Benzo(a)anthracene	1.4
Benzo(a)pyrene	1.4
Benzo(b)fluoranthene	1.8
Chrysene	1.3
Indeno(1,2,3-cd)pyrene	1
Copper, Total	374
Lead, Total	274
Mercury, Total	0.272
Zinc, Total	183

SB-118	
Date	9/16/2024
Depth	2-2.5'
Compound	Result
Lead, Total	93.6
Zinc, Total	179

SB-117	
Date	9/16/2024
Depth	2-2.5'
Compound	Result
Copper, Total	64.1
Lead, Total	115
Zinc, Total	174

SB-121	
Date	9/16/2024
Depth	3.5-4'
Compound	Result
Lead, Total	766
Zinc, Total	383

Analyte	Units	NYSDEC USCOs	NYSDEC RSCOs	NYSDEC RRSCOs	NYSDEC RES3GWs
4,4'-DDE	mg/kg	0.0033	1.8	8.9	17
4,4'-DDD	mg/kg	0.0033	2.6	13	14
Benzo(a)anthracene	mg/kg	1	1	1	1
Benzo(a)pyrene	mg/kg	1	1	1	22
Benzo(b)fluoranthene	mg/kg	1	1	1	1.7
Benzo(k)fluoranthene	mg/kg	0.8	1	3.9	1.7
Chrysene	mg/kg	1	1	3.9	1
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	1000
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	8.2
Phenol	mg/kg	0.33	100	100	0.33
Arsenic, Total	mg/kg	13	16	16	16
Copper, Total	mg/kg	50	270	270	1720
Lead, Total	mg/kg	63	400	400	450
Mercury, Total	mg/kg	0.18	0.81	0.81	0.73
Nickel, Total	mg/kg	30	140	310	130
Zinc, Total	mg/kg	109	2200	10000	2480
1,4-Dioxane	mg/kg	0.1	9.8	13	0.1

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
= concentration exceeds RES3GW

ABBREVIATIONS
NYSDEC = New York State Department of Environmental Conservation.
USCO = NYSDEC Unrestricted Use Soil Cleanup Objectives (6 NYCRR 375-6.12(16).
RSCO = NYSDEC Residential Soil Cleanup Objectives
RRSCO = NYSDEC Restricted Use Soil Cleanup Objectives w/ CP-51 (1/ 10) (6 NYCRR 375-6.12(16).
mg/kg = Milligrams per kilogram.
Sample Depth is reported in feet below ground surface.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
I - The lower value for the two columns has been reported due to obvious interference.
P - The RPD between the results for the two columns exceeds the method-specified criteria.

NYS Education Law

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REFERENCE
1. EXISTING CONDITIONS & BOUNDARY ARE TAKEN FROM "PROPERTY MAP" PREPARED BY JOSEPH NICOLETTI ASSOCIATES, DATED MARCH 13, 2006, UPDATED JUNE 21, 2019.

NOTE:
1. THIS PLAN IS FOR LOCATING BORINGS, SOIL VAPOR POINTS, AND TEMPORARY WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. THIS MAP ONLY SUMMARIZES EXCEEDANCES.

LEGEND:
- SB-1 - APPROX. SOIL BORING TO 10 FT NUMBER AND APPROX. LOCATION (AUGUST 2024)
- SB-101 - APPROX. SOIL BORINGS TO 10 FT NUMBER AND APPROX. LOCATION (SEPTEMBER 2024)

SCALE: 1"=30'
0 30 60

dwg by: AW
chk by: SL
scale: AS NOTED
date: 05/09/2025

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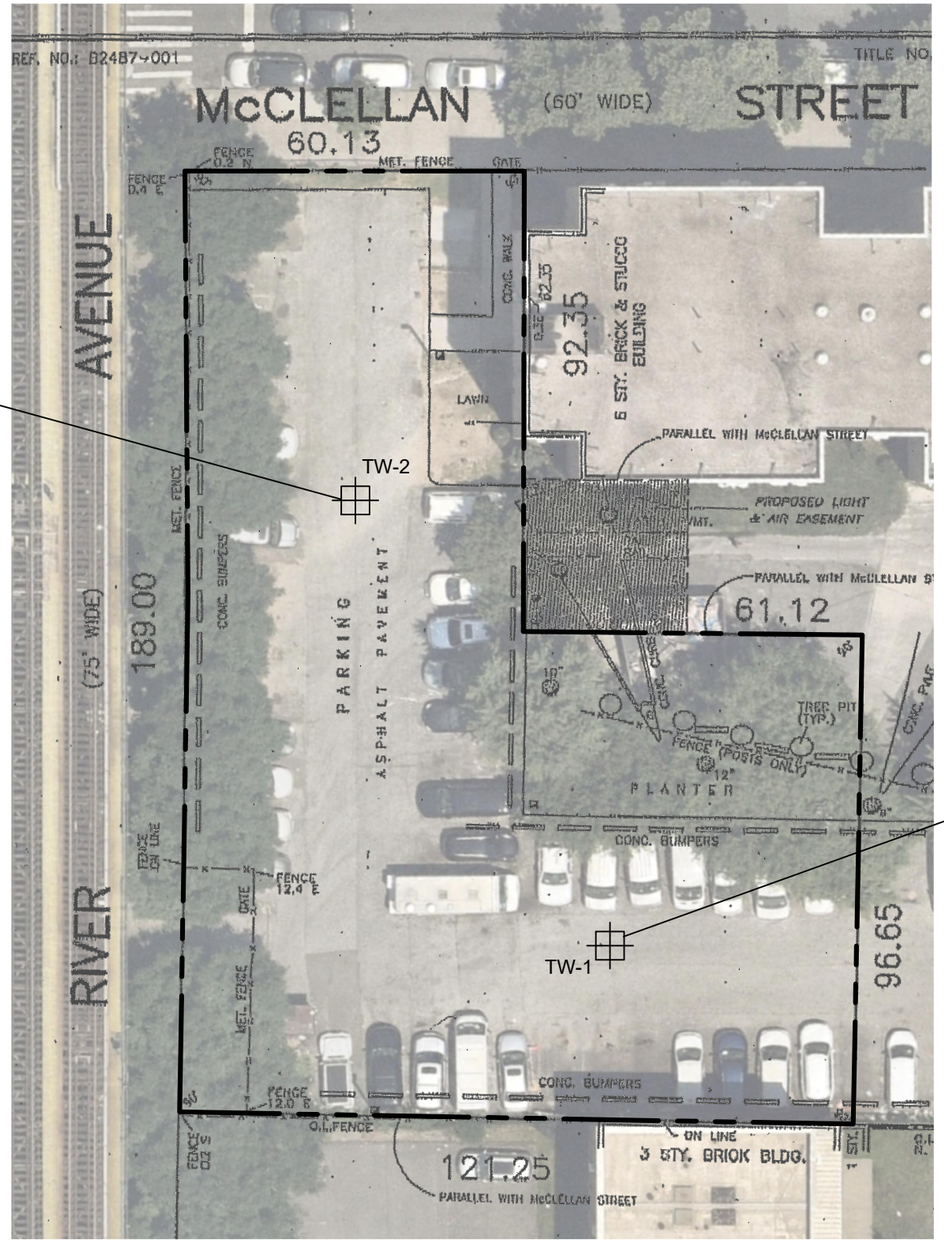
project: 1140 RIVER AVENUE
BLOCK 2487 LOT 38
THE BRONX COUNTY
NEW YORK, NY

title: SOIL SAMPLE RESULTS
PHASE II AND SUPPLEMENTAL PHASE II ESA

job no: 13740
drawing no: FIG-3.1

1 of 1

N:\ACAD\13740\CAD\ENVIRONMENTAL\13740.DWG_BASE_MAP.DWG 05/09/25 03:11:46PM, alan.ward, LAYOUT:SAMP_LOC – SOIL



TW-2	
Date	8/13/2024
Screening Interval (feet bgs)	20-30
Compound	Result
Perfluorooctanoic Acid (PFOA)	0.0236
Perfluorooctanesulfonic Acid (PFOS)	0.00886
Benzo(a)anthracene	0.03J
Benzo(b)fluoranthene	0.03J
Iron, Total	2310
Magnesium, Total	62500
Sodium, Total	35600
Chloroform	27

TW-1	
Date	8/13/2024
Screening Interval (feet bgs)	20-30
Compound	Result
Dieldrin	0.019J
Perfluorooctanoic Acid (PFOA)	0.0295
Perfluorooctanesulfonic Acid (PFOS)	0.00894
Phenol	1.5J
Iron, Total	1080
Magnesium, Total	39200
Sodium, Total	36000
Chloroform	22

Analyte	Units	NYSDEC AWQS
Dieldrin	ug/l	0.004
Perfluorooctanoic Acid (PFOA)	ug/l	0.0067
Perfluorooctanesulfonic Acid (PFOS	ug/l	0.0027
Phenol	ug/l	1
Benzo(a)anthracene	ug/l	0.002
Benzo(b)fluoranthene	ug/l	0.002
Iron, Total	ug/l	300
Magnesium, Total	ug/l	35000
Sodium, Total	ug/l	20000
Chloroform	ug/l	7

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
BGS- Below Grade Surface
J- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs)

NYS Education Law

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REFERENCE

1. EXISTING CONDITIONS & BOUNDARY ARE TAKEN FROM "PROPERTY MAP" PREPARED BY JOSEPH NICOLETTI ASSOCIATES, DATED MARCH 13, 2006, UPDATED JUNE 21, 2019.

NOTE:

1. THIS PLAN IS FOR LOCATING BORINGS, SOIL VAPOR POINTS, AND TEMPORARY WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. THIS MAP ONLY SUMMARIZES EXCEEDANCES.

LEGEND:

TW-1 - TEMPORARY WELL NUMBER AND APPROX. LOCATION

SCALE: 1"=30'

0 30 60

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dwg by: AW
chk by: SL
scale: AS NOTED
date: 10/03/2024

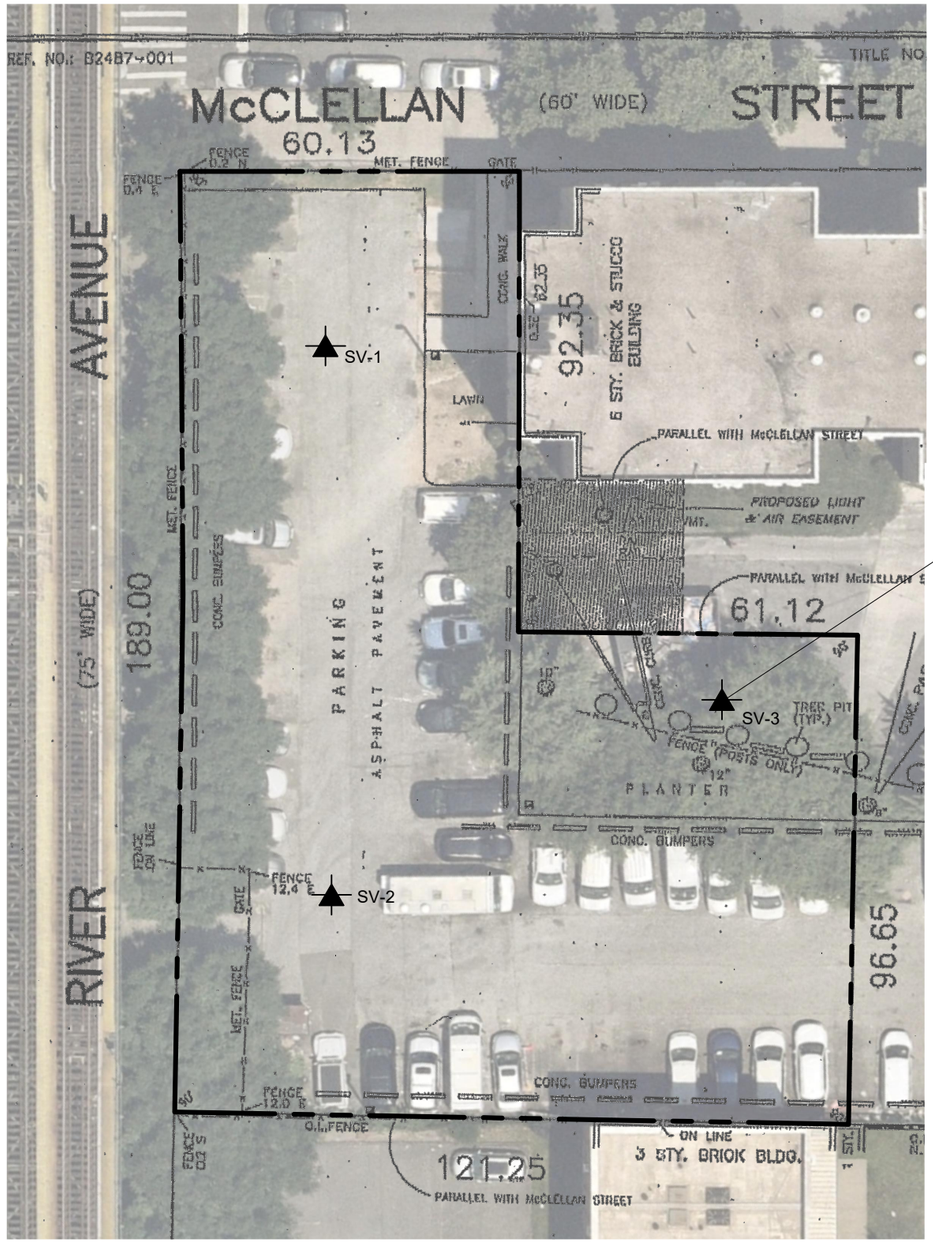
project: 1140 RIVER AVENUE
BLOCK 2487 LOT 38
THE BRONX COUNTY
NEW YORK, NY

title: GROUNDWATER SAMPLE RESULTS
PHASE II AND SUPPLEMENTAL PHASE II ESA

job no: 13740
drawing no: FIG-3.2

1 of 1

\\SESI2013\DATA\ACAD\13740\CAD\ENVIRONMENTAL\13740.DWG_BASE MAP.DWG 10/03/24 01:39:14PM, dpg, LAYOUT:SAMP LOC – GW



SV-3	
Date	8/13/2024
Compound	Result
Benzene	495

NOTE:
1. THIS PLAN IS FOR LOCATING BORINGS, SOIL VAPOR POINTS, AND TEMPORARY WELLS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. THIS MAP ONLY SUMMARIZES EXCEEDANCES.

REFERENCE
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Analyte	NYIAC-D
Benzene	60

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-D. New York DOH Matrix D Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated February 2024.

LEGEND:
SV-1 - SOIL VAPOR NUMBER AND APPROX. LOCATION

SCALE: 1"=30'
0 30 60

dwg by: AW
chk by: SL
scale: AS NOTED
date: 10/03/2024

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project: 1140 RIVER AVENUE
BLOCK 2487 LOT 38
THE BRONX COUNTY
NEW YORK, NY

title: SOIL VAPOR SAMPLE RESULTS
PHASE II AND SUPPLEMENTAL PHASE II ESA

job no: 13740
drawing no: FIG-3.3

\\SESI2013\DATA\ACAD\13740\CAD\ENVIRONMENTAL\13740.DWG_BASE MAP.DWG 10/03/24 01:39:43PM, dgg, LAYOUT:SAMP LOC – VAPOR

Appendix A:

Soil Boring Logs

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-101

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.834011 **LONGITUDE** -73.922142

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt								0.0	
		Fill: Brown coarse to fine SAND, trace Clayey Silt, with Brick fragments		1		36		SB-101 (3-3.5)		0.0	
	35		5							0.0	
		Light brown/white coarse to fine GRAVEL, some coarse to fine Sand, trace Silt (Weathered Rock)		2		56				0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-102

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.834001 **LONGITUDE** -73.922043

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 4.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, trace Clayey Silt, with Brick fragments		1		29		SB-102 (2-2.5)		0.0	
										0.0	
										0.0	
		Rock								0.0	
		BOREHOLE COMPLETED AT 4± FEET								0.0	
	35		5								
	30		10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-103

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833972 **LONGITUDE** -73.921943

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown coarse to fine SAND, trace Clayey Silt		1		17		SB-103 (4-4.5)		0.0	
	35	Light gray/white coarse to fine GRAVEL, trace coarse to fine Sand, trace Silt	5							0.0	Possible boulder (4.5-7.0 ft bgs)
		Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt (Weathered Rock)		2		25				0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-104

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833973 **LONGITUDE** -73.922168

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 7.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Moisture	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Asphalt								0.0	
		Fill: Brown coarse to fine SAND, trace Clayey Silt, with Brick fragments		1		48		SB-104 (3-3.5)		0.0	
										0.0	
		Same as above, trace coarse to fine Gravel (Weathered Rock)								0.0	
	35	Rock	5	5		24				0.0	
										0.0	
		BOREHOLE COMPLETED AT 7± FEET									
	30		10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-105

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833898 **LONGITUDE** -73.922045

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	40	Fill: Brown/black coarse to fine SAND, little Clayey Silt, with Brick fragments	0	1		36		SB-105 (2.5-3)		0.0	
	35	Rock	5	2		51				0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-106

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833907 **LONGITUDE** -73.922204

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown coarse to fine SAND, little Clayey Silt, trace coarse to fine Gravel		1		40				0.0	
	35		5							0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
		Gray/black/brown coarse to fine SAND, little Clayey Silt		2		32		SB-106 (8-8.5)		0.0	Stained
	30		10							0.0	
		BOREHOLE COMPLETED AT 10± FEET									
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-107

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833882 **LONGITUDE** -73.922110

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, some Clayey Silt, with Brick and Asphalt fragments		1		35				0.0	
	35		5							0.0	
		Fill: Brown coarse to fine SAND, some Clayey Silt, with Brick and Asphalt fragments		2		37		SB-107 (7.5-8)		0.0	
		Light brown coarse to fine GRAVEL, trace Silt (Weathered Rock)								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-108

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833859 **LONGITUDE** -73.922013

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, little Clayey Silt, trace coarse to fine Gravel, with Brick and Asphalt fragments		1		35		SB-108 (4-4.5)		0.0 0.0 0.0 0.0 0.0	
	35	Brown/red-brown coarse to fine SAND, trace Silt	5	2		37				0.0 0.0 0.0 0.0	
		Pink/white Rock								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-109

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833798 **LONGITUDE** -73.922044

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	40	Fill: Brown coarse to fine SAND, some Clayey Silt, trace coarse to fine Gravel, with Asphalt fragments	0	1		48		SB-109 (4-4.5)		0.0	
	35		5							0.0	
		Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)		2		43				0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-110

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833805 **LONGITUDE** -73.922153

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, and Clayey Silt, some coarse to fine Gravel, with Brick fragments		1		45		SB-110 (2-2.5)		0.0	
										0.0	
										0.0	
										0.0	
		Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)								0.0	
	35		5							0.0	
				2		50				0.0	
										0.0	
										0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-111

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833794 **LONGITUDE** -73.922265

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, little Silt, with Brick and Asphalt fragments		1		48		SB-111 (2-2.5)		0.0	
										0.0	
										0.0	
										0.0	
		Brown Clayey SILT, trace coarse to fine Sand								0.0	
	35		5							0.0	
		Same as above, some medium to fine Sand		2		52				0.0	
										0.0	
										0.0	
		Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-112

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833757 **LONGITUDE** -73.922088

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, little Clayey Silt, with Brick and Asphalt fragments		1		48		SB-112 (3-3.5)		0.0 0.0 0.0 0.0 0.0	
	35	Brown Clayey SILT, trace coarse to fine Sand	5	2		46				0.0 0.0 0.0 0.0 0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-113

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833742 **LONGITUDE** -73.922218

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, little Clayey Silt, with Brick and Asphalt fragments		1		52		SB-113 (3-3.5)		0.0 0.0 0.0 0.0	
	35	Brown coarse to fine SAND, trace Clayey Silt	5							0.0 0.0	
		Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)		2		48				0.0 0.0 0.0 0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-114

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833703 **LONGITUDE** -73.922109

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Black/brown coarse to fine SAND, little Clayey Silt, with Brick and Asphalt fragments		1		33		SB-114 (4-4.5)		0.0	
	35		5							0.0	
		Brown Clayey SILT, little coarse to fine Sand		2		43				0.0	
		Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-115

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833672 **LONGITUDE** -73.921881

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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: Moisture	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
	40	Fill: Brown/black coarse to fine SAND, little Clayey Silt, little coarse to fine Gravel, with Brick and Asphalt fragments	0	1		46				0.0	
	35		5					SB-115 (4.5-5)		0.0	
				1		42				0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
	30	Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)	10							0.0	
		BOREHOLE COMPLETED AT 10± FEET									
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-116

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833627 **LONGITUDE** -73.922080

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	40	Fill: Black/brown coarse to fine SAND, little Clayey Silt, with Brick and Asphalt fragments	0	1		24		SB-116 (3.5-4)		0.0	
	35		5	2		20				0.0	
		Brown Clayey SILT, trace fine Sand								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-117

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833592 **LONGITUDE** -73.921999

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, some Clayey Silt, with Brick and Asphalt fragments		1		46		SB-117 (2-2.5)		0.0 0.0 0.0 0.0 0.0	
	35	Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)	5	2		22				0.0 0.0 0.0 0.0 0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-118

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833572 **LONGITUDE** -73.921913

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Gray/brown coarse to fine Sand, and Clayey Silt								0.0	
										0.0	
				1		50		SB-118 (2-2.5)		0.0	
		Brown Clayey SILT, trace coarse to fine Sand								0.0	
										0.0	
	35		5							0.0	
		Light brown/white coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)								0.0	
				2		49				0.0	
										0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-119

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833677 **LONGITUDE** -73.922339

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Black/brown coarse to fine SAND, little Clayey Silt, little coarse to fine Gravel, with Brick and Asphalt fragments								0.0	
										0.0	
				1		38				0.0	Moist from 0-5 feet
							Moist	SB-119 (3-3.5)		0.0	
										0.0	
	35		5							0.0	Odor detected from 1.5-10 feet
		Brown coarse to fine Gravel		2		36				0.0	
										0.0	
		Tan/black Clayey SILT, some coarse to fine Sand								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-120

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833615 **LONGITUDE** -73.922165

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown/black coarse to fine SAND, little Clayey Silt, with Brick and Asphalt fragments and unidentified debris		1		35		SB-120 (2.5-3)		0.0 0.0 0.0 0.0 0.0	
	35	Brown Clayey SILT, trace fine Sand	5	2		32				0.0 0.0 0.0 0.0 0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-121

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833550 **LONGITUDE** -73.922021

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown coarse to fine SAND, some Clayey SILT, trace coarse to fine Gravel		1		47		SB-121 (3.5-4)		0.0	
	35	Brown Clayey SILT, little coarse to fine Sand	5	2		51				0.0	
	30	Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)	10							0.0	
		BOREHOLE COMPLETED AT 10± FEET									
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-122

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833593 **LONGITUDE** -73.922391

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown/black coarse to fine Sand, little Clayey Silt, with Brick and Asphalt fragments		1		39		SB-122 (4-4.5)		0.0	
	35		5							0.0	
				2		32				0.0	
		Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-123

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** M. Chorazak
LATITUDE 40.833564 **LONGITUDE** -73.922292

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown/black coarse to fine SAND, little Clayey Silt, trace coarse to fine Gravel, with Brick and Asphalt fragments		1		46		SB-123 (4-4.5)		0.0	
	35		5							0.0	
				2		47				0.0	
		Brown Clayey SILT, trace fine Sand								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-124

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** S. Cashel
LATITUDE 40.833509 **LONGITUDE** -73.922137

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Brown/black coarse to fine SAND, little Clayey Silt		1		34		SB-124 (2.5-3)		0.0	
	35	Black/brown Clayey SILT, trace coarse to fine Sand	5							0.0	
		Same as above, some coarse to fine Sand		2		33				0.0	
		Brown Clayey SILT, trace fine Sand								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-125

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 09-16-2024 **COMPLETED** 09-16-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY S. Grogan **CHECKED BY** S. Cashel
LATITUDE 40.833459 **LONGITUDE** -73.921984

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown coarse to fine SAND, trace Clayey Silt, with Brick and Asphalt fragments		1		41				0.0	
										0.0	
										0.0	
		Brown Clayey SILT, trace coarse to fine Gravel						SB-125 (3.5-4)		0.0	
	35		5							0.0	
				2						0.0	
										0.0	
		Light brown coarse to fine Gravel, and coarse to fine Sand, trace Silt (Weathered Rock)								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10							0.0	
	25		15								
	20		20								
	15		25								
	10		30								

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GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-1

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833988 **LONGITUDE** -73.922108

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 8.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Brown/gray coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel						SB-01 (1-1.5)		0.0	
				1		48				0.0	
		Light brown/yellow brown coarse to medium SAND, some coarse to fine Gravel, trace Clayey Silt								0.0	
	35		5							0.0	
		Light brown/yellow-brown coarse to fine SAND, some coarse to fine Gravel, trace Clayey Silt		2		36				0.0	
										0.0	
		BOREHOLE COMPLETED AT 8± FEET DUE TO REFUSAL									
	30		10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-02

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833964 **LONGITUDE** -73.922027

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Black/brown coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel		1		38		SB-02 (2-2.5)		0.0 0.0 0.0	
	35	Yellow-brown coarse to medium Sand and coarse to fine Gravel, little Clayey Silt	5							0.0 0.0 0.0	
		Brown coarse to medium Sand and coarse to fine Gravel, little Clayey Silt		2		60				0.0 0.0 0.0	
	30	Yellow-brown/white coarse to medium Sand and coarse to fine Gravel, little Clayey Silt	10							0.0 0.0	
		BOREHOLE COMPLETED AT 10± FEET									
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-3

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833927 **LONGITUDE** -73.922128

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 17.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
	35	Fill: Brown/black coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel	5	1		40		SB-03 (2.5-3)		0.0	
										0.0	
										0.0	
										0.0	
										0.0	
										0.0	
				2		28				0.0	
										0.0	
	30	White/gray/yellow-brown coarse to fine SAND, little coarse to fine Gravel, trace Clayey Silt	10							0.0	
										0.0	
										0.0	
		Gray coarse to fine Clayey SILT, some coarse to fine Sand and Gravel		3		60				0.0	
										0.0	
										0.0	
	25	Brown coarse to fine Clayey SILT, some coarse to fine Sand and Gravel	15							0.0	
		BOREHOLE COMPLETED AT 17± FEET									
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-04

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833859 **LONGITUDE** -73.922208

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Black/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt		1		60		SB-04 (0.5-1)		0.0	
										0.0	
										0.0	
		White coarse to medium SAND								0.0	
	35	Fill: Black/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt	5							0.0	
										0.0	
										0.0	
		Fill: Gray coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt		2		41				0.0	
										0.0	
	30		10							0.0	
		BOREHOLE COMPLETED AT 10± FEET									
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-05

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833823 **LONGITUDE** -73.922087

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 7.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Brown/black coarse to fine Sand and Clayey Silt, some coarse to fine Gravel		1		48		SB-05 (1-1.5)		0.0 0.0 0.0 0.0 0.0	
	35	White coarse to medium SAND, some coarse to fine Gravel, trace Clayey Silt	5	2		22				0.0 0.0	
		BOREHOLE COMPLETED AT 7± FEET DUE TO REFUSAL									
	30		10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-06

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833779 **LONGITUDE** -73.922213

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Fill: Brown coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel		1		50		SB-06 (1-1.5)		0.0 0.0 0.0	
	35	Coarse to fine GRAVEL, some brown SAND, trace Clayey Silt	5								
		Brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt		2		55				0.0 0.0 0.0 0.0 0.0	
		Gray coarse to fine SAND and SILT, little coarse to fine Gravel, trace Clay									
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-07

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833722 **LONGITUDE** -73.922281

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Black/brown/red/gray coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel								0.0	
				1		50				0.0	
	35		5							0.0	
		Dark brown coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel								0.0	
		Brown coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel		2		48				0.0	
								SB-07 (8.5 -9)		0.0	
		Gray coarse to fine SAND, some Clayey Silt, little coarse to fine Gravel								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-08

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833687 **LONGITUDE** -73.922167

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
CASING DIAMETER ▽ **AT TIME OF DRILLING**
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 9.5± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		6" Asphalt									
		Fill: Brown/gray coarse to fine Sand and Clayey SILT, some coarse to fine Gravel		1		40		SB-08 (1.5-2)		0.0	
		Concrete									
	35	Brown coarse to fine SAND, some Clayey Silt, and coarse to fine Gravel	5	2		40				0.0	
		Light gray/white coarse to fine GRAVEL, trace coarse to fine Sand, trace Silt (Decomposed Rock)								0.0	
	30	BOREHOLE COMPLETED AT 9.5± FEET DUE TO REFUSAL	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-09

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833660 **LONGITUDE** -73.922045

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Fill: Gray/brown coarse to fine SAND, some coarse to fine Gravel, trace Clayey Silt		1		42		SB-09 (3.5-4)		0.0 0.0 0.0 0.0 0.0	
	35	Brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel	5							0.0	
		Brown/yellow-brown coarse to fine Sand and Clayey Silt, little coarse to fine Gravel		2		55				0.0 0.0 0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-10

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833628 **LONGITUDE** -73.922269

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Fill: Brown coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel		1		42		SB-10 (3-3.5)		0.0 0.0 0.0 0.0 0.0	Wet
		Concrete									
	35	Brown/black Gravel, and coarse to fine Sand, little Clayey Silt	5	2		38				0.0 0.0 0.0 0.0 0.0	
		Brown coarse to medium SAND, little Clayey Silt, trace fine Gravel								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-11

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-13-2024 **COMPLETED** 08-13-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833573 **LONGITUDE** -73.922089

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Fill: Brown coarse to fine Sand, and Clayey Silt, trace coarse to fine Gravel								0.0	
								SB-11 (1.5-2)		0.0	
		Fill: Brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel		1		34				0.0	
										0.0	
										0.0	
	35	Concrete/Brick	5							0.0	
		Brown coarse to fine SAND, some Clayey Silt, trace fine Gravel		2		48				0.0	
										0.0	
										0.0	
		Yellow-brown/brown coarse to medium SAND, some coarse to fine Gravel, trace Clayey Silt								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-12

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-13-2024 **COMPLETED** 08-13-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833521 **LONGITUDE** -73.921950

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Fill: Brown/gray coarse to fine Sand and Clayey Silt, some coarse to fine Gravel		1		45		SB-12 (1-1.5)		0.0	
										0.0	
										0.0	
										0.0	
										0.0	
	35	Gravel	5							0.0	
		Yellow-brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel		2		35				0.0	
										0.0	
										0.0	
										0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-13

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833597 **LONGITUDE** -73.922343

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Brown coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel		1		55		SB-13 (2.5-3)		0.0 0.0 0.0 0.0 0.0	
	35		5							0.0	
		Brown Clayey SILT, some coarse to fine Sand, and Gravel		2		45				0.0	
		Yellow-brown/white coarse to medium SAND, some coarse to fine Gravel								0.0 0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-14

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-12-2024 **COMPLETED** 08-12-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833553 **LONGITUDE** -73.922213

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Fill: Brown coarse to fine Sand and Clayey Silt, little coarse to fine Gravel		1		32		SB-14 (2-2.5)		0.0 0.0 0.0 0.0 0.0	
		Concrete/Rock									
	35	Brown coarse to fine Sand, and Clayey Silt, trace coarse to fine Gravel	5	2		34				0.0 0.0 0.0	
		Brown coarse to fine Sand, and Clayey Silt, some coarse to fine Gravel								0.0 0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-15

PROJECT NAME 1140 River Avenue (STAGG)
PROJECT NO. 13740
DATE STARTED 08-13-2024 **COMPLETED** 08-13-2024
DRILLING CONTRACTOR PG Environmental
SAMPLER 2-inch Macrocore
EQUIPMENT 7822DT
DRILLING FOREMAN C. Quinonez **HELPER**
LOGGED BY C. Barletta **CHECKED BY** S. Cashel
LATITUDE 40.833504 **LONGITUDE** -73.922055

PROJECT LOCATION 1140 River Avenue, Bronx, NY (Block 2487, Lot 38)
ELEVATION DATUM NAVD 88 **GROUND ELEVATION** 40.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **DEPTH TO GROUNDWATER:**
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	Rec. (in)	Moisture	Environmental Soil Sample Name	Blows/6-in Core time/ft	PID (ppm)	Remarks
		Asphalt									
		Fill: Gray/brown coarse to fine SAND, some coarse to fine Gravel, little Clayey Silt		1		36		SB-15 (3-3.5)		0.0 0.0 0.0 0.0 0.0	
	35	Brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel	5	2		40				0.0 0.0 0.0 0.0	
		Brown coarse to fine Sand, and Clayey Silt, little coarse to fine Gravel								0.0	
	30	BOREHOLE COMPLETED AT 10± FEET	10								
	25		15								
	20		20								
	15		25								
	10		30								

Appendix B:

Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L2445515
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	Sheng Long
Phone:	(973) 808-9050
Project Name:	RIVER AVE BRONX, NY
Project Number:	13740:2
Report Date:	08/26/24

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

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

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2445515-01	SB-01 (1-1.5)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 09:00	08/12/24
L2445515-02	SB-02 (2-2.5)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 10:30	08/12/24
L2445515-03	SB-03 (2.5-3)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 10:00	08/12/24
L2445515-04	SB-04 (0.5-1)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 11:00	08/12/24
L2445515-05	SB-05 (1-1.5)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 11:20	08/12/24
L2445515-06	SB-06 (1-1.5)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 11:45	08/12/24
L2445515-07	SB-07 (8.5-9)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 12:00	08/12/24
L2445515-08	SB-08 (1.5-2)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 13:15	08/12/24
L2445515-09	SB-09 (3.5-4)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 14:00	08/12/24
L2445515-10	SB-10 (3-3.5)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 13:30	08/12/24
L2445515-11	SB-13 (2.5-3)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 14:30	08/12/24
L2445515-12	SB-14 (2-2.5)	SOIL	1140 RIVER AVE BRONX, NY	08/12/24 14:15	08/12/24

Project Name:	RIVER AVE BRONX, NY	**Lab Number:**	L2445515
Project Number:	13740:2	**Report Date:**	08/26/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445515
Project Number:	13740:2	**Report Date:**	08/26/24

Case Narrative (continued)

Report Submission

August 26, 2024: This final report includes the results of all requested analyses.

August 19, 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 WG1959908-2 LCS recovery, associated with L2445515-01 through -12, is below the acceptance criteria for 4,6-dinitro-o-cresol (5%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2445515-01 through -12: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1958663-3 MS recoveries for aluminum (0%), calcium (715%), iron (0%), magnesium (274%), and manganese (0%), performed on L2445515-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1958663-3 MS recoveries, performed on L2445515-01, are outside the acceptance criteria for antimony (69%), chromium (60%), potassium (62%), and zinc (56%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (128%), chromium (138%), potassium (155%), and zinc (136%). The serial dilution recovery was not applicable; therefore, these elements fail the matrix test and the result reported in the native sample should be considered estimated.

The WG1958663-4 Laboratory Duplicate RPDs for aluminum (35%), arsenic (22%), barium (34%), calcium (109%), chromium (43%), cobalt (45%), copper (47%), iron (34%), magnesium (95%), nickel (48%), potassium (32%), vanadium (39%), and zinc (46%), performed on L2445515-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

Project Name:	RIVER AVE BRONX, NY	**Lab Number:**	L2445515
Project Number:	13740:2	**Report Date:**	08/26/24

Case Narrative (continued)

Cyanide, Total

The WG1959165-2 LCS recovery for cyanide, total (78%), associated with L2445515-01 through -12, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1959165-4 MS recovery, performed on L2445515-01, is outside the acceptance criteria for cyanide, total (60%); however, the associated LCS recovery is within criteria. No further action was taken.

The WG1959165-4/-5 MS/MSD RPD for cyanide, total (59%), performed on L2445515-01, is above the acceptance criteria.

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: 08/26/24

ORGANICS

VOLATILES

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01
Client ID: SB-01 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 09:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 12:31
Analyst: MKS
Percent Solids: 92%

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	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.25	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	0.14	1
Chloromethane	ND		ug/kg	3.8	0.90	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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01 Date Collected: 08/12/24 09:00

Client ID: SB-01 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.48	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	0.57	J	ug/kg	1.9	0.54	1
o-Xylene	0.72	J	ug/kg	0.96	0.28	1
Xylenes, Total	1.3	J	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	2.1	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	0.96	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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01 Date Collected: 08/12/24 09:00

Client ID: SB-01 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	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	77	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	0.91	J	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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	90		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02
Client ID: SB-02 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 10:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 12:52
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.85	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.85	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.85	0.11	1
Dibromochloromethane	ND		ug/kg	0.85	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.85	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.59	1
1,2-Dichloroethane	ND		ug/kg	0.85	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.85	0.46	1
Ethylbenzene	ND		ug/kg	0.85	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.85	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.85	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02 Date Collected: 08/12/24 10:30

Client ID: SB-02 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	0.48	J	ug/kg	1.7	0.48	1
o-Xylene	0.62	J	ug/kg	0.85	0.25	1
Xylenes, Total	1.1	J	ug/kg	0.85	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.85	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.85	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.5	0.78	1
Acetone	ND		ug/kg	8.5	4.1	1
Carbon disulfide	ND		ug/kg	8.5	3.9	1
2-Butanone	ND		ug/kg	8.5	1.9	1
Vinyl acetate	ND		ug/kg	8.5	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.5	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.85	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.85	0.14	1
sec-Butylbenzene	ND		ug/kg	0.85	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.85	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.85	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.85	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
Acrylonitrile	ND		ug/kg	3.4	0.98	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02 Date Collected: 08/12/24 10:30

Client ID: SB-02 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.52	J	ug/kg	0.85	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	68	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	8.94	J	ug/kg			1
Unknown	8.94	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03
Client ID: SB-03 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 10:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 13:13
Analyst: MKS
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03 Date Collected: 08/12/24 10:00

Client ID: SB-03 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.47	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	0.54	J	ug/kg	1.9	0.52	1
o-Xylene	0.74	J	ug/kg	0.94	0.27	1
Xylenes, Total	1.3	J	ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	28		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	4.6	J	ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	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	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	0.73	J	ug/kg	0.94	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	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03 Date Collected: 08/12/24 10:00

Client ID: SB-03 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	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	0.31	1
1,4-Dioxane	ND		ug/kg	75	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	0.93	J	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	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	6.16	J	ug/kg			1
Unknown	3.30	J	ug/kg			1
Unknown	2.86	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	93		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04
Client ID: SB-04 (0.5-1)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 11:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 13:34
Analyst: MKS
Percent Solids: 89%

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	0.24	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	0.27	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	0.71	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	0.56	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	0.60	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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04 Date Collected: 08/12/24 11:00

Client ID: SB-04 (0.5-1) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.51	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	0.18	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	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		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	2.0	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	0.21	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	0.14	1
Bromobenzene	ND		ug/kg	2.0	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	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04 Date Collected: 08/12/24 11:00

Client ID: SB-04 (0.5-1) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	2.0	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	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05
Client ID: SB-05 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:20
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 13:55
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05 Date Collected: 08/12/24 11:20

Client ID: SB-05 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.47	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	0.70	J	ug/kg	0.94	0.28	1
Xylenes, Total	0.70	J	ug/kg	0.94	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	12		ug/kg	9.4	4.6	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	2.9	J	ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	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	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	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	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05 Date Collected: 08/12/24 11:20

Client ID: SB-05 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	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	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	2.51	J	ug/kg			1
Unknown	2.51	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06
Client ID: SB-06 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:45
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 14:16
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.91	0.50	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.31	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06 Date Collected: 08/12/24 11:45

Client ID: SB-06 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.84	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.2	1
2-Butanone	ND		ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	8.0		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06 Date Collected: 08/12/24 11:45

Client ID: SB-06 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	73	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	3.03	J	ug/kg			1
Unknown	3.03	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07
Client ID: SB-07 (8.5-9)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 12:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 14:37
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.22	1
Chloroform	ND		ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.19	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.40	1
Tetrachloroethene	ND		ug/kg	0.75	0.29	1
Chlorobenzene	ND		ug/kg	0.75	0.19	1
Trichlorofluoromethane	ND		ug/kg	6.0	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	0.25	1
Bromodichloromethane	ND		ug/kg	0.75	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.41	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	0.24	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	0.24	1
1,1-Dichloropropene	ND		ug/kg	0.75	0.24	1
Bromoform	ND		ug/kg	6.0	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	0.25	1
Benzene	ND		ug/kg	0.75	0.25	1
Toluene	ND		ug/kg	1.5	0.81	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	6.0	1.4	1
Bromomethane	ND		ug/kg	3.0	0.87	1
Vinyl chloride	ND		ug/kg	1.5	0.50	1
Chloroethane	ND		ug/kg	3.0	0.68	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07 Date Collected: 08/12/24 12:00

Client ID: SB-07 (8.5-9) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.75	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	0.26	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.30	1
p/m-Xylene	0.96	J	ug/kg	3.0	0.84	1
o-Xylene	1.2	J	ug/kg	1.5	0.43	1
Xylenes, Total	2.2	J	ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	3.0	0.36	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.4	1
Acetone	40		ug/kg	15	7.2	1
Carbon disulfide	ND		ug/kg	15	6.8	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	0.19	1
2-Hexanone	ND		ug/kg	15	1.8	1
Bromochloromethane	ND		ug/kg	3.0	0.31	1
2,2-Dichloropropane	ND		ug/kg	3.0	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.42	1
1,3-Dichloropropane	ND		ug/kg	3.0	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	0.20	1
Bromobenzene	ND		ug/kg	3.0	0.22	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	3.0	0.18	1
o-Chlorotoluene	ND		ug/kg	3.0	0.28	1
p-Chlorotoluene	ND		ug/kg	3.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	1.5	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	6.0	0.97	1
Acrylonitrile	ND		ug/kg	6.0	1.7	1

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07
Client ID: SB-07 (8.5-9)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 12:00
Date Received: 08/12/24
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	1.5	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	0.48	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	0.29	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	0.50	1
1,4-Dioxane	ND		ug/kg	120	52.	1
p-Diethylbenzene	ND		ug/kg	3.0	0.26	1
p-Ethyltoluene	ND		ug/kg	3.0	0.57	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.0	0.28	1
Ethyl ether	ND		ug/kg	3.0	0.51	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.5	2.1	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	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08
Client ID: SB-08 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 13:15
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 14:58
Analyst: MKS
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.83	0.12	1
Chloroform	ND		ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.83	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.83	0.10	1
Dibromochloromethane	ND		ug/kg	0.83	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	0.22	1
Tetrachloroethene	ND		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.58	1
1,2-Dichloroethane	ND		ug/kg	0.83	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.42	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	0.14	1
Benzene	ND		ug/kg	0.42	0.14	1
Toluene	ND		ug/kg	0.83	0.45	1
Ethylbenzene	ND		ug/kg	0.83	0.12	1
Chloromethane	ND		ug/kg	3.3	0.78	1
Bromomethane	ND		ug/kg	1.7	0.48	1
Vinyl chloride	ND		ug/kg	0.83	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.83	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08 Date Collected: 08/12/24 13:15

Client ID: SB-08 (1.5-2) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.42	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.47	1
o-Xylene	ND		ug/kg	0.83	0.24	1
Xylenes, Total	ND		ug/kg	0.83	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.83	0.11	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.83	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.3	0.76	1
Acetone	ND		ug/kg	8.3	4.0	1
Carbon disulfide	ND		ug/kg	8.3	3.8	1
2-Butanone	ND		ug/kg	8.3	1.8	1
Vinyl acetate	ND		ug/kg	8.3	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.3	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.10	1
2-Hexanone	ND		ug/kg	8.3	0.98	1
Bromochloromethane	ND		ug/kg	1.7	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.83	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.83	0.14	1
sec-Butylbenzene	ND		ug/kg	0.83	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.83	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.14	1
Isopropylbenzene	ND		ug/kg	0.83	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.83	0.09	1
Naphthalene	ND		ug/kg	3.3	0.54	1
Acrylonitrile	ND		ug/kg	3.3	0.96	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08 Date Collected: 08/12/24 13:15

Client ID: SB-08 (1.5-2) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.83	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	67	29.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	1.2	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	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09
Client ID: SB-09 (3.5-4)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 14:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 15:19
Analyst: MKS
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09 Date Collected: 08/12/24 14:00

Client ID: SB-09 (3.5-4) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	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	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	ND		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	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	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	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	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09 Date Collected: 08/12/24 14:00

Client ID: SB-09 (3.5-4) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	74	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	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	4.6	1.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	102		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10
Client ID: SB-10 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 13:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 15:40
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.14	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.51	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10 Date Collected: 08/12/24 13:30

Client ID: SB-10 (3-3.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.18	1
p/m-Xylene	ND		ug/kg	1.7	0.49	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.87	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	34		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	6.2	J	ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.7	0.13	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.17	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10 Date Collected: 08/12/24 13:30

Client ID: SB-10 (3-3.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	70	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.17	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11
Client ID: SB-13 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 14:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 16:01
Analyst: MKS
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.14	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	ND		ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.51	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11 Date Collected: 08/12/24 14:30

Client ID: SB-13 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.18	1
p/m-Xylene	ND		ug/kg	1.7	0.49	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.87	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	20		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	3.1	J	ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.7	0.13	1
n-Butylbenzene	ND		ug/kg	0.87	0.14	1
sec-Butylbenzene	ND		ug/kg	0.87	0.13	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.17	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11 Date Collected: 08/12/24 14:30

Client ID: SB-13 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	70	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.17	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12
Client ID: SB-14 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 14:15
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/15/24 16:22
Analyst: MKS
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12 Date Collected: 08/12/24 14:15

Client ID: SB-14 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	6.4	J	ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	9.0	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12 Date Collected: 08/12/24 14:15

Client ID: SB-14 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.90	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/24 09:22
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-12 Batch: WG1960278-5					
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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/24 09:22
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-12 Batch: WG1960278-5					
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	0.62	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/24 09:22
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-12 Batch: WG1960278-5					
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	3.69	J	ug/kg
Unknown	3.69	J	ug/kg

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/15/24 09:22
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-12 Batch: WG1960278-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-12 Batch: WG1960278-3 WG1960278-4								
Methylene chloride	106		104		70-130	2		30
1,1-Dichloroethane	97		97		70-130	0		30
Chloroform	95		96		70-130	1		30
Carbon tetrachloride	110		107		70-130	3		30
1,2-Dichloropropane	92		94		70-130	2		30
Dibromochloromethane	87		90		70-130	3		30
1,1,2-Trichloroethane	89		90		70-130	1		30
Tetrachloroethene	101		101		70-130	0		30
Chlorobenzene	96		98		70-130	2		30
Trichlorofluoromethane	109		107		70-139	2		30
1,2-Dichloroethane	95		95		70-130	0		30
1,1,1-Trichloroethane	109		108		70-130	1		30
Bromodichloromethane	94		93		70-130	1		30
trans-1,3-Dichloropropene	96		98		70-130	2		30
cis-1,3-Dichloropropene	104		106		70-130	2		30
1,1-Dichloropropene	112		108		70-130	4		30
Bromoform	79		82		70-130	4		30
1,1,2,2-Tetrachloroethane	82		82		70-130	0		30
Benzene	104		104		70-130	0		30
Toluene	99		99		70-130	0		30
Ethylbenzene	108		110		70-130	2		30
Chloromethane	93		93		52-130	0		30
Bromomethane	105		104		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-12 Batch: WG1960278-3 WG1960278-4								
Vinyl chloride	107		105		67-130	2		30
Chloroethane	118		117		50-151	1		30
1,1-Dichloroethene	112		108		65-135	4		30
trans-1,2-Dichloroethene	102		103		70-130	1		30
Trichloroethene	110		106		70-130	4		30
1,2-Dichlorobenzene	90		88		70-130	2		30
1,3-Dichlorobenzene	92		91		70-130	1		30
1,4-Dichlorobenzene	92		90		70-130	2		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	107		106		70-130	1		30
o-Xylene	99		98		70-130	1		30
cis-1,2-Dichloroethene	92		91		70-130	1		30
Dibromomethane	93		92		70-130	1		30
Styrene	103		103		70-130	0		30
Dichlorodifluoromethane	109		105		30-146	4		30
Acetone	84		88		54-140	5		30
Carbon disulfide	111		109		59-130	2		30
2-Butanone	71		76		70-130	7		30
Vinyl acetate	85		84		70-130	1		30
4-Methyl-2-pentanone	78		83		70-130	6		30
1,2,3-Trichloropropane	83		86		68-130	4		30
2-Hexanone	70		76		70-130	8		30
Bromochloromethane	96		93		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-12 Batch: WG1960278-3 WG1960278-4								
2,2-Dichloropropane	102		104		70-130	2		30
1,2-Dibromoethane	90		92		70-130	2		30
1,3-Dichloropropane	93		96		69-130	3		30
1,1,1,2-Tetrachloroethane	93		94		70-130	1		30
Bromobenzene	88		86		70-130	2		30
n-Butylbenzene	103		99		70-130	4		30
sec-Butylbenzene	98		96		70-130	2		30
tert-Butylbenzene	90		89		70-130	1		30
o-Chlorotoluene	99		97		70-130	2		30
p-Chlorotoluene	101		99		70-130	2		30
1,2-Dibromo-3-chloropropane	76		80		68-130	5		30
Hexachlorobutadiene	91		90		67-130	1		30
Isopropylbenzene	92		89		70-130	3		30
p-Isopropyltoluene	100		97		70-130	3		30
Naphthalene	81		84		70-130	4		30
Acrylonitrile	80		80		70-130	0		30
n-Propylbenzene	97		95		70-130	2		30
1,2,3-Trichlorobenzene	87		86		70-130	1		30
1,2,4-Trichlorobenzene	86		83		70-130	4		30
1,3,5-Trimethylbenzene	106		102		70-130	4		30
1,2,4-Trimethylbenzene	103		101		70-130	2		30
1,4-Dioxane	77		82		65-136	6		30
p-Diethylbenzene	91		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-12 Batch: WG1960278-3 WG1960278-4								
p-Ethyltoluene	105		102		70-130	3		30
1,2,4,5-Tetramethylbenzene	90		88		70-130	2		30
Ethyl ether	95		99		67-130	4		30
trans-1,4-Dichloro-2-butene	84		84		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		98		70-130
Toluene-d8	102		99		70-130
4-Bromofluorobenzene	100		96		70-130
Dibromofluoromethane	100		93		70-130

SEMIVOLATILES

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01
Client ID: SB-01 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 09:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 06:39
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1500		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	25	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01 Date Collected: 08/12/24 09:00

Client ID: SB-01 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	930		ug/kg	110	20.	1
Benzo(a)pyrene	990		ug/kg	140	44.	1
Benzo(b)fluoranthene	1300		ug/kg	110	30.	1
Benzo(k)fluoranthene	450		ug/kg	110	29.	1
Chrysene	900		ug/kg	110	19.	1
Acenaphthylene	230		ug/kg	140	28.	1
Anthracene	170		ug/kg	110	35.	1
Benzo(ghi)perylene	640		ug/kg	140	21.	1
Fluorene	21	J	ug/kg	180	18.	1
Phenanthrene	370		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	160		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	670		ug/kg	140	25.	1
Pyrene	1300		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01 Date Collected: 08/12/24 09:00

Client ID: SB-01 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	27	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	3080	J	ug/kg			1
Unknown	267	J	ug/kg			1
Unknown PAH	425	J	ug/kg			1
Unknown	170	J	ug/kg			1
Unknown	179	J	ug/kg			1
Unknown PAH	661	J	ug/kg			1
Unknown PAH	160	J	ug/kg			1
Unknown PAH	225	J	ug/kg			1
Unknown	151	J	ug/kg			1
Unknown PAH	179	J	ug/kg			1
Unknown PAH	177	J	ug/kg			1
Unknown PAH	288	J	ug/kg			1
Unknown PAH	195	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	67		18-120

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01
Client ID: SB-01 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 09:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/23/24 16:39
Analyst: AC
Percent Solids: 92%

Extraction Method: EPA 1633
Extraction Date: 08/21/24 18:45
Cleanup Method: EPA 1633
Cleanup Date: 08/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.783	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.392	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.196	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.046	J	ng/g	0.196	0.045	1
Perfluoroheptanoic Acid (PFHpA)	0.062	J	ng/g	0.196	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.196	0.058	1
Perfluorooctanoic Acid (PFOA)	0.130	J	ng/g	0.196	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.365	J	ng/g	0.783	0.274	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.196	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.196	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.456		ng/g	0.196	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.196	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.783	0.379	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.196	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.196	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.196	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.196	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.196	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.196	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.196	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.196	0.104	1
PFOA/PFOS, Total	0.586	J	ng/g	0.196	0.051	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01 Date Collected: 08/12/24 09:00

Client ID: SB-01 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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)	82		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	88		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	84		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	79		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82		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)	83		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)	80		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	135		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	52		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)	75		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	55		15-109

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02
Client ID: SB-02 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 10:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 06:16
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	480		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02 Date Collected: 08/12/24 10:30

Client ID: SB-02 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	220		ug/kg	110	20.	1
Benzo(a)pyrene	230		ug/kg	140	44.	1
Benzo(b)fluoranthene	290		ug/kg	110	30.	1
Benzo(k)fluoranthene	80	J	ug/kg	110	29.	1
Chrysene	200		ug/kg	110	19.	1
Acenaphthylene	37	J	ug/kg	140	28.	1
Anthracene	69	J	ug/kg	110	35.	1
Benzo(ghi)perylene	150		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	210		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	31	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	140	25.	1
Pyrene	410		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02 Date Collected: 08/12/24 10:30

Client ID: SB-02 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	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	78		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	69		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03
Client ID: SB-03 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 10:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 07:51
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

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	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1900		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	40	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	180		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03 Date Collected: 08/12/24 10:00

Client ID: SB-03 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	790		ug/kg	110	20.	1
Benzo(a)pyrene	860		ug/kg	150	44.	1
Benzo(b)fluoranthene	1100		ug/kg	110	31.	1
Benzo(k)fluoranthene	390		ug/kg	110	29.	1
Chrysene	750		ug/kg	110	19.	1
Acenaphthylene	340		ug/kg	150	28.	1
Anthracene	290		ug/kg	110	36.	1
Benzo(ghi)perylene	580		ug/kg	150	21.	1
Fluorene	45	J	ug/kg	180	18.	1
Phenanthrene	590		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	130		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	610		ug/kg	150	25.	1
Pyrene	1500		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	69.	1
4-Nitrophenol	ND		ug/kg	260	74.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03 Date Collected: 08/12/24 10:00

Client ID: SB-03 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	140	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	2640	J	ug/kg			1
Unknown	694	J	ug/kg			1
Unknown	229	J	ug/kg			1
Unknown	600	J	ug/kg			1
Unknown PAH	576	J	ug/kg			1
Unknown	204	J	ug/kg			1
Unknown	178	J	ug/kg			1
Unknown	163	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	103		25-120
Phenol-d6	107		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	122		10-136
4-Terphenyl-d14	102		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04
Client ID: SB-04 (0.5-1)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 09:03
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

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	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	450		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	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	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04 Date Collected: 08/12/24 11:00

Client ID: SB-04 (0.5-1) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	270		ug/kg	110	21.	1
Benzo(a)pyrene	300		ug/kg	150	45.	1
Benzo(b)fluoranthene	380		ug/kg	110	31.	1
Benzo(k)fluoranthene	120		ug/kg	110	30.	1
Chrysene	260		ug/kg	110	19.	1
Acenaphthylene	64	J	ug/kg	150	28.	1
Anthracene	58	J	ug/kg	110	36.	1
Benzo(ghi)perylene	210		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	120		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	47	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	150	26.	1
Pyrene	380		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04 Date Collected: 08/12/24 11:00

Client ID: SB-04 (0.5-1) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	18	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		25-120
Phenol-d6	44		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	47		10-136
4-Terphenyl-d14	47		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05
Client ID: SB-05 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:20
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 18:44
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

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	33.	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	220		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	64.	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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05 Date Collected: 08/12/24 11:20

Client ID: SB-05 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	110		ug/kg	110	21.	1
Benzo(a)pyrene	120	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	130		ug/kg	110	31.	1
Benzo(k)fluoranthene	55	J	ug/kg	110	30.	1
Chrysene	110		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	43	J	ug/kg	110	36.	1
Benzo(ghi)perylene	64	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	130		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	51	J	ug/kg	150	26.	1
Pyrene	180		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	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05
Client ID: SB-05 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 11:20
Date Received: 08/12/24
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	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						
Total TIC Compounds	180	J	ug/kg			1
Unknown	180	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	58		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06
Client ID: SB-06 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:45
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 19:02
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	300		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06 Date Collected: 08/12/24 11:45

Client ID: SB-06 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	160		ug/kg	110	20.	1
Benzo(a)pyrene	200		ug/kg	140	44.	1
Benzo(b)fluoranthene	240		ug/kg	110	30.	1
Benzo(k)fluoranthene	77	J	ug/kg	110	29.	1
Chrysene	170		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	140		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	63	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	29	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	25.	1
Pyrene	300		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06 Date Collected: 08/12/24 11:45

Client ID: SB-06 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	76		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07
Client ID: SB-07 (8.5-9)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 12:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 01:05
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

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	33.	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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07 Date Collected: 08/12/24 12:00

Client ID: SB-07 (8.5-9) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	63.	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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07 Date Collected: 08/12/24 12:00

Client ID: SB-07 (8.5-9) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	8.7	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	98		18-120

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07
Client ID: SB-07 (8.5-9)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 12:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/23/24 16:52
Analyst: AC
Percent Solids: 88%

Extraction Method: EPA 1633
Extraction Date: 08/21/24 18:45
Cleanup Method: EPA 1633
Cleanup Date: 08/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.798	0.050	1
Perfluoropentanoic Acid (PFPeA)	0.128	J	ng/g	0.399	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	0.140	J	ng/g	0.200	0.046	1
Perfluoroheptanoic Acid (PFHpA)	0.121	J	ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	0.424		ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.798	0.279	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)	0.091	J	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	0.798	0.386	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	0.515	J	ng/g	0.200	0.052	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07 Date Collected: 08/12/24 12:00

Client ID: SB-07 (8.5-9) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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)	84		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91		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)	81		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	80		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)	90		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		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)	125		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	65		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	82		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	50		15-109

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08
Client ID: SB-08 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 13:15
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 03:52
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

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	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	55	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	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	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08 Date Collected: 08/12/24 13:15

Client ID: SB-08 (1.5-2) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	33	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	45	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	32	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	26	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	26	J	ug/kg	150	26.	1
Pyrene	51	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08 Date Collected: 08/12/24 13:15

Client ID: SB-08 (1.5-2) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	665	J	ug/kg			1
Unknown	327	J	ug/kg			1
Unknown	338	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	76		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09
Client ID: SB-09 (3.5-4)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 03:05
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	79	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09 Date Collected: 08/12/24 14:00

Client ID: SB-09 (3.5-4) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	46	J	ug/kg	110	20.	1
Benzo(a)pyrene	47	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	57	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	40	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	31	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	28	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	31	J	ug/kg	140	25.	1
Pyrene	71	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09 Date Collected: 08/12/24 14:00

Client ID: SB-09 (3.5-4) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	325	J	ug/kg			1
Unknown	163	J	ug/kg			1
Unknown	162	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	75		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10
Client ID: SB-10 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 13:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 04:16
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	370		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10 Date Collected: 08/12/24 13:30

Client ID: SB-10 (3-3.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	170		ug/kg	110	20.	1
Benzo(a)pyrene	160		ug/kg	140	44.	1
Benzo(b)fluoranthene	210		ug/kg	110	31.	1
Benzo(k)fluoranthene	63	J	ug/kg	110	29.	1
Chrysene	140		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	44	J	ug/kg	110	35.	1
Benzo(ghi)perylene	100	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	140		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	25.	1
Pyrene	290		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10 Date Collected: 08/12/24 13:30

Client ID: SB-10 (3-3.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	363	J	ug/kg			1
Unknown	174	J	ug/kg			1
Unknown Alkene	189	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	87		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11
Client ID: SB-13 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 05:04
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

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	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	260		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	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	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11 Date Collected: 08/12/24 14:30

Client ID: SB-13 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	150		ug/kg	110	21.	1
Benzo(a)pyrene	170		ug/kg	150	45.	1
Benzo(b)fluoranthene	220		ug/kg	110	31.	1
Benzo(k)fluoranthene	68	J	ug/kg	110	30.	1
Chrysene	150		ug/kg	110	19.	1
Acenaphthylene	32	J	ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	120	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	90	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	28	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	150	26.	1
Pyrene	250		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11 Date Collected: 08/12/24 14:30

Client ID: SB-13 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	110		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	118		10-136
4-Terphenyl-d14	104		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12
Client ID: SB-14 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:15
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/17/24 05:52
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

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	260		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	24.	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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12 Date Collected: 08/12/24 14:15

Client ID: SB-14 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	140		ug/kg	110	21.	1
Benzo(a)pyrene	150		ug/kg	150	46.	1
Benzo(b)fluoranthene	190		ug/kg	110	32.	1
Benzo(k)fluoranthene	66	J	ug/kg	110	30.	1
Chrysene	130		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	98	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	100	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	150	26.	1
Pyrene	220		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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12 Date Collected: 08/12/24 14:15

Client ID: SB-14 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	8.7	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	83		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/16/24 12:40
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1959908-1					
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	41.
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/16/24 12:40
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1959908-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/16/24 12:40
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-12 Batch: WG1959908-1					
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	65		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	73		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/22/24 20:16
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/21/24 18:45
Cleanup Method: EPA 1633
Cleanup Date: 08/22/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01,07 Batch: WG1962178-1					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/22/24 20:16
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/21/24 18:45
Cleanup Method: EPA 1633
Cleanup Date: 08/22/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01,07 Batch: WG1962178-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	103		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	88		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)	92		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		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)	86		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	93		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	105		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		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)	91		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	87		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	93		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	61		15-109

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1959908-2 WG1959908-3								
Acenaphthene	83		80		31-137	4		50
1,2,4-Trichlorobenzene	85		80		38-107	6		50
Hexachlorobenzene	94		81		40-140	15		50
Bis(2-chloroethyl)ether	77		78		40-140	1		50
2-Chloronaphthalene	84		80		40-140	5		50
1,2-Dichlorobenzene	80		78		40-140	3		50
1,3-Dichlorobenzene	79		76		40-140	4		50
1,4-Dichlorobenzene	79		76		28-104	4		50
3,3'-Dichlorobenzidine	79		70		40-140	12		50
2,4-Dinitrotoluene	56		82		40-132	38		50
2,6-Dinitrotoluene	61		79		40-140	26		50
Fluoranthene	89		86		40-140	3		50
4-Chlorophenyl phenyl ether	88		79		40-140	11		50
4-Bromophenyl phenyl ether	88		80		40-140	10		50
Bis(2-chloroisopropyl)ether	59		64		40-140	8		50
Bis(2-chloroethoxy)methane	84		79		40-117	6		50
Hexachlorobutadiene	86		84		40-140	2		50
Hexachlorocyclopentadiene	**16**	Q	70		40-140	**126**	Q	50
Hexachloroethane	55		74		40-140	29		50
Isophorone	80		76		40-140	5		50
Naphthalene	82		79		40-140	4		50
Nitrobenzene	74		77		40-140	4		50
NDPA/DPA	88		79		36-157	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1959908-2 WG1959908-3								
n-Nitrosodi-n-propylamine	77		76		32-121	1		50
Bis(2-ethylhexyl)phthalate	77		74		40-140	4		50
Butyl benzyl phthalate	81		82		40-140	1		50
Di-n-butylphthalate	84		80		40-140	5		50
Di-n-octylphthalate	79		75		40-140	5		50
Diethyl phthalate	84		77		40-140	9		50
Dimethyl phthalate	83		80		40-140	4		50
Benzo(a)anthracene	80		78		40-140	3		50
Benzo(a)pyrene	85		83		40-140	2		50
Benzo(b)fluoranthene	84		78		40-140	7		50
Benzo(k)fluoranthene	81		82		40-140	1		50
Chrysene	80		78		40-140	3		50
Acenaphthylene	84		79		40-140	6		50
Anthracene	87		87		40-140	0		50
Benzo(ghi)perylene	87		85		40-140	2		50
Fluorene	88		78		40-140	12		50
Phenanthrene	87		85		40-140	2		50
Dibenzo(a,h)anthracene	89		86		40-140	3		50
Indeno(1,2,3-cd)pyrene	86		85		40-140	1		50
Pyrene	89		88		35-142	1		50
Biphenyl	85		81		37-127	5		50
4-Chloroaniline	77		67		40-140	14		50
2-Nitroaniline	92		82		47-134	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1959908-2 WG1959908-3								
3-Nitroaniline	95		70		26-129	30		50
4-Nitroaniline	105		84		41-125	22		50
Dibenzofuran	87		80		40-140	8		50
2-Methylnaphthalene	86		82		40-140	5		50
1,2,4,5-Tetrachlorobenzene	86		85		40-117	1		50
Acetophenone	82		80		14-144	2		50
2,4,6-Trichlorophenol	90		85		30-130	6		50
p-Chloro-m-cresol	87		85		26-103	2		50
2-Chlorophenol	84		82		25-102	2		50
2,4-Dichlorophenol	88		80		30-130	10		50
2,4-Dimethylphenol	70		71		30-130	1		50
2-Nitrophenol	44		81		30-130	**59**	Q	50
4-Nitrophenol	68		79		11-114	15		50
2,4-Dinitrophenol	5		75		4-130	**176**	Q	50
4,6-Dinitro-o-cresol	**5**	Q	83		10-130	**176**	Q	50
Pentachlorophenol	89		86		17-109	3		50
Phenol	83		82		26-90	1		50
2-Methylphenol	82		80		30-130.	2		50
3-Methylphenol/4-Methylphenol	85		83		30-130	2		50
2,4,5-Trichlorophenol	95		85		30-130	11		50
Benzoic Acid	28		36		10-110	25		50
Benzyl Alcohol	79		80		40-140	1		50
Carbazole	88		88		54-128	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-12 Batch: WG1959908-2 WG1959908-3								
1,4-Dioxane	55		57		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		75		25-120
Phenol-d6	79		78		10-120
Nitrobenzene-d5	69		70		23-120
2-Fluorobiphenyl	77		74		30-120
2,4,6-Tribromophenol	90		76		10-136
4-Terphenyl-d14	79		78		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

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): 01,07 Batch: WG1962178-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	121		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	124		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	128		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	124		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	121		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	118		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	109		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	143		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	123		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	132		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	128		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	140		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	117		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	133		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	118		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	89		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	124		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

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): 01,07 Batch: WG1962178-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77				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)	80				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77				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)	74				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	72				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)	83				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	83				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	60				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)	79				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	52				15-109

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,07 Batch: WG1962178-3								
Perfluorobutanoic Acid (PFBA)	125		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	130		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	121		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	136		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	132		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	120		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	133		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	130		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	122		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	124		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	124		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	135		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	138		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	126		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	121		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	119		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	127		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	106		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	96		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	123		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01,07 Batch: WG1962178-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	90				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)	77				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)	84				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80				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)	84				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)	64				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	80				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	84				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	88				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	53				15-109

PCBS

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01
Client ID: SB-01 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 09:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 10:07
Analyst: MHG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.2	4.46	1	A
Aroclor 1221	ND		ug/kg	50.2	5.03	1	A
Aroclor 1232	ND		ug/kg	50.2	10.6	1	A
Aroclor 1242	ND		ug/kg	50.2	6.77	1	A
Aroclor 1248	ND		ug/kg	50.2	7.53	1	A
Aroclor 1254	ND		ug/kg	50.2	5.49	1	A
Aroclor 1260	ND		ug/kg	50.2	9.28	1	A
Aroclor 1262	ND		ug/kg	50.2	6.38	1	A
Aroclor 1268	ND		ug/kg	50.2	5.20	1	A
PCBs, Total	ND		ug/kg	50.2	4.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02
Client ID: SB-02 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 10:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 10:15
Analyst: MHG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.7	4.59	1	A
Aroclor 1221	ND		ug/kg	51.7	5.18	1	A
Aroclor 1232	ND		ug/kg	51.7	11.0	1	A
Aroclor 1242	ND		ug/kg	51.7	6.96	1	A
Aroclor 1248	ND		ug/kg	51.7	7.75	1	A
Aroclor 1254	ND		ug/kg	51.7	5.65	1	A
Aroclor 1260	ND		ug/kg	51.7	9.55	1	A
Aroclor 1262	ND		ug/kg	51.7	6.56	1	A
Aroclor 1268	ND		ug/kg	51.7	5.35	1	A
PCBs, Total	ND		ug/kg	51.7	4.59	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03
Client ID: SB-03 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 10:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 10:23
Analyst: MHG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.9	4.87	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	22.6	J	ug/kg	54.9	8.23	1	B
Aroclor 1254	37.5	J	ug/kg	54.9	6.00	1	A
Aroclor 1260	11.3	J	ug/kg	54.9	10.1	1	B
Aroclor 1262	ND		ug/kg	54.9	6.97	1	A
Aroclor 1268	ND		ug/kg	54.9	5.68	1	A
PCBs, Total	71.4	J	ug/kg	54.9	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04
Client ID: SB-04 (0.5-1)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 10:30
Analyst: MHG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.4	4.83	1	A
Aroclor 1221	ND		ug/kg	54.4	5.45	1	A
Aroclor 1232	ND		ug/kg	54.4	11.5	1	A
Aroclor 1242	ND		ug/kg	54.4	7.33	1	A
Aroclor 1248	ND		ug/kg	54.4	8.16	1	A
Aroclor 1254	ND		ug/kg	54.4	5.95	1	A
Aroclor 1260	ND		ug/kg	54.4	10.0	1	A
Aroclor 1262	ND		ug/kg	54.4	6.91	1	A
Aroclor 1268	ND		ug/kg	54.4	5.64	1	A
PCBs, Total	ND		ug/kg	54.4	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05
Client ID: SB-05 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:20
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 10:38
Analyst: MHG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.2	4.73	1	A
Aroclor 1221	ND		ug/kg	53.2	5.33	1	A
Aroclor 1232	ND		ug/kg	53.2	11.3	1	A
Aroclor 1242	ND		ug/kg	53.2	7.18	1	A
Aroclor 1248	ND		ug/kg	53.2	7.98	1	A
Aroclor 1254	ND		ug/kg	53.2	5.82	1	A
Aroclor 1260	ND		ug/kg	53.2	9.84	1	A
Aroclor 1262	ND		ug/kg	53.2	6.76	1	A
Aroclor 1268	ND		ug/kg	53.2	5.52	1	A
PCBs, Total	ND		ug/kg	53.2	4.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06
Client ID: SB-06 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:45
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 10:45
Analyst: MHG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.9	4.61	1	A
Aroclor 1221	ND		ug/kg	51.9	5.20	1	A
Aroclor 1232	ND		ug/kg	51.9	11.0	1	A
Aroclor 1242	ND		ug/kg	51.9	7.00	1	A
Aroclor 1248	ND		ug/kg	51.9	7.78	1	A
Aroclor 1254	ND		ug/kg	51.9	5.68	1	A
Aroclor 1260	ND		ug/kg	51.9	9.59	1	A
Aroclor 1262	ND		ug/kg	51.9	6.59	1	A
Aroclor 1268	ND		ug/kg	51.9	5.38	1	A
PCBs, Total	ND		ug/kg	51.9	4.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07
Client ID: SB-07 (8.5-9)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 12:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 10:53
Analyst: MHG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.2	4.91	1	A
Aroclor 1221	ND		ug/kg	55.2	5.54	1	A
Aroclor 1232	ND		ug/kg	55.2	11.7	1	A
Aroclor 1242	ND		ug/kg	55.2	7.45	1	A
Aroclor 1248	ND		ug/kg	55.2	8.29	1	A
Aroclor 1254	ND		ug/kg	55.2	6.04	1	A
Aroclor 1260	ND		ug/kg	55.2	10.2	1	A
Aroclor 1262	ND		ug/kg	55.2	7.02	1	A
Aroclor 1268	ND		ug/kg	55.2	5.72	1	A
PCBs, Total	ND		ug/kg	55.2	4.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08
Client ID: SB-08 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 13:15
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 11:00
Analyst: MHG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.8	4.78	1	A
Aroclor 1221	ND		ug/kg	53.8	5.40	1	A
Aroclor 1232	ND		ug/kg	53.8	11.4	1	A
Aroclor 1242	ND		ug/kg	53.8	7.26	1	A
Aroclor 1248	ND		ug/kg	53.8	8.08	1	A
Aroclor 1254	ND		ug/kg	53.8	5.89	1	A
Aroclor 1260	ND		ug/kg	53.8	9.95	1	A
Aroclor 1262	ND		ug/kg	53.8	6.84	1	A
Aroclor 1268	ND		ug/kg	53.8	5.58	1	A
PCBs, Total	ND		ug/kg	53.8	4.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09
Client ID: SB-09 (3.5-4)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 11:08
Analyst: MHG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.2	4.45	1	A
Aroclor 1221	ND		ug/kg	50.2	5.02	1	A
Aroclor 1232	ND		ug/kg	50.2	10.6	1	A
Aroclor 1242	ND		ug/kg	50.2	6.76	1	A
Aroclor 1248	ND		ug/kg	50.2	7.52	1	A
Aroclor 1254	ND		ug/kg	50.2	5.49	1	A
Aroclor 1260	ND		ug/kg	50.2	9.27	1	A
Aroclor 1262	ND		ug/kg	50.2	6.37	1	A
Aroclor 1268	ND		ug/kg	50.2	5.20	1	A
PCBs, Total	ND		ug/kg	50.2	4.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10
Client ID: SB-10 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 13:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 11:15
Analyst: MHG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.5	4.49	1	A
Aroclor 1221	ND		ug/kg	50.5	5.06	1	A
Aroclor 1232	ND		ug/kg	50.5	10.7	1	A
Aroclor 1242	ND		ug/kg	50.5	6.81	1	A
Aroclor 1248	ND		ug/kg	50.5	7.58	1	A
Aroclor 1254	ND		ug/kg	50.5	5.53	1	A
Aroclor 1260	ND		ug/kg	50.5	9.34	1	A
Aroclor 1262	ND		ug/kg	50.5	6.42	1	A
Aroclor 1268	ND		ug/kg	50.5	5.24	1	A
PCBs, Total	ND		ug/kg	50.5	4.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11
Client ID: SB-13 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 11:23
Analyst: MHG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.1	4.89	1	A
Aroclor 1221	ND		ug/kg	55.1	5.52	1	A
Aroclor 1232	ND		ug/kg	55.1	11.7	1	A
Aroclor 1242	ND		ug/kg	55.1	7.43	1	A
Aroclor 1248	ND		ug/kg	55.1	8.27	1	A
Aroclor 1254	ND		ug/kg	55.1	6.03	1	B
Aroclor 1260	ND		ug/kg	55.1	10.2	1	A
Aroclor 1262	ND		ug/kg	55.1	7.00	1	A
Aroclor 1268	ND		ug/kg	55.1	5.71	1	A
PCBs, Total	ND		ug/kg	55.1	4.89	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12
Client ID: SB-14 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:15
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/24 11:30
Analyst: MHG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 17:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.6	4.85	1	A
Aroclor 1221	ND		ug/kg	54.6	5.47	1	A
Aroclor 1232	ND		ug/kg	54.6	11.6	1	A
Aroclor 1242	ND		ug/kg	54.6	7.36	1	A
Aroclor 1248	ND		ug/kg	54.6	8.19	1	A
Aroclor 1254	ND		ug/kg	54.6	5.97	1	A
Aroclor 1260	ND		ug/kg	54.6	10.1	1	A
Aroclor 1262	ND		ug/kg	54.6	6.94	1	A
Aroclor 1268	ND		ug/kg	54.6	5.66	1	A
PCBs, Total	ND		ug/kg	54.6	4.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/17/24 08:44
Analyst: MHG

Extraction Method: EPA 3546
Extraction Date: 08/15/24 14:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-12 Batch: WG1959860-1						
Aroclor 1016	ND		ug/kg	46.1	4.09	A
Aroclor 1221	ND		ug/kg	46.1	4.62	A
Aroclor 1232	ND		ug/kg	46.1	9.77	A
Aroclor 1242	ND		ug/kg	46.1	6.21	A
Aroclor 1248	ND		ug/kg	46.1	6.91	A
Aroclor 1254	ND		ug/kg	46.1	5.04	A
Aroclor 1260	ND		ug/kg	46.1	8.52	A
Aroclor 1262	ND		ug/kg	46.1	5.85	A
Aroclor 1268	ND		ug/kg	46.1	4.77	A
PCBs, Total	ND		ug/kg	46.1	4.09	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	92		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1959860-2 WG1959860-3									
Aroclor 1016	79		85		40-140	7		50	A
Aroclor 1260	76		82		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	A
Decachlorobiphenyl	73		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		85		30-150	B
Decachlorobiphenyl	89		96		30-150	B

PESTICIDES

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01
Client ID: SB-01 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 09:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 14:08
Analyst: MMG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.328	1	A
Lindane	ND		ug/kg	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.198	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.838	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.590	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.943	1	A
Endrin	ND		ug/kg	0.699	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.734	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.333	1	A
Methoxychlor	ND		ug/kg	3.14	0.978	1	A
Toxaphene	ND		ug/kg	31.4	8.80	1	A
cis-Chlordane	ND		ug/kg	2.10	0.584	1	A
trans-Chlordane	ND		ug/kg	2.10	0.553	1	A
Chlordane	ND		ug/kg	14.0	5.56	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01 Date Collected: 08/12/24 09:00

Client ID: SB-01 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	75		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02
Client ID: SB-02 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 10:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 14:19
Analyst: MMG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

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	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.864	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	0.720	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.756	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
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	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.720	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	0.602	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: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02 Date Collected: 08/12/24 10:30

Client ID: SB-02 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	66		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03
Client ID: SB-03 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 10:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 14:30
Analyst: MMG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.712	0.318	1	A
Alpha-BHC	ND		ug/kg	0.712	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.648	1	A
Heptachlor	ND		ug/kg	0.855	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.962	1	A
Endrin	ND		ug/kg	0.712	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.748	1	A
Endrin ketone	ND		ug/kg	1.71	0.440	1	A
Dieldrin	1.56	IP	ug/kg	1.07	0.534	1	A
4,4'-DDE	3.54	IP	ug/kg	1.71	0.395	1	A
4,4'-DDD	11.4	IP	ug/kg	1.71	0.610	1	A
4,4'-DDT	ND	IP	ug/kg	1.71	1.37	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.571	1	A
Endosulfan sulfate	ND		ug/kg	0.712	0.339	1	A
Methoxychlor	ND		ug/kg	3.20	0.997	1	A
Toxaphene	ND		ug/kg	32.0	8.98	1	A
cis-Chlordane	3.54		ug/kg	2.14	0.596	1	B
trans-Chlordane	3.43	IP	ug/kg	2.14	0.564	1	A
Chlordane	52.2		ug/kg	14.2	5.66	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03 Date Collected: 08/12/24 10:00

Client ID: SB-03 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	47		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04
Client ID: SB-04 (0.5-1)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 14:42
Analyst: MMG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.746	0.334	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.679	1	A
Heptachlor	ND		ug/kg	0.896	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.631	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.784	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	0.695	J	ug/kg	1.79	0.414	1	A
4,4'-DDD	0.767	J	ug/kg	1.79	0.639	1	B
4,4'-DDT	ND		ug/kg	1.79	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	ND		ug/kg	2.24	0.624	1	A
trans-Chlordane	ND		ug/kg	2.24	0.591	1	A
Chlordane	ND		ug/kg	14.9	5.93	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04 Date Collected: 08/12/24 11:00

Client ID: SB-04 (0.5-1) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	69		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05
Client ID: SB-05 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:20
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 14:53
Analyst: MMG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.353	1	A
Lindane	ND		ug/kg	0.750	0.335	1	A
Alpha-BHC	ND		ug/kg	0.750	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.683	1	A
Heptachlor	ND		ug/kg	0.900	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.634	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.750	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.788	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.12	0.563	1	A
4,4'-DDE	ND		ug/kg	1.80	0.416	1	B
4,4'-DDD	ND		ug/kg	1.80	0.642	1	B
4,4'-DDT	ND		ug/kg	1.80	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.602	1	A
Endosulfan sulfate	ND		ug/kg	0.750	0.357	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.45	1	A
cis-Chlordane	ND		ug/kg	2.25	0.627	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	15.0	5.96	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05 Date Collected: 08/12/24 11:20

Client ID: SB-05 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	68		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06
Client ID: SB-06 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 11:45
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 15:04
Analyst: MMG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.849	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.955	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.743	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	0.626	J	ug/kg	1.70	0.393	1	B
4,4'-DDD	ND		ug/kg	1.70	0.606	1	B
4,4'-DDT	ND		ug/kg	1.70	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.707	0.337	1	A
Methoxychlor	ND		ug/kg	3.18	0.990	1	A
Toxaphene	ND		ug/kg	31.8	8.91	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	14.1	5.62	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06 Date Collected: 08/12/24 11:45

Client ID: SB-06 (1-1.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	76		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07
Client ID: SB-07 (8.5-9)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 12:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 15:15
Analyst: MMG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.342	1	A
Lindane	ND		ug/kg	0.727	0.325	1	A
Alpha-BHC	ND		ug/kg	0.727	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.661	1	A
Heptachlor	ND		ug/kg	0.872	0.391	1	A
Aldrin	ND		ug/kg	1.74	0.614	1	A
Heptachlor epoxide	ND		ug/kg	3.27	0.981	1	A
Endrin	ND		ug/kg	0.727	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.763	1	A
Endrin ketone	ND		ug/kg	1.74	0.449	1	A
Dieldrin	ND		ug/kg	1.09	0.545	1	A
4,4'-DDE	ND		ug/kg	1.74	0.403	1	A
4,4'-DDD	ND		ug/kg	1.74	0.622	1	A
4,4'-DDT	ND		ug/kg	1.74	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.412	1	A
Endosulfan II	ND		ug/kg	1.74	0.583	1	A
Endosulfan sulfate	ND		ug/kg	0.727	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
Toxaphene	ND		ug/kg	32.7	9.16	1	A
cis-Chlordane	ND		ug/kg	2.18	0.607	1	A
trans-Chlordane	ND		ug/kg	2.18	0.575	1	A
Chlordane	ND		ug/kg	14.5	5.78	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07 Date Collected: 08/12/24 12:00

Client ID: SB-07 (8.5-9) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	70		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08
Client ID: SB-08 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 13:15
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 15:26
Analyst: MMG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.730	0.326	1	A
Alpha-BHC	ND		ug/kg	0.730	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.876	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.986	1	A
Endrin	ND		ug/kg	0.730	0.299	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.767	1	A
Endrin ketone	ND		ug/kg	1.75	0.451	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.405	1	A
4,4'-DDD	ND		ug/kg	1.75	0.625	1	A
4,4'-DDT	ND		ug/kg	1.75	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.730	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.20	1	A
cis-Chlordane	ND		ug/kg	2.19	0.610	1	A
trans-Chlordane	ND		ug/kg	2.19	0.578	1	A
Chlordane	ND		ug/kg	14.6	5.81	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08 Date Collected: 08/12/24 13:15

Client ID: SB-08 (1.5-2) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	68		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09
Client ID: SB-09 (3.5-4)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 15:38
Analyst: MMG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	1.71	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	0.999	1	A
Toxaphene	ND		ug/kg	32.1	8.99	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	14.3	5.68	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09 Date Collected: 08/12/24 14:00

Client ID: SB-09 (3.5-4) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	71		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10
Client ID: SB-10 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 13:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 15:49
Analyst: MMG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.704	0.315	1	A
Alpha-BHC	ND		ug/kg	0.704	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.641	1	A
Heptachlor	ND		ug/kg	0.845	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.951	1	A
Endrin	ND		ug/kg	0.704	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.739	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	1.21	J	ug/kg	1.69	0.391	1	B
4,4'-DDD	1.94		ug/kg	1.69	0.603	1	B
4,4'-DDT	ND		ug/kg	1.69	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.399	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.704	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.986	1	A
Toxaphene	ND		ug/kg	31.7	8.87	1	A
cis-Chlordane	ND		ug/kg	2.11	0.589	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	14.1	5.60	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10 Date Collected: 08/12/24 13:30

Client ID: SB-10 (3-3.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	65		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11
Client ID: SB-13 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 16:00
Analyst: MMG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.338	1	A
Lindane	ND		ug/kg	0.718	0.321	1	A
Alpha-BHC	ND		ug/kg	0.718	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.654	1	A
Heptachlor	ND		ug/kg	0.862	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.607	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.970	1	A
Endrin	ND		ug/kg	0.718	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.754	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	ND		ug/kg	1.08	0.539	1	A
4,4'-DDE	ND		ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.615	1	A
4,4'-DDT	ND		ug/kg	1.72	1.39	1	A
Endosulfan I	ND		ug/kg	1.72	0.407	1	A
Endosulfan II	ND		ug/kg	1.72	0.576	1	A
Endosulfan sulfate	ND		ug/kg	0.718	0.342	1	A
Methoxychlor	ND		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.05	1	A
cis-Chlordane	ND		ug/kg	2.15	0.600	1	A
trans-Chlordane	ND		ug/kg	2.15	0.569	1	A
Chlordane	ND		ug/kg	14.4	5.71	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11 Date Collected: 08/12/24 14:30

Client ID: SB-13 (2.5-3) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12
Client ID: SB-14 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/12/24 14:15
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/18/24 16:11
Analyst: MMG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/15/24 18:24
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.342	1	A
Lindane	ND		ug/kg	0.727	0.325	1	A
Alpha-BHC	ND		ug/kg	0.727	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.662	1	A
Heptachlor	ND		ug/kg	0.873	0.391	1	A
Aldrin	ND		ug/kg	1.74	0.615	1	A
Heptachlor epoxide	ND		ug/kg	3.27	0.982	1	A
Endrin	ND		ug/kg	0.727	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.764	1	A
Endrin ketone	ND		ug/kg	1.74	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.546	1	A
4,4'-DDE	0.844	J	ug/kg	1.74	0.404	1	B
4,4'-DDD	ND		ug/kg	1.74	0.623	1	B
4,4'-DDT	ND		ug/kg	1.74	1.40	1	B
Endosulfan I	ND		ug/kg	1.74	0.412	1	A
Endosulfan II	ND		ug/kg	1.74	0.583	1	A
Endosulfan sulfate	ND		ug/kg	0.727	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
Toxaphene	ND		ug/kg	32.7	9.16	1	A
cis-Chlordane	ND		ug/kg	2.18	0.608	1	A
trans-Chlordane	ND		ug/kg	2.18	0.576	1	A
Chlordane	ND		ug/kg	14.5	5.78	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445515

Project Number: 13740:2 **Report Date:** 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12 Date Collected: 08/12/24 14:15

Client ID: SB-14 (2-2.5) Date Received: 08/12/24

Sample Location: 1140 RIVER AVE BRONX, 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	74		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/16/24 16:39
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-12 Batch: WG1959896-1						
Delta-BHC	ND		ug/kg	1.56	0.305	A
Lindane	ND		ug/kg	0.650	0.290	A
Alpha-BHC	ND		ug/kg	0.650	0.184	A
Beta-BHC	ND		ug/kg	1.56	0.591	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.877	A
Endrin	ND		ug/kg	0.650	0.266	A
Endrin aldehyde	ND		ug/kg	1.95	0.682	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.975	0.487	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	1.56	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.368	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
Toxaphene	ND		ug/kg	29.2	8.19	A
cis-Chlordane	ND		ug/kg	1.95	0.543	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	13.0	5.16	A

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/16/24 16:39
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 08/15/24 16:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-12 Batch: WG1959896-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1959896-2 WG1959896-3									
Delta-BHC	80		82		30-150	2		30	A
Lindane	74		74		30-150	0		30	A
Alpha-BHC	74		75		30-150	1		30	A
Beta-BHC	73		73		30-150	0		30	A
Heptachlor	74		76		30-150	3		30	A
Aldrin	72		74		30-150	3		30	A
Heptachlor epoxide	54		55		30-150	2		30	A
Endrin	78		80		30-150	3		30	A
Endrin aldehyde	65		66		30-150	2		30	A
Endrin ketone	86		87		30-150	1		30	A
Dieldrin	83		85		30-150	2		30	A
4,4'-DDE	73		76		30-150	4		30	A
4,4'-DDD	81		82		30-150	1		30	A
4,4'-DDT	77		79		30-150	3		30	A
Endosulfan I	74		75		30-150	1		30	A
Endosulfan II	80		82		30-150	2		30	A
Endosulfan sulfate	79		81		30-150	3		30	A
Methoxychlor	76		76		30-150	0		30	A
cis-Chlordane	67		70		30-150	4		30	A
trans-Chlordane	74		75		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1959896-2 WG1959896-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		61		30-150	A
Decachlorobiphenyl	69		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		75		30-150	B
Decachlorobiphenyl	93		83		30-150	B

METALS

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01
Client ID: SB-01 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 09:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14600		mg/kg	17.2	4.65	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	8.62	0.655	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.18		mg/kg	1.72	0.358	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Barium, Total	69.3		mg/kg	1.72	0.300	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.554	J	mg/kg	0.862	0.057	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	1.72	0.169	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Calcium, Total	30200		mg/kg	17.2	6.03	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Chromium, Total	27.4		mg/kg	1.72	0.165	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Cobalt, Total	9.06		mg/kg	3.45	0.286	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Copper, Total	18.4		mg/kg	1.72	0.445	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Iron, Total	22000		mg/kg	8.62	1.56	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Lead, Total	7.09	J	mg/kg	8.62	0.462	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Magnesium, Total	23100		mg/kg	17.2	2.65	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Manganese, Total	486		mg/kg	1.72	0.274	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.076	0.049	1	08/14/24 01:34	08/16/24 20:03	EPA 7471B	1,7471B	JWN
Nickel, Total	22.6		mg/kg	4.31	0.417	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Potassium, Total	1360		mg/kg	431	24.8	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	3.45	0.445	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.862	0.488	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Sodium, Total	368		mg/kg	345	5.43	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Thallium, Total	1.15	J	mg/kg	3.45	0.543	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Vanadium, Total	40.2		mg/kg	1.72	0.350	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF
Zinc, Total	43.9		mg/kg	8.62	0.505	4	08/14/24 00:34	08/16/24 16:29	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02
Client ID: SB-02 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 10:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10700		mg/kg	8.76	2.36	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.38	0.333	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.29		mg/kg	0.876	0.182	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Barium, Total	137		mg/kg	0.876	0.152	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.444		mg/kg	0.438	0.029	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.216	J	mg/kg	0.876	0.086	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Calcium, Total	38600		mg/kg	8.76	3.06	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Chromium, Total	23.3		mg/kg	0.876	0.084	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Cobalt, Total	5.74		mg/kg	1.75	0.145	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Copper, Total	21.6		mg/kg	0.876	0.226	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Iron, Total	14800		mg/kg	4.38	0.791	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Lead, Total	49.5		mg/kg	4.38	0.235	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Magnesium, Total	27400		mg/kg	8.76	1.35	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Manganese, Total	318		mg/kg	0.876	0.139	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Mercury, Total	0.081		mg/kg	0.078	0.051	1	08/14/24 01:34	08/16/24 20:13	EPA 7471B	1,7471B	JWN
Nickel, Total	14.6		mg/kg	2.19	0.212	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Potassium, Total	1430		mg/kg	219	12.6	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.75	0.226	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.438	0.248	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Sodium, Total	150	J	mg/kg	175	2.76	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Thallium, Total	0.682	J	mg/kg	1.75	0.276	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Vanadium, Total	29.8		mg/kg	0.876	0.178	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF
Zinc, Total	89.4		mg/kg	4.38	0.257	2	08/14/24 00:34	08/16/24 15:30	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03
Client ID: SB-03 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 10:00
Date Received: 08/12/24
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	7870		mg/kg	8.69	2.34	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Antimony, Total	0.988	J	mg/kg	4.34	0.330	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Arsenic, Total	9.16		mg/kg	0.869	0.181	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Barium, Total	34.3		mg/kg	0.869	0.151	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.232	J	mg/kg	0.434	0.029	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.504	J	mg/kg	0.869	0.085	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Calcium, Total	14800		mg/kg	8.69	3.04	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Chromium, Total	21.9		mg/kg	0.869	0.083	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Cobalt, Total	7.28		mg/kg	1.74	0.144	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Copper, Total	38.3		mg/kg	0.869	0.224	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Iron, Total	24800		mg/kg	4.34	0.784	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Lead, Total	293		mg/kg	4.34	0.233	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Magnesium, Total	4480		mg/kg	8.69	1.34	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Manganese, Total	236		mg/kg	0.869	0.138	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Mercury, Total	0.251		mg/kg	0.077	0.050	1	08/14/24 01:34	08/16/24 20:16	EPA 7471B	1,7471B	JWN
Nickel, Total	17.0		mg/kg	2.17	0.210	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Potassium, Total	1970		mg/kg	217	12.5	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.74	0.224	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.434	0.246	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Sodium, Total	386		mg/kg	174	2.74	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Thallium, Total	0.562	J	mg/kg	1.74	0.274	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Vanadium, Total	29.1		mg/kg	0.869	0.176	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF
Zinc, Total	682		mg/kg	4.34	0.254	2	08/14/24 00:34	08/16/24 15:34	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04
Client ID: SB-04 (0.5-1)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 11:00
Date Received: 08/12/24
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	16200		mg/kg	8.73	2.36	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Antimony, Total	0.792	J	mg/kg	4.37	0.332	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Arsenic, Total	7.49		mg/kg	0.873	0.182	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Barium, Total	91.6		mg/kg	0.873	0.152	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.834		mg/kg	0.437	0.029	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.382	J	mg/kg	0.873	0.086	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Calcium, Total	31900		mg/kg	8.73	3.06	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Chromium, Total	24.9		mg/kg	0.873	0.084	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Cobalt, Total	8.86		mg/kg	1.75	0.145	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Copper, Total	59.3		mg/kg	0.873	0.225	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Iron, Total	32300		mg/kg	4.37	0.789	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Lead, Total	60.5		mg/kg	4.37	0.234	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Magnesium, Total	29400		mg/kg	8.73	1.34	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Manganese, Total	456		mg/kg	0.873	0.139	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Mercury, Total	0.085		mg/kg	0.078	0.051	1	08/14/24 01:34	08/16/24 20:19	EPA 7471B	1,7471B	JWN
Nickel, Total	16.6		mg/kg	2.18	0.211	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Potassium, Total	2280		mg/kg	218	12.6	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.75	0.225	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.437	0.247	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Sodium, Total	1150		mg/kg	175	2.75	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Thallium, Total	1.73	J	mg/kg	3.49	0.550	4	08/14/24 00:34	08/16/24 19:51	EPA 3050B	1,6010D	JMF
Vanadium, Total	33.0		mg/kg	0.873	0.177	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF
Zinc, Total	110		mg/kg	4.37	0.256	2	08/14/24 00:34	08/16/24 16:09	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05
Client ID: SB-05 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 11:20
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11600		mg/kg	9.02	2.43	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.51	0.342	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.19		mg/kg	0.902	0.188	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Barium, Total	216		mg/kg	0.902	0.157	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.470		mg/kg	0.451	0.030	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.358	J	mg/kg	0.902	0.088	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Calcium, Total	33600		mg/kg	9.02	3.16	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Chromium, Total	20.6		mg/kg	0.902	0.087	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Cobalt, Total	5.62		mg/kg	1.80	0.150	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Copper, Total	21.7		mg/kg	0.902	0.233	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Iron, Total	14900		mg/kg	4.51	0.814	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Lead, Total	74.1		mg/kg	4.51	0.242	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Magnesium, Total	23300		mg/kg	9.02	1.39	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Manganese, Total	224		mg/kg	0.902	0.143	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Mercury, Total	0.125		mg/kg	0.081	0.053	1	08/14/24 01:34	08/16/24 20:23	EPA 7471B	1,7471B	JWN
Nickel, Total	13.3		mg/kg	2.25	0.218	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Potassium, Total	1280		mg/kg	225	13.0	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Selenium, Total	0.366	J	mg/kg	1.80	0.233	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.451	0.255	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Sodium, Total	346		mg/kg	180	2.84	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Thallium, Total	0.930	J	mg/kg	1.80	0.284	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Vanadium, Total	29.2		mg/kg	0.902	0.183	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF
Zinc, Total	182		mg/kg	4.51	0.264	2	08/14/24 00:34	08/16/24 16:13	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06
Client ID: SB-06 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 11:45
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	8.46	2.28	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.23	0.322	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.48		mg/kg	0.846	0.176	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Barium, Total	87.1		mg/kg	0.846	0.147	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.417	J	mg/kg	0.423	0.028	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.846	0.083	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Calcium, Total	6480		mg/kg	8.46	2.96	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Chromium, Total	18.7		mg/kg	0.846	0.081	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Cobalt, Total	6.14		mg/kg	1.69	0.140	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Copper, Total	14.8		mg/kg	0.846	0.218	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Iron, Total	15900		mg/kg	4.23	0.764	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Lead, Total	59.2		mg/kg	4.23	0.227	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Magnesium, Total	4180		mg/kg	8.46	1.30	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Manganese, Total	293		mg/kg	0.846	0.134	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Mercury, Total	0.104		mg/kg	0.069	0.045	1	08/14/24 01:34	08/16/24 20:33	EPA 7471B	1,7471B	JWN
Nickel, Total	13.8		mg/kg	2.12	0.205	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Potassium, Total	1580		mg/kg	212	12.2	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.69	0.218	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.423	0.239	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Sodium, Total	197		mg/kg	169	2.66	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Thallium, Total	0.609	J	mg/kg	1.69	0.266	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Vanadium, Total	25.2		mg/kg	0.846	0.172	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF
Zinc, Total	53.1		mg/kg	4.23	0.248	2	08/14/24 00:34	08/16/24 16:17	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07
Client ID: SB-07 (8.5-9)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 12:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	45700		mg/kg	17.8	4.82	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	8.92	0.678	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Arsenic, Total	10.7		mg/kg	1.78	0.371	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Barium, Total	19.5		mg/kg	1.78	0.310	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Beryllium, Total	1.54		mg/kg	0.892	0.059	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.201	J	mg/kg	1.78	0.175	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Calcium, Total	8280		mg/kg	17.8	6.24	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Chromium, Total	47.0		mg/kg	1.78	0.171	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Cobalt, Total	12.9		mg/kg	3.57	0.296	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Copper, Total	18.6		mg/kg	1.78	0.460	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Iron, Total	29100		mg/kg	8.92	1.61	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Lead, Total	6.39	J	mg/kg	8.92	0.478	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Magnesium, Total	74700		mg/kg	17.8	2.75	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Manganese, Total	949		mg/kg	1.78	0.284	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.078	0.051	1	08/14/24 01:34	08/16/24 20:36	EPA 7471B	1,7471B	JWN
Nickel, Total	17.7		mg/kg	4.46	0.432	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Potassium, Total	551		mg/kg	446	25.7	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	3.57	0.460	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.892	0.505	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Sodium, Total	618		mg/kg	357	5.62	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Thallium, Total	3.31	J	mg/kg	3.57	0.562	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Vanadium, Total	56.9		mg/kg	1.78	0.362	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF
Zinc, Total	39.4		mg/kg	8.92	0.523	4	08/14/24 00:34	08/16/24 19:55	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08
Client ID: SB-08 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 13:15
Date Received: 08/12/24
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	10300		mg/kg	8.58	2.32	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.29	0.326	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.77		mg/kg	0.858	0.178	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Barium, Total	140		mg/kg	0.858	0.149	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.344	J	mg/kg	0.429	0.028	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.238	J	mg/kg	0.858	0.084	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Calcium, Total	27800		mg/kg	8.58	3.00	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Chromium, Total	22.2		mg/kg	0.858	0.082	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Cobalt, Total	8.29		mg/kg	1.72	0.142	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Copper, Total	44.7		mg/kg	0.858	0.221	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Iron, Total	18400		mg/kg	4.29	0.775	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Lead, Total	87.1		mg/kg	4.29	0.230	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Magnesium, Total	17600		mg/kg	8.58	1.32	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Manganese, Total	283		mg/kg	0.858	0.136	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Mercury, Total	0.094		mg/kg	0.072	0.047	1	08/14/24 01:34	08/16/24 20:39	EPA 7471B	1,7471B	JWN
Nickel, Total	16.6		mg/kg	2.15	0.208	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Potassium, Total	2540		mg/kg	215	12.4	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.72	0.221	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.429	0.243	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Sodium, Total	257		mg/kg	172	2.70	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Thallium, Total	1.20	J	mg/kg	1.72	0.270	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Vanadium, Total	43.7		mg/kg	0.858	0.174	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF
Zinc, Total	102		mg/kg	4.29	0.252	2	08/14/24 00:34	08/16/24 16:25	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09
Client ID: SB-09 (3.5-4)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 14:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12100		mg/kg	8.37	2.26	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.18	0.318	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Arsenic, Total	4.33		mg/kg	0.837	0.174	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Barium, Total	127		mg/kg	0.837	0.146	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.406	J	mg/kg	0.418	0.028	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.154	J	mg/kg	0.837	0.082	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Calcium, Total	3350		mg/kg	8.37	2.93	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Chromium, Total	30.2		mg/kg	0.837	0.080	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Cobalt, Total	7.82		mg/kg	1.67	0.139	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Copper, Total	24.6		mg/kg	0.837	0.216	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Iron, Total	18300		mg/kg	4.18	0.756	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Lead, Total	43.6		mg/kg	4.18	0.224	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Magnesium, Total	5480		mg/kg	8.37	1.29	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Manganese, Total	409		mg/kg	0.837	0.133	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Mercury, Total	0.095		mg/kg	0.076	0.050	1	08/14/24 01:34	08/16/24 20:43	EPA 7471B	1,7471B	JWN
Nickel, Total	27.4		mg/kg	2.09	0.202	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Potassium, Total	2770		mg/kg	209	12.0	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.67	0.216	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.418	0.237	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Sodium, Total	136	J	mg/kg	167	2.64	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Thallium, Total	0.824	J	mg/kg	1.67	0.264	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Vanadium, Total	34.1		mg/kg	0.837	0.170	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF
Zinc, Total	75.0		mg/kg	4.18	0.245	2	08/14/24 00:34	08/16/24 17:23	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10
Client ID: SB-10 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 13:30
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10700		mg/kg	8.46	2.28	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.23	0.322	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.25		mg/kg	0.846	0.176	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Barium, Total	151		mg/kg	0.846	0.147	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.592		mg/kg	0.423	0.028	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.353	J	mg/kg	0.846	0.083	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Calcium, Total	47200		mg/kg	8.46	2.96	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Chromium, Total	19.5		mg/kg	0.846	0.081	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Cobalt, Total	5.35		mg/kg	1.69	0.140	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Copper, Total	24.0		mg/kg	0.846	0.218	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Iron, Total	14600		mg/kg	4.23	0.764	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Lead, Total	72.4		mg/kg	4.23	0.227	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Magnesium, Total	31500		mg/kg	8.46	1.30	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Manganese, Total	395		mg/kg	0.846	0.134	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Mercury, Total	0.078		mg/kg	0.071	0.047	1	08/14/24 01:34	08/16/24 20:46	EPA 7471B	1,7471B	JWN
Nickel, Total	13.1		mg/kg	2.12	0.205	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Potassium, Total	1420		mg/kg	212	12.2	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.69	0.218	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.423	0.239	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Sodium, Total	892		mg/kg	169	2.66	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Thallium, Total	0.646	J	mg/kg	1.69	0.266	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Vanadium, Total	24.2		mg/kg	0.846	0.172	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF
Zinc, Total	117		mg/kg	4.23	0.248	2	08/14/24 00:34	08/16/24 17:27	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-11
Client ID: SB-13 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 14:30
Date Received: 08/12/24
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	13900		mg/kg	8.79	2.37	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.40	0.334	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.84		mg/kg	0.879	0.183	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Barium, Total	81.1		mg/kg	0.879	0.153	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.841		mg/kg	0.440	0.029	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.489	J	mg/kg	0.879	0.086	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Calcium, Total	21700		mg/kg	8.79	3.08	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Chromium, Total	23.0		mg/kg	0.879	0.084	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Cobalt, Total	6.38		mg/kg	1.76	0.146	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Copper, Total	29.3		mg/kg	0.879	0.227	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Iron, Total	17700		mg/kg	4.40	0.794	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Lead, Total	143		mg/kg	4.40	0.236	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Magnesium, Total	24800		mg/kg	8.79	1.35	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Manganese, Total	478		mg/kg	0.879	0.140	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Mercury, Total	0.144		mg/kg	0.074	0.048	1	08/14/24 01:34	08/16/24 20:49	EPA 7471B	1,7471B	JWN
Nickel, Total	14.8		mg/kg	2.20	0.213	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Potassium, Total	1420		mg/kg	220	12.7	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.76	0.227	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.440	0.249	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Sodium, Total	210		mg/kg	176	2.77	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Thallium, Total	0.792	J	mg/kg	1.76	0.277	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Vanadium, Total	29.2		mg/kg	0.879	0.178	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF
Zinc, Total	91.7		mg/kg	4.40	0.258	2	08/14/24 00:34	08/16/24 17:31	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445515
Project Number: 13740:2
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12
Client ID: SB-14 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 14:15
Date Received: 08/12/24
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	7250		mg/kg	8.97	2.42	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.48	0.341	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Arsenic, Total	5.93		mg/kg	0.897	0.186	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Barium, Total	74.0		mg/kg	0.897	0.156	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.664		mg/kg	0.448	0.030	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.897	0.088	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Calcium, Total	78100		mg/kg	8.97	3.14	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Chromium, Total	10.0		mg/kg	0.897	0.086	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.17		mg/kg	1.79	0.149	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Copper, Total	14.4		mg/kg	0.897	0.231	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Iron, Total	8910		mg/kg	4.48	0.810	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Lead, Total	25.1		mg/kg	4.48	0.240	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Magnesium, Total	22300		mg/kg	8.97	1.38	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Manganese, Total	219		mg/kg	0.897	0.143	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Mercury, Total	0.097		mg/kg	0.073	0.048	1	08/14/24 08:40	08/14/24 13:26	EPA 7471B	1,7471B	JWN
Nickel, Total	7.86		mg/kg	2.24	0.217	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Potassium, Total	1220		mg/kg	224	12.9	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.79	0.231	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.448	0.254	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Sodium, Total	338		mg/kg	179	2.82	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Thallium, Total	0.658	J	mg/kg	1.79	0.282	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Vanadium, Total	14.5		mg/kg	0.897	0.182	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF
Zinc, Total	38.4		mg/kg	4.48	0.263	2	08/14/24 08:05	08/16/24 21:42	EPA 3050B	1,6010D	JMF

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

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): 01-11 Batch: WG1958663-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Iron, Total	0.515	J	mg/kg	2.00	0.361	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Sodium, Total	9.01	J	mg/kg	80.0	1.26	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/14/24 00:34	08/16/24 15:22	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/14/24 00:34	08/16/24 15:22	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): 01-11 Batch: WG1958667-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/14/24 01:34	08/16/24 19:56	1,7471B	JWN

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 12 Batch: WG1959027-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Iron, Total	0.443	J	mg/kg	2.00	0.361	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL
Zinc, Total	0.120	J	mg/kg	2.00	0.117	1	08/14/24 08:05	08/14/24 10:33	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

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): 12 Batch: WG1959029-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/14/24 08:40	08/14/24 10:25	1,7471B	JWN

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1958663-2								
Aluminum, Total	99		-		80-120	-		
Antimony, Total	102		-		80-120	-		
Arsenic, Total	95		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	103		-		80-120	-		
Cadmium, Total	99		-		80-120	-		
Calcium, Total	101		-		80-120	-		
Chromium, Total	100		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	102		-		80-120	-		
Iron, Total	102		-		80-120	-		
Lead, Total	97		-		80-120	-		
Magnesium, Total	100		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Nickel, Total	102		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	99		-		80-120	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	106		-		80-120	-		
Thallium, Total	94		-		80-120	-		
Vanadium, Total	102		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1958663-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1958667-2					
Mercury, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1959027-2					
Aluminum, Total	105	-	80-120	-	
Antimony, Total	109	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	109	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Calcium, Total	108	-	80-120	-	
Chromium, Total	104	-	80-120	-	
Cobalt, Total	106	-	80-120	-	
Copper, Total	107	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	105	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	108	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	108	-	80-120	-	
Selenium, Total	102	-	80-120	-	
Silver, Total	108	-	80-120	-	
Sodium, Total	110	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1959027-2					
Zinc, Total	108	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1959029-2					
Mercury, Total	98	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

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): 01-11 QC Batch ID: WG1958663-3 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)												
Aluminum, Total	14600	168	11800	**0**	Q	-	-		75-125	-		20
Antimony, Total	ND	41.9	28.8	**69**	Q	-	-		75-125	-		20
Arsenic, Total	3.18	10.1	12.5	92		-	-		75-125	-		20
Barium, Total	69.3	168	205	81		-	-		75-125	-		20
Beryllium, Total	0.554J	4.19	4.46	106		-	-		75-125	-		20
Cadmium, Total	ND	4.44	3.90	88		-	-		75-125	-		20
Calcium, Total	30200	839	36200	**715**	Q	-	-		75-125	-		20
Chromium, Total	27.4	16.8	37.5	**60**	Q	-	-		75-125	-		20
Cobalt, Total	9.06	41.9	43.1	81		-	-		75-125	-		20
Copper, Total	18.4	21	35.3	80		-	-		75-125	-		20
Iron, Total	22000	83.9	18300	**0**	Q	-	-		75-125	-		20
Lead, Total	7.09J	44.4	47.7	107		-	-		75-125	-		20
Magnesium, Total	23100	839	25400	**274**	Q	-	-		75-125	-		20
Manganese, Total	486	41.9	412	**0**	Q	-	-		75-125	-		20
Nickel, Total	22.6	41.9	56.0	80		-	-		75-125	-		20
Potassium, Total	1360	839	1880	**62**	Q	-	-		75-125	-		20
Selenium, Total	ND	10.1	9.56	95		-	-		75-125	-		20
Silver, Total	ND	4.19	3.98	95		-	-		75-125	-		20
Sodium, Total	368	839	1120	90		-	-		75-125	-		20
Thallium, Total	1.15J	10.1	10.0	99		-	-		75-125	-		20
Vanadium, Total	40.2	41.9	72.4	77		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

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): 01-11 QC Batch ID: WG1958663-3 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)										
Zinc, Total	43.9	41.9	67.2	**56**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1958667-3 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)										
Mercury, Total	ND	1.39	1.35	97		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

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): 12 QC Batch ID: WG1959027-3 QC Sample: L2445825-01 Client ID: MS Sample										
Aluminum, Total	428	166	627	120		-	-	75-125	-	20
Antimony, Total	ND	41.4	43.2	104		-	-	75-125	-	20
Arsenic, Total	0.416J	9.94	10.5	106		-	-	75-125	-	20
Barium, Total	1.05	166	178	107		-	-	75-125	-	20
Beryllium, Total	ND	4.14	4.42	107		-	-	75-125	-	20
Cadmium, Total	ND	4.39	4.44	101		-	-	75-125	-	20
Calcium, Total	62.7	828	930	105		-	-	75-125	-	20
Chromium, Total	0.727J	16.6	17.6	106		-	-	75-125	-	20
Cobalt, Total	0.328J	41.4	42.7	103		-	-	75-125	-	20
Copper, Total	0.717J	20.7	22.0	106		-	-	75-125	-	20
Iron, Total	705	82.8	764	**71**	Q	-	-	75-125	-	20
Lead, Total	0.690J	43.9	46.0	105		-	-	75-125	-	20
Magnesium, Total	77.9	828	910	100		-	-	75-125	-	20
Manganese, Total	13.3	41.4	59.2	111		-	-	75-125	-	20
Nickel, Total	0.478J	41.4	42.5	102		-	-	75-125	-	20
Potassium, Total	46.7J	828	917	111		-	-	75-125	-	20
Selenium, Total	ND	9.94	10.1	102		-	-	75-125	-	20
Silver, Total	ND	4.14	4.33	104		-	-	75-125	-	20
Sodium, Total	8.96J	828	888	107		-	-	75-125	-	20
Thallium, Total	ND	9.94	10.1	102		-	-	75-125	-	20
Vanadium, Total	1.86	41.4	43.6	101		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

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): 12 QC Batch ID: WG1959027-3 QC Sample: L2445825-01 Client ID: MS Sample									
Zinc, Total	1.72J	41.4	44.4	107	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1959029-3 QC Sample: L2444501-01 Client ID: MS Sample									
Mercury, Total	ND	1.4	1.38	99	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1958663-4 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)						
Aluminum, Total	14600	10200	mg/kg	**35**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	3.18	2.55	mg/kg	**22**	Q	20
Barium, Total	69.3	49.1	mg/kg	**34**	Q	20
Beryllium, Total	0.554J	0.439J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	30200	103000	mg/kg	**109**	Q	20
Chromium, Total	27.4	17.7	mg/kg	**43**	Q	20
Cobalt, Total	9.06	5.71	mg/kg	**45**	Q	20
Copper, Total	18.4	11.4	mg/kg	**47**	Q	20
Iron, Total	22000	15600	mg/kg	**34**	Q	20
Lead, Total	7.09J	6.04J	mg/kg	NC		20
Magnesium, Total	23100	65200	mg/kg	**95**	Q	20
Manganese, Total	486	423	mg/kg	14		20
Nickel, Total	22.6	13.8	mg/kg	**48**	Q	20
Potassium, Total	1360	984	mg/kg	**32**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	368	266J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1958663-4 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)						
Thallium, Total	1.15J	0.668J	mg/kg	NC		20
Vanadium, Total	40.2	27.0	mg/kg	**39**	Q	20
Zinc, Total	43.9	27.5	mg/kg	**46**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1958667-4 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1959027-4 QC Sample: L2445825-01 Client ID: DUP Sample						
Arsenic, Total	0.416J	0.569J	mg/kg	NC		20
Barium, Total	1.05	1.05	mg/kg	0		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	0.727J	1.08	mg/kg	NC		20
Lead, Total	0.690J	0.601J	mg/kg	NC		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1959029-4 QC Sample: L2444501-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2445515
Report Date: 08/26/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1958663-6 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)						
Aluminum, Total	14600	15600	mg/kg	7		20
Barium, Total	69.3	73.5	mg/kg	6		20
Calcium, Total	30200	33300	mg/kg	10		20
Iron, Total	22000	24800	mg/kg	13		20
Magnesium, Total	23100	25500	mg/kg	10		20
Manganese, Total	486	535	mg/kg	10		20

INORGANICS
&
MISCELLANEOUS

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-01
Client ID: SB-01 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 09:00
Date Received: 08/12/24
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	91.5		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/14/24 11:40	08/15/24 12:41	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-02
Client ID: SB-02 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 10:30
Date Received: 08/12/24
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	90.6		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/14/24 11:40	08/15/24 12:46	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-03
Client ID: SB-03 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 10:00
Date Received: 08/12/24
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	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	0.33	J	mg/kg	1.1	0.22	1	08/14/24 11:40	08/15/24 12:47	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-04
Client ID: SB-04 (0.5-1)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 11:00
Date Received: 08/12/24
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	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/14/24 11:40	08/15/24 12:48	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-05
Client ID: SB-05 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 11:20
Date Received: 08/12/24
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	88.1		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/14/24 11:40	08/15/24 12:49	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-06
Client ID: SB-06 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 11:45
Date Received: 08/12/24
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	90.9		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/14/24 11:40	08/15/24 13:13	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-07
Client ID: SB-07 (8.5-9)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 12:00
Date Received: 08/12/24
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	87.6		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/14/24 11:40	08/15/24 12:51	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-08
Client ID: SB-08 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 13:15
Date Received: 08/12/24
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	89.2		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/14/24 11:40	08/15/24 12:52	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-09
Client ID: SB-09 (3.5-4)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 14:00
Date Received: 08/12/24
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	92.4		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/14/24 11:40	08/15/24 12:53	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-10
Client ID: SB-10 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 13:30
Date Received: 08/12/24
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	90.5		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/14/24 11:40	08/15/24 12:56	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
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SAMPLE RESULTS

Lab ID: L2445515-11
Client ID: SB-13 (2.5-3)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/12/24 14:30
Date Received: 08/12/24
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	89.2		%	0.100	NA	1	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/14/24 11:40	08/15/24 12:57	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445515
Report Date: 08/26/24

SAMPLE RESULTS

Lab ID: L2445515-12
Client ID: SB-14 (2-2.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Sample Depth:
Matrix: Soil
Date Collected: 08/12/24 14:15
Date Received: 08/12/24
Field Prep: Not Specified

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	-	08/13/24 12:17	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/14/24 11:40	08/15/24 12:58	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
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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): 01-12 Batch: WG1959165-1										
Cyanide, Total	ND		mg/kg	0.86	0.18	1	08/14/24 11:40	08/15/24 12:37	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 Batch: WG1959165-2 WG1959165-3								
Cyanide, Total	**78**	Q	93		80-120	22		35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

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): 01-12 QC Batch ID: WG1959165-4 WG1959165-5 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)												
Cyanide, Total	ND	10	6.3	**60**	Q	12	110		75-125	**59**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1959165-6 WG1959165-7 QC Sample: L2445541-01 Client ID: MS Sample												
Cyanide, Total	ND	10	10	100		11	110		75-125	10		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445515

Report Date: 08/26/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1958611-1 QC Sample: L2445515-01 Client ID: SB-01 (1-1.5)						
Solids, Total	91.5	91.8	%	0		20

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2445515-01A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-01B	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-01C	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-01D	Plastic 2oz unpreserved for TS	B	NA		3.1	Y	Absent		TS(7)
L2445515-01E	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2445515-01F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2445515-01G	Plastic 8oz unpreserved	B	NA		3.1	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2445515-01H	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-02A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-02B	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-02C	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-02D	Plastic 120ml unpreserved	A	NA		2.1	Y	Absent		TS(7)
L2445515-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2445515-02F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-03A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-03B	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2445515-03C	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-03D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2445515-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2445515-03F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-04A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-04B	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-04C	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-04D	Plastic 120ml unpreserved	A	NA		2.1	Y	Absent		TS(7)
L2445515-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2445515-04F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-05A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-05B	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-05C	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-05D	Plastic 120ml unpreserved	A	NA		2.1	Y	Absent		TS(7)
L2445515-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	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),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2445515-05F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-06A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-06B	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-06C	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-06D	Plastic 120ml unpreserved	A	NA		2.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2445515-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-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),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2445515-06F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-07A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-07B	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-07C	Vial water preserved	A	NA		2.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-07D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L2445515-07E	Plastic 120ml unpreserved	A	NA		2.1	Y	Absent		TS(7)
L2445515-07F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2445515-07G	Plastic 8oz unpreserved	A	NA		2.1	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2445515-07H	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-08A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-08B	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-08C	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-08D	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2445515-08E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2445515-08F	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-09A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-09B	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-09C	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-09D	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2445515-09E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	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),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2445515-09F	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-10A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-10B	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-10C	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-10D	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2445515-10E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2445515-10F	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-11A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-11B	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-11C	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-11D	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2445515-11E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2445515-11F	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2445515-12A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2445515-12B	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-12C	Vial water preserved	B	NA		3.1	Y	Absent	13-AUG-24 09:16	NYTCL-8260HLW(14)
L2445515-12D	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2445515-12E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2445515-12F	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: RIVER AVE BRONX, NY
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Report Date: 08/26/24

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: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445515
Report Date: 08/26/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445515
Project Number:	13740:2	**Report Date:**	08/26/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445515
Project Number:	13740:2	**Report Date:**	08/26/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445515
Project Number:	13740:2	**Report Date:**	08/26/24

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.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	RIVER AVE BRONX, NY	**Lab Number:**	L2445515
Project Number:	13740:2	**Report Date:**	08/26/24

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.

Serial_No:08262415:09

L2445515 19AUG24

SESI

NEW YORK CHAIN OF CUSTODY

Page 1 of 2

Date Rec'd in Lab: 8/13/24

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

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

Client Information
Client: SESI
Address: 959 US-46 F13 S300
Parsippany, NJ 07054
Phone: 973 808 9060
Fax:
Email: Sheng.long@sesi.org

Project Information
Project Name: River Ave Bronx, NY
Project Location: 1140 River Ave Bronx, NY
Project #: 13740:2
(Use Project name as Project #)
Project Manager: Sheng Long
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days: 5

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.

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)	Total Bottle	Sample Specific Comments
45515-01	SB-01 (1-1.5)	8/12/24	900	Soil	CB	✓	✓		
-02	SB-02 (2-2.5)		1030		CB	✓			
-03	SB-03 (2.5-3)		1000		CB	✓			
-04	SB-04 (0.5-1)		1100		CB	✓			
-05	SB-05 (1-1.5)		1120		CB	✓			
-06	SB-06 (1-1.5)		1145		CB	✓			
-07	SB-07 (8.5-9)		1200		CB	✓	✓		
-08	SB-08 (1.5-2)		1315		CB	✓			
-09	SB-09 (3.5-4)		1400		CB	✓			
-10	SB-10 (3-3.5)	↓	1330	↓	CB	✓			

Container Type: A, P
Preservative: None, Ammonium

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
	08/12/24	WIFI (Pace)	8/12/24 1600
WIFI (Pace) MS MA (ALL)	8/12/24 1829	MS MA (ALL)	8/13/24 1405
			8/13/24 2300
	8/13/24 0200		8/13/24 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)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page: 2 of 2

Date Rec'd in Lab: 8/13/24

ALPHA Job #:

Client Information
Client: SESI
Address: 959 US46 F135300
Parsippany NJ 07054
Phone: 8 973 808 9050
Fax:
Email: Sheng.Long@sesi.org

Project Information
Project Name: River Ave Bronx, NY
Project Location: 1140 River Ave Bronx, NY
Project #: 13740:2
(Use Project name as Project #) ☐
Project Manager: Sheng Long
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days: 5

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.

ANALYSIS

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

Total Bottle

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL+30 TAL
45515-11	SB-13 (2.5-3)	8/12/24	1430	Soil	CB	✓
12	SB-14 (2-2.5)	↓	1415	↓	CB	✓

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/V
Preservative: HCl

Relinquished By:	Date/Time	Received By:	Date/Time
	08/12/24	WF1 (Pace)	8/12/24 1600
WF1 (Pace) MSMA(AN)	8/12/24 1829	MSMA(AN)	8/12/24 1900
	8/13/24 0200		8/12/24 2300
			8/13/24 02:00

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:	L2445869
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	Sheng Long
Phone:	(973) 808-9050
Project Name:	RIVER AVE BRONX, NY
Project Number:	13740:2
Report Date:	08/27/24

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

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

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

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2445869-01	SB-11 (1.5-2)	SOIL	1140 RIVER AVE BRONX, NY	08/13/24 07:15	08/13/24
L2445869-02	SB-12 (1-1.5)	SOIL	1140 RIVER AVE BRONX, NY	08/13/24 07:45	08/13/24
L2445869-03	SB-15 (3-3.5)	SOIL	1140 RIVER AVE BRONX, NY	08/13/24 07:30	08/13/24
L2445869-04	SB-06 (9-9.5)	SOIL	1140 RIVER AVE BRONX, NY	08/13/24 08:00	08/13/24
L2445869-05	TW-1	WATER	1140 RIVER AVE BRONX, NY	08/13/24 11:30	08/13/24
L2445869-06	TW-2	WATER	1140 RIVER AVE BRONX, NY	08/13/24 14:00	08/13/24

Project Name:	RIVER AVE BRONX, NY	**Lab Number:**	L2445869
Project Number:	13740:2	**Report Date:**	08/27/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445869
Project Number:	13740:2	**Report Date:**	08/27/24

Case Narrative (continued)

Report Submission

August 27, 2024: This final report includes the results of all requested analyses.

August 20, 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

L2445869-02: Sample containers for PFAAs via EPA 1633 were received, but not listed on the chain of custody. At the client's request, the analysis was performed.

Semivolatile Organics

The WG1960416-3 LCSD recovery, associated with L2445869-05 and -06, is 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.

The WG1960612-2/-3 LCS/LCSD recoveries, associated with L2445869-01 through -03, are below the acceptance criteria for 2,4-dinitrophenol (LCSD 1%), 4,6-dinitro-o-cresol (7%/3%), and benzoic acid (LCSD 8%); however, they have been identified as "difficult" analytes. The results of the associated samples are reported.

Total Metals

L2445869-01 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.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 08/27/24

ORGANICS

VOLATILES

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01
Client ID: SB-11 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:15
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/18/24 22:06
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	4.5	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01 Date Collected: 08/13/24 07:15

Client ID: SB-11 (1.5-2) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	ND		ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01 Date Collected: 08/13/24 07:15

Client ID: SB-11 (1.5-2) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.90	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	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	100		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02
Client ID: SB-12 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:45
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/18/24 22:32
Analyst: JIC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.47	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02 Date Collected: 08/13/24 07:45

Client ID: SB-12 (1-1.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
Xylenes, Total	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.86	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.79	1
Acetone	ND		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
Vinyl acetate	ND		ug/kg	8.6	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
Acrylonitrile	ND		ug/kg	3.4	0.99	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02 Date Collected: 08/13/24 07:45

Client ID: SB-12 (1-1.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.86	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	69	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	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	101		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	106		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03
Client ID: SB-15 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/18/24 22:58
Analyst: JIC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03 Date Collected: 08/13/24 07:30

Client ID: SB-15 (3-3.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	ND		ug/kg	9.3	4.4	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.0	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.15	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03 Date Collected: 08/13/24 07:30

Client ID: SB-15 (3-3.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	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	101		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	108		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 11:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/16/24 16:19
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	22		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	1.7		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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05 Date Collected: 08/13/24 11:30

Client ID: TW-1 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, NY 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	1.6	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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05 Date Collected: 08/13/24 11:30

Client ID: TW-1 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, NY 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	1.33	J	ug/l			1
Unknown	1.33	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 14:00
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/16/24 16:43
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	27		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	2.0		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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06 Date Collected: 08/13/24 14:00

Client ID: TW-2 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, NY 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	1.8	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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06 Date Collected: 08/13/24 14:00

Client ID: TW-2 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, NY 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	1.23	J	ug/l			1
Unknown	1.23	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	108		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/16/24 08:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1960231-5					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/16/24 08:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1960231-5					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/16/24 08:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1960231-5					
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	1.27	J	ug/l
Unknown	1.27	J	ug/l

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/16/24 08:24
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1960231-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/18/24 14:45
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1960861-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.74	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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/18/24 14:45
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1960861-5					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/18/24 14:45
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1960861-5					
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					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/18/24 14:45
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1960861-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1960231-3 WG1960231-4								
Methylene chloride	90		88		70-130	2		20
1,1-Dichloroethane	100		96		70-130	4		20
Chloroform	95		91		70-130	4		20
Carbon tetrachloride	98		89		63-132	10		20
1,2-Dichloropropane	98		97		70-130	1		20
Dibromochloromethane	93		93		63-130	0		20
1,1,2-Trichloroethane	91		96		70-130	5		20
Tetrachloroethene	100		95		70-130	5		20
Chlorobenzene	96		94		75-130	2		20
Trichlorofluoromethane	92		84		62-150	9		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	96		88		67-130	9		20
Bromodichloromethane	92		92		67-130	0		20
trans-1,3-Dichloropropene	90		93		70-130	3		20
cis-1,3-Dichloropropene	88		89		70-130	1		20
1,1-Dichloropropene	97		90		70-130	7		20
Bromoform	85		88		54-136	3		20
1,1,2,2-Tetrachloroethane	94		100		67-130	6		20
Benzene	97		93		70-130	4		20
Toluene	96		91		70-130	5		20
Ethylbenzene	94		90		70-130	4		20
Chloromethane	95		90		64-130	5		20
Bromomethane	65		62		39-139	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1960231-3 WG1960231-4								
Vinyl chloride	100		94		55-140	6		20
Chloroethane	100		120		55-138	18		20
1,1-Dichloroethene	96		87		61-145	10		20
trans-1,2-Dichloroethene	93		92		70-130	1		20
Trichloroethene	92		85		70-130	8		20
1,2-Dichlorobenzene	99		95		70-130	4		20
1,3-Dichlorobenzene	99		95		70-130	4		20
1,4-Dichlorobenzene	99		94		70-130	5		20
Methyl tert butyl ether	81		86		63-130	6		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	92		92		70-130	0		20
Dibromomethane	90		93		70-130	3		20
1,2,3-Trichloropropane	85		91		64-130	7		20
Acrylonitrile	95		100		70-130	5		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	88		75		36-147	16		20
Acetone	73		84		58-148	14		20
Carbon disulfide	100		92		51-130	8		20
2-Butanone	95		100		63-138	5		20
Vinyl acetate	130		**140**	Q	70-130	7		20
4-Methyl-2-pentanone	78		95		59-130	20		20
2-Hexanone	77		94		57-130	20		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1960231-3 WG1960231-4								
Bromochloromethane	94		94		70-130	0		20
2,2-Dichloropropane	100		95		63-133	5		20
1,2-Dibromoethane	88		96		70-130	9		20
1,3-Dichloropropane	94		97		70-130	3		20
1,1,1,2-Tetrachloroethane	94		92		64-130	2		20
Bromobenzene	95		94		70-130	1		20
n-Butylbenzene	97		88		53-136	10		20
sec-Butylbenzene	95		86		70-130	10		20
tert-Butylbenzene	94		87		70-130	8		20
o-Chlorotoluene	93		89		70-130	4		20
p-Chlorotoluene	94		87		70-130	8		20
1,2-Dibromo-3-chloropropane	78		93		41-144	18		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	94		85		70-130	10		20
p-Isopropyltoluene	94		88		70-130	7		20
Naphthalene	**69**	Q	77		70-130	11		20
n-Propylbenzene	95		86		69-130	10		20
1,2,3-Trichlorobenzene	87		92		70-130	6		20
1,2,4-Trichlorobenzene	93		93		70-130	0		20
1,3,5-Trimethylbenzene	94		88		64-130	7		20
1,2,4-Trimethylbenzene	93		87		70-130	7		20
1,4-Dioxane	70		88		56-162	**23**	Q	20
p-Diethylbenzene	94		88		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1960231-3 WG1960231-4								
p-Ethyltoluene	95		88		70-130	8		20
1,2,4,5-Tetramethylbenzene	85		80		70-130	6		20
Ethyl ether	87		91		59-134	4		20
trans-1,4-Dichloro-2-butene	100		110		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		109		70-130
Toluene-d8	100		102		70-130
4-Bromofluorobenzene	92		91		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1960861-3 WG1960861-4								
Methylene chloride	98		99		70-130	1		30
1,1-Dichloroethane	98		96		70-130	2		30
Chloroform	99		100		70-130	1		30
Carbon tetrachloride	101		99		70-130	2		30
1,2-Dichloropropane	94		94		70-130	0		30
Dibromochloromethane	100		101		70-130	1		30
1,1,2-Trichloroethane	95		96		70-130	1		30
Tetrachloroethene	109		107		70-130	2		30
Chlorobenzene	101		100		70-130	1		30
Trichlorofluoromethane	101		103		70-139	2		30
1,2-Dichloroethane	96		97		70-130	1		30
1,1,1-Trichloroethane	106		103		70-130	3		30
Bromodichloromethane	97		97		70-130	0		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	95		96		70-130	1		30
1,1-Dichloropropene	105		102		70-130	3		30
Bromoform	97		101		70-130	4		30
1,1,2,2-Tetrachloroethane	95		99		70-130	4		30
Benzene	97		96		70-130	1		30
Toluene	105		102		70-130	3		30
Ethylbenzene	100		97		70-130	3		30
Chloromethane	106		102		52-130	4		30
Bromomethane	108		123		57-147	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1960861-3 WG1960861-4								
Vinyl chloride	108		104		67-130	4		30
Chloroethane	66		105		50-151	**46**	Q	30
1,1-Dichloroethene	100		98		65-135	2		30
trans-1,2-Dichloroethene	98		97		70-130	1		30
Trichloroethene	98		97		70-130	1		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	104		104		70-130	0		30
1,4-Dichlorobenzene	102		102		70-130	0		30
Methyl tert butyl ether	100		102		66-130	2		30
p/m-Xylene	104		100		70-130	4		30
o-Xylene	102		100		70-130	2		30
cis-1,2-Dichloroethene	95		95		70-130	0		30
Dibromomethane	94		94		70-130	0		30
Styrene	107		105		70-130	2		30
Dichlorodifluoromethane	104		99		30-146	5		30
Acetone	82		77		54-140	6		30
Carbon disulfide	97		95		59-130	2		30
2-Butanone	81		85		70-130	5		30
Vinyl acetate	**133**	Q	**134**	Q	70-130	1		30
4-Methyl-2-pentanone	89		91		70-130	2		30
1,2,3-Trichloropropane	93		95		68-130	2		30
2-Hexanone	90		87		70-130	3		30
Bromochloromethane	96		98		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1960861-3 WG1960861-4								
2,2-Dichloropropane	100		98		70-130	2		30
1,2-Dibromoethane	99		100		70-130	1		30
1,3-Dichloropropane	96		96		69-130	0		30
1,1,1,2-Tetrachloroethane	103		102		70-130	1		30
Bromobenzene	96		98		70-130	2		30
n-Butylbenzene	109		107		70-130	2		30
sec-Butylbenzene	104		102		70-130	2		30
tert-Butylbenzene	100		98		70-130	2		30
o-Chlorotoluene	101		102		70-130	1		30
p-Chlorotoluene	102		101		70-130	1		30
1,2-Dibromo-3-chloropropane	86		95		68-130	10		30
Hexachlorobutadiene	104		103		67-130	1		30
Isopropylbenzene	100		99		70-130	1		30
p-Isopropyltoluene	103		102		70-130	1		30
Naphthalene	88		90		70-130	2		30
Acrylonitrile	104		105		70-130	1		30
n-Propylbenzene	102		100		70-130	2		30
1,2,3-Trichlorobenzene	98		100		70-130	2		30
1,2,4-Trichlorobenzene	104		104		70-130	0		30
1,3,5-Trimethylbenzene	100		99		70-130	1		30
1,2,4-Trimethylbenzene	99		98		70-130	1		30
1,4-Dioxane	80		85		65-136	6		30
p-Diethylbenzene	106		104		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1960861-3 WG1960861-4								
p-Ethyltoluene	101		100		70-130	1		30
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		30
Ethyl ether	103		107		67-130	4		30
trans-1,4-Dichloro-2-butene	108		113		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	98		93		70-130
Dibromofluoromethane	100		103		70-130

SEMIVOLATILES

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01
Client ID: SB-11 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:15
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/19/24 16:30
Analyst: EK
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 18:34

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	33.	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	150		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	120	J	ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	64.	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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01 Date Collected: 08/13/24 07:15

Client ID: SB-11 (1.5-2) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	79	J	ug/kg	110	21.	1
Benzo(a)pyrene	74	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	100	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	38	J	ug/kg	110	30.	1
Chrysene	63	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	67	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	60	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	49	J	ug/kg	150	26.	1
Pyrene	120		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	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01 Date Collected: 08/13/24 07:15

Client ID: SB-11 (1.5-2) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	21	J	ug/kg	28	8.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	87		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02
Client ID: SB-12 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:45
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/19/24 16:48
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 18:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	110		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02 Date Collected: 08/13/24 07:45

Client ID: SB-12 (1-1.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	61	J	ug/kg	110	20.	1
Benzo(a)pyrene	76	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	98	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	34	J	ug/kg	110	29.	1
Chrysene	59	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	63	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	28	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	140	25.	1
Pyrene	100	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02 Date Collected: 08/13/24 07:45

Client ID: SB-12 (1-1.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	93		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02
Client ID: SB-12 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:45
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/23/24 18:01
Analyst: AC
Percent Solids: 91%

Extraction Method: EPA 1633
Extraction Date: 08/21/24 18:45
Cleanup Method: EPA 1633
Cleanup Date: 08/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.760	0.048	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.380	0.053	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.190	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.190	0.044	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.190	0.022	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.190	0.056	1
Perfluorooctanoic Acid (PFOA)	0.091	J	ng/g	0.190	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.760	0.266	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.190	0.035	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.190	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	0.191		ng/g	0.190	0.075	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.190	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.760	0.368	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.190	0.095	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.190	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.190	0.030	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.190	0.041	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.190	0.078	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.190	0.039	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.190	0.050	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.190	0.101	1
PFOA/PFOS, Total	0.282	J	ng/g	0.190	0.049	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02 Date Collected: 08/13/24 07:45

Client ID: SB-12 (1-1.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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)	83		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91		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)	77		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		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)	94		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82		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)	139		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	68		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)	79		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	81		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	45		15-109

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03
Client ID: SB-15 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/19/24 17:06
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 18:34

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	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	290		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	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	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03 Date Collected: 08/13/24 07:30

Client ID: SB-15 (3-3.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	140		ug/kg	110	21.	1
Benzo(a)pyrene	150		ug/kg	150	45.	1
Benzo(b)fluoranthene	200		ug/kg	110	31.	1
Benzo(k)fluoranthene	70	J	ug/kg	110	30.	1
Chrysene	140		ug/kg	110	19.	1
Acenaphthylene	59	J	ug/kg	150	28.	1
Anthracene	50	J	ug/kg	110	36.	1
Benzo(ghi)perylene	130	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	87	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	28	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	150	26.	1
Pyrene	250		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03 Date Collected: 08/13/24 07:30

Client ID: SB-15 (3-3.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	22	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	89		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/17/24 15:24
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05 Date Collected: 08/13/24 11:30

Client ID: TW-1 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	1.5	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	45.8	J	ug/l	1
Unknown	4.50	J	ug/l	1
Unknown	5.10	J	ug/l	1
Unknown	5.20	J	ug/l	1
Unknown	6.80	J	ug/l	1
Unknown	4.40	J	ug/l	1
Unknown	9.10	J	ug/l	1
Unknown	4.80	J	ug/l	1
Unknown	5.90	J	ug/l	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05 Date Collected: 08/13/24 11:30

Client ID: TW-1 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	35		10-120
4-Terphenyl-d14	95		41-149

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/18/24 14:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.14		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	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	0.04	J	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	0.10	J	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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05 Date Collected: 08/13/24 11:30

Client ID: TW-1 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	23		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	89		15-120
2,4,6-Tribromophenol	31		10-120
4-Terphenyl-d14	82		41-149

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/19/24 14:30
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 08/16/24 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	156	35.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	43		15-110

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 08/23/24 09:12
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/22/24 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	5.44	J	ng/l	7.05	1.13	1
Perfluoropentanoic Acid (PFPeA)	15.4		ng/l	3.52	0.942	1
Perfluorobutanesulfonic Acid (PFBS)	2.05		ng/l	1.76	0.590	1
Perfluorohexanoic Acid (PFHxA)	13.6		ng/l	1.76	0.520	1
Perfluoroheptanoic Acid (PFHpA)	4.78		ng/l	1.76	0.352	1
Perfluorohexanesulfonic Acid (PFHxS)	1.47	J	ng/l	1.76	0.423	1
Perfluorooctanoic Acid (PFOA)	29.5		ng/l	1.76	0.766	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	7.05	2.38	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.76	0.476	1
Perfluorononanoic Acid (PFNA)	1.62	J	ng/l	1.76	0.555	1
Perfluorooctanesulfonic Acid (PFOS)	8.94		ng/l	1.76	0.802	1
Perfluorodecanoic Acid (PFDA)	2.27		ng/l	1.76	0.714	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	7.05	2.74	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.76	0.960	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.76	0.766	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.76	0.405	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.76	0.476	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.76	0.951	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.76	0.810	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.76	0.661	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.76	0.467	1
PFOA/PFOS, Total	38.4		ng/l	1.76	0.766	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05 Date Collected: 08/13/24 11:30

Client ID: TW-1 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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)	87		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	106		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)	96		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	94		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	81		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	71		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	84		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)	74		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	84		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	80		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	73		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	68		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	74		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	68		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	59		10-145

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 14:00
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/17/24 15:48
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06 Date Collected: 08/13/24 14:00

Client ID: TW-2 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	ND		ug/l	2.0	0.38	1
Carbazole	ND		ug/l	2.0	0.31	1

Tentatively Identified Compounds						
Total TIC Compounds	17.7	J	ug/l			1
Unknown	4.50	J	ug/l			1
Unknown	4.50	J	ug/l			1
Unknown	4.10	J	ug/l			1
Unknown	4.60	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	34		10-120
4-Terphenyl-d14	88		41-149

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 14:00
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/18/24 15:02
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.02	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.07	J	ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.10		ug/l	0.10	0.02	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.03	J	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	ND		ug/l	0.10	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.02	1
Fluorene	ND		ug/l	0.10	0.03	1
Phenanthrene	0.05	J	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	0.06	J	ug/l	0.10	0.04	1
2-Methylnaphthalene	0.06	J	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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06 Date Collected: 08/13/24 14:00

Client ID: TW-2 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	22		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	29		10-120
4-Terphenyl-d14	77		41-149

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 14:00
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/19/24 14:53
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 08/16/24 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	65.3	J	ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	46		15-110

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 14:00
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 08/23/24 09:25
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/22/24 10:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	6.90	J	ng/l	6.97	1.12	1
Perfluoropentanoic Acid (PFPeA)	13.0		ng/l	3.48	0.932	1
Perfluorobutanesulfonic Acid (PFBS)	3.14		ng/l	1.74	0.584	1
Perfluorohexanoic Acid (PFHxA)	9.27		ng/l	1.74	0.514	1
Perfluoroheptanoic Acid (PFHpA)	4.03		ng/l	1.74	0.348	1
Perfluorohexanesulfonic Acid (PFHxS)	1.43	J	ng/l	1.74	0.418	1
Perfluorooctanoic Acid (PFOA)	23.6		ng/l	1.74	0.758	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.97	2.35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.74	0.470	1
Perfluorononanoic Acid (PFNA)	1.33	J	ng/l	1.74	0.549	1
Perfluorooctanesulfonic Acid (PFOS)	8.86		ng/l	1.74	0.793	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.74	0.706	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.97	2.71	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.74	0.950	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.74	0.758	1
Perfluorodecanesulfonic Acid (PFDS)	0.409	J	ng/l	1.74	0.401	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.74	0.470	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.74	0.941	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.74	0.801	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.74	0.653	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.74	0.462	1
PFOA/PFOS, Total	32.5		ng/l	1.74	0.758	1

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06 Date Collected: 08/13/24 14:00

Client ID: TW-2 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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)	86		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	106		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	92		41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	95		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	93		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	69		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	91		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86		32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	88		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	77		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	80		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	72		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	74		10-145

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/19/24 11:25
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 08/16/24 20:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 05-06 Batch: WG1960336-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	45		15-110

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/17/24 12:39
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1960416-1					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/17/24 12:39
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1960416-1					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/17/24 12:39
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1960416-1					
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			
Total TIC Compounds	201	J	ug/l
Unknown	28.0	J	ug/l
Unknown	12.9	J	ug/l
Unknown	5.00	J	ug/l
Unknown	6.50	J	ug/l
Unknown	26.0	J	ug/l
Unknown	16.9	J	ug/l
Unknown Alcohol	21.3	J	ug/l
Unknown	5.80	J	ug/l
Unknown	12.2	J	ug/l
Unknown	24.9	J	ug/l

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/17/24 12:39
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1960416-1					
Tentatively Identified Compounds					
Unknown	24.6	J	ug/l		
Unknown Organic Acid	7.30	J	ug/l		
Unknown	4.80	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	92		41-149

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/18/24 11:47
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-06 Batch: WG1960417-1					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/18/24 11:47
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05-06 Batch: WG1960417-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	86		41-149

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/19/24 16:12
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/17/24 18:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1960612-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	57.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/19/24 16:12
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/17/24 18:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1960612-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/19/24 16:12
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/17/24 18:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1960612-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	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	60		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	88		18-120

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/22/24 20:16
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/21/24 18:45
Cleanup Method: EPA 1633
Cleanup Date: 08/22/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02 Batch: WG1962178-1					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/22/24 20:16
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/21/24 18:45
Cleanup Method: EPA 1633
Cleanup Date: 08/22/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02 Batch: WG1962178-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	103		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97		48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	88		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)	92		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		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)	86		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	93		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	105		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		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)	91		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	87		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	93		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	61		15-109

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/23/24 07:42
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/22/24 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 05-06 Batch: WG1962491-1					
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/23/24 07:42
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/22/24 10:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 05-06 Batch: WG1962491-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	100		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84		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)	87		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	79		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	67		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89		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)	94		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	80		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	81		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	83		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	68		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	69		10-145

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 05-06		Batch: WG1960336-2		WG1960336-3			
1,4-Dioxane	107		107		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	40		48		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1960416-2 WG1960416-3								
Acenaphthene	78		90		37-111	14		30
1,2,4-Trichlorobenzene	69		82		39-98	17		30
Hexachlorobenzene	83		89		40-140	7		30
Bis(2-chloroethyl)ether	76		93		40-140	20		30
2-Chloronaphthalene	74		85		40-140	14		30
1,2-Dichlorobenzene	66		78		40-140	17		30
1,3-Dichlorobenzene	70		76		40-140	8		30
1,4-Dichlorobenzene	70		84		36-97	18		30
3,3'-Dichlorobenzidine	80		92		40-140	14		30
2,4-Dinitrotoluene	72		79		48-143	9		30
2,6-Dinitrotoluene	73		87		40-140	18		30
Fluoranthene	80		91		40-140	13		30
4-Chlorophenyl phenyl ether	80		89		40-140	11		30
4-Bromophenyl phenyl ether	80		85		40-140	6		30
Bis(2-chloroisopropyl)ether	60		71		40-140	17		30
Bis(2-chloroethoxy)methane	73		85		40-140	15		30
Hexachlorobutadiene	68		80		40-140	16		30
Hexachlorocyclopentadiene	45		48		40-140	6		30
Hexachloroethane	65		80		40-140	21		30
Isophorone	78		96		40-140	21		30
Naphthalene	68		82		40-140	19		30
Nitrobenzene	76		93		40-140	20		30
NDPA/DPA	76		90		40-140	17		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1960416-2 WG1960416-3								
n-Nitrosodi-n-propylamine	72		91		29-132	23		30
Bis(2-ethylhexyl)phthalate	83		94		40-140	12		30
Butyl benzyl phthalate	78		91		40-140	15		30
Di-n-butylphthalate	87		97		40-140	11		30
Di-n-octylphthalate	86		98		40-140	13		30
Diethyl phthalate	91		89		40-140	2		30
Dimethyl phthalate	82		91		40-140	10		30
Benzo(a)anthracene	77		86		40-140	11		30
Benzo(a)pyrene	86		100		40-140	15		30
Benzo(b)fluoranthene	80		92		40-140	14		30
Benzo(k)fluoranthene	82		96		40-140	16		30
Chrysene	76		84		40-140	10		30
Acenaphthylene	70		80		45-123	13		30
Anthracene	84		96		40-140	13		30
Benzo(ghi)perylene	101		114		40-140	12		30
Fluorene	73		81		40-140	10		30
Phenanthrene	81		93		40-140	14		30
Dibenzo(a,h)anthracene	98		114		40-140	15		30
Indeno(1,2,3-cd)pyrene	100		114		40-140	13		30
Pyrene	79		91		26-127	14		30
Biphenyl	70		80		40-140	13		30
4-Chloroaniline	64		78		40-140	20		30
2-Nitroaniline	73		84		52-143	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1960416-2 WG1960416-3								
3-Nitroaniline	77		80		25-145	4		30
4-Nitroaniline	75		86		51-143	14		30
Dibenzofuran	75		81		40-140	8		30
2-Methylnaphthalene	69		81		40-140	16		30
1,2,4,5-Tetrachlorobenzene	63		78		2-134	21		30
Acetophenone	77		89		39-129	14		30
2,4,6-Trichlorophenol	73		86		30-130	16		30
p-Chloro-m-cresol	83		**100**	Q	23-97	19		30
2-Chlorophenol	68		90		27-123	28		30
2,4-Dichlorophenol	74		93		30-130	23		30
2,4-Dimethylphenol	78		89		30-130	13		30
2-Nitrophenol	78		95		30-130	20		30
4-Nitrophenol	45		58		10-80	25		30
2,4-Dinitrophenol	48		62		20-130	25		30
4,6-Dinitro-o-cresol	69		84		20-164	20		30
Pentachlorophenol	62		84		9-103	30		30
Phenol	42		52		12-110	21		30
2-Methylphenol	79		84		30-130	6		30
3-Methylphenol/4-Methylphenol	70		85		30-130	19		30
2,4,5-Trichlorophenol	80		94		30-130	16		30
Benzoic Acid	25		**0**	Q	10-164	NC		30
Benzyl Alcohol	76		87		26-116	13		30
Carbazole	78		90		55-144	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG1960416-2 WG1960416-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		72		21-120
Phenol-d6	37		53		10-120
Nitrobenzene-d5	80		88		23-120
2-Fluorobiphenyl	69		78		15-120
2,4,6-Tribromophenol	74		97		10-120
4-Terphenyl-d14	76		92		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-06 Batch: WG1960417-2 WG1960417-3								
Acenaphthene	77		81		40-140	5		40
2-Chloronaphthalene	71		76		40-140	7		40
Fluoranthene	86		90		40-140	5		40
Hexachlorobutadiene	65		70		40-140	7		40
Naphthalene	65		69		40-140	6		40
Benzo(a)anthracene	85		90		40-140	6		40
Benzo(a)pyrene	101		105		40-140	4		40
Benzo(b)fluoranthene	97		105		40-140	8		40
Benzo(k)fluoranthene	95		96		40-140	1		40
Chrysene	82		87		40-140	6		40
Acenaphthylene	80		87		40-140	8		40
Anthracene	90		92		40-140	2		40
Benzo(ghi)perylene	92		98		40-140	6		40
Fluorene	78		83		40-140	6		40
Phenanthrene	84		89		40-140	6		40
Dibenzo(a,h)anthracene	104		108		40-140	4		40
Indeno(1,2,3-cd)pyrene	106		111		40-140	5		40
Pyrene	84		88		40-140	5		40
2-Methylnaphthalene	71		77		40-140	8		40
Pentachlorophenol	90		105		40-140	15		40
Hexachlorobenzene	89		94		40-140	5		40
Hexachloroethane	65		70		40-140	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 05-06 Batch: WG1960417-2 WG1960417-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		59		21-120
Phenol-d6	41		47		10-120
Nitrobenzene-d5	85		91		23-120
2-Fluorobiphenyl	73		77		15-120
2,4,6-Tribromophenol	95		107		10-120
4-Terphenyl-d14	75		81		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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: WG1960612-2 WG1960612-3								
Acenaphthene	73		75		31-137	3		50
1,2,4-Trichlorobenzene	67		68		38-107	1		50
Hexachlorobenzene	73		73		40-140	0		50
Bis(2-chloroethyl)ether	67		68		40-140	1		50
2-Chloronaphthalene	65		69		40-140	6		50
1,2-Dichlorobenzene	69		69		40-140	0		50
1,3-Dichlorobenzene	69		68		40-140	1		50
1,4-Dichlorobenzene	71		70		28-104	1		50
3,3'-Dichlorobenzidine	64		65		40-140	2		50
2,4-Dinitrotoluene	55		53		40-132	4		50
2,6-Dinitrotoluene	52		54		40-140	4		50
Fluoranthene	79		83		40-140	5		50
4-Chlorophenyl phenyl ether	73		74		40-140	1		50
4-Bromophenyl phenyl ether	72		71		40-140	1		50
Bis(2-chloroisopropyl)ether	48		45		40-140	6		50
Bis(2-chloroethoxy)methane	67		68		40-117	1		50
Hexachlorobutadiene	77		84		40-140	9		50
Hexachlorocyclopentadiene	**18**	Q	**19**	Q	40-140	5		50
Hexachloroethane	59		56		40-140	5		50
Isophorone	64		64		40-140	0		50
Naphthalene	69		74		40-140	7		50
Nitrobenzene	61		60		40-140	2		50
NDPA/DPA	69		68		36-157	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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: WG1960612-2 WG1960612-3								
n-Nitrosodi-n-propylamine	62		64		32-121	3		50
Bis(2-ethylhexyl)phthalate	65		62		40-140	5		50
Butyl benzyl phthalate	79		77		40-140	3		50
Di-n-butylphthalate	73		76		40-140	4		50
Di-n-octylphthalate	61		66		40-140	8		50
Diethyl phthalate	72		74		40-140	3		50
Dimethyl phthalate	66		68		40-140	3		50
Benzo(a)anthracene	70		70		40-140	0		50
Benzo(a)pyrene	71		73		40-140	3		50
Benzo(b)fluoranthene	68		68		40-140	0		50
Benzo(k)fluoranthene	68		73		40-140	7		50
Chrysene	70		70		40-140	0		50
Acenaphthylene	63		65		40-140	3		50
Anthracene	78		79		40-140	1		50
Benzo(ghi)perylene	87		81		40-140	7		50
Fluorene	70		70		40-140	0		50
Phenanthrene	75		76		40-140	1		50
Dibenzo(a,h)anthracene	88		85		40-140	3		50
Indeno(1,2,3-cd)pyrene	87		83		40-140	5		50
Pyrene	82		83		35-142	1		50
Biphenyl	67		71		37-127	6		50
4-Chloroaniline	45		**39**	Q	40-140	14		50
2-Nitroaniline	68		68		47-134	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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: WG1960612-2 WG1960612-3								
3-Nitroaniline	76		76		26-129	0		50
4-Nitroaniline	80		78		41-125	3		50
Dibenzofuran	72		74		40-140	3		50
2-Methylnaphthalene	68		74		40-140	8		50
1,2,4,5-Tetrachlorobenzene	69		72		40-117	4		50
Acetophenone	67		69		14-144	3		50
2,4,6-Trichlorophenol	63		64		30-130	2		50
p-Chloro-m-cresol	66		66		26-103	0		50
2-Chlorophenol	67		68		25-102	1		50
2,4-Dichlorophenol	63		61		30-130	3		50
2,4-Dimethylphenol	54		53		30-130	2		50
2-Nitrophenol	46		44		30-130	4		50
4-Nitrophenol	54		49		11-114	10		50
2,4-Dinitrophenol	4		**1**	Q	4-130	**100**	Q	50
4,6-Dinitro-o-cresol	**7**	Q	**3**	Q	10-130	**72**	Q	50
Pentachlorophenol	74		68		17-109	8		50
Phenol	66		67		26-90	2		50
2-Methylphenol	64		65		30-130.	2		50
3-Methylphenol/4-Methylphenol	67		67		30-130	0		50
2,4,5-Trichlorophenol	62		62		30-130	0		50
Benzoic Acid	10		**8**	Q	10-110	26		50
Benzyl Alcohol	67		67		40-140	0		50
Carbazole	76		78		54-128	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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: WG1960612-2 WG1960612-3								
1,4-Dioxane	54		51		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		68		25-120
Phenol-d6	64		66		10-120
Nitrobenzene-d5	57		58		23-120
2-Fluorobiphenyl	63		68		30-120
2,4,6-Tribromophenol	71		67		10-136
4-Terphenyl-d14	75		76		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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): 02 Batch: WG1962178-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	121		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	124		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	128		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	124		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	121		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	118		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	109		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	143		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	123		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	132		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	128		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	140		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	117		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	133		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	118		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	89		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	124		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

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): 02 Batch: WG1962178-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77				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)	80				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77				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)	74				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	72				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)	83				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	83				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	60				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)	79				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	52				15-109

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02 Batch: WG1962178-3								
Perfluorobutanoic Acid (PFBA)	125		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	130		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	121		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	136		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	132		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	120		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	133		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	130		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	122		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	124		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	124		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	135		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	138		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	126		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	121		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	119		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	127		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	106		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	96		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	123		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02 Batch: WG1962178-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	90				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)	77				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)	84				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80				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)	84				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)	64				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	80				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	84				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	88				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	53				15-109

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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): 05-06 Batch: WG1962491-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	108		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	114		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	121		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	113		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	117		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	115		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	128		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	93		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	104		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	105		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	100		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	110		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	99		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	103		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

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): 05-06 Batch: WG1962491-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	88				41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	106				29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97				41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	95				40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	93				27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87				46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	87				39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	74				10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83				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)	80				10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74				16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85				14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75				10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	72				10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				10-145

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05-06 Batch: WG1962491-3								
Perfluorobutanoic Acid (PFBA)	100		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	100		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	102		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	94		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	92		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	104		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	96		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	93		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	102		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	104		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	102		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	99		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	106		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	96		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	101		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05-06 Batch: WG1962491-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	106				29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	99				41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92				40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	87				27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	88				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)	72				10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	88				38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86				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)	87				10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84				10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83				16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	86				14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	81				10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79				10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	79				10-145

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1962491-4 WG1962491-5 QC Sample: L2445869-06 Client ID: TW-2

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorobutanoic Acid (PFBA)	6.90J	84.4	88.7	97		86.4	97		40-150	3		30
Perfluoropentanoic Acid (PFPeA)	13.0	42.2	55.1	100		52.4	97		40-150	5		30
Perfluorobutanesulfonic Acid (PFBS)	3.14	18.7	20.6	93		19.0	88		40-150	8		30
Perfluorohexanoic Acid (PFHxA)	9.27	21.1	28.9	93		28.2	93		40-150	2		30
Perfluoroheptanoic Acid (PFHpA)	4.03	21.1	22.7	88		22.1	89		40-150	3		30
Perfluorohexanesulfonic Acid (PFHxS)	1.43J	19.3	19.7	95		18.2	90		40-150	8		30
Perfluorooctanoic Acid (PFOA)	23.6	21.1	45.6	104		41.4	87		40-150	10		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	80.2	78.7	98		77.1	99		40-150	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	20.1	17.5	87		18.7	96		40-150	7		30
Perfluorononanoic Acid (PFNA)	1.33J	21.1	18.2	80		19.5	89		40-150	7		30
Perfluorooctanesulfonic Acid (PFOS)	8.86	19.6	25.2	84		24.2	81		40-150	4		30
Perfluorodecanoic Acid (PFDA)	ND	21.1	19.5	92		20.2	99		40-150	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	81	80.6	100		78.8	101		40-150	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	21.1	15.7	74		17.7	87		40-150	12		30
Perfluoroundecanoic Acid (PFUnA)	ND	21.1	20.1	95		20.6	101		40-150	2		30
Perfluorodecanesulfonic Acid (PFDS)	0.409J	20.4	17.3	83		17.9	89		40-150	3		30
Perfluorooctanesulfonamide (PFOSA)	ND	21.1	18.2	86		17.9	88		40-150	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	21.1	17.2	82		19.4	95		40-150	12		30
Perfluorododecanoic Acid (PFDoA)	ND	21.1	18.9	90		20.1	98		40-150	6		30
Perfluorotridecanoic Acid (PFTrDA)	ND	21.1	18.0	85		19.3	95		40-150	7		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	21.1	18.7	89		20.2	99		40-150	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1962491-4 WG1962491-5 QC Sample: L2445869-06 Client ID: TW-2

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	85		130		10-213
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75		78		10-261
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85		98		10-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	96		101		10-172
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87		88		46-115
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	82		95		14-108
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	88		90		32-114
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	94		96		41-125
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75		88		16-123
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	83		87		28-115
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91		91		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		90		27-156
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	72		85		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72		88		10-145
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90		93		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	103		100		29-123
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80		87		39-121
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	84		93		38-114

PCBS

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01
Client ID: SB-11 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:15
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/19/24 10:45
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 17:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.5	4.75	1	A
Aroclor 1221	ND		ug/kg	53.5	5.36	1	A
Aroclor 1232	ND		ug/kg	53.5	11.3	1	A
Aroclor 1242	ND		ug/kg	53.5	7.21	1	A
Aroclor 1248	ND		ug/kg	53.5	8.02	1	A
Aroclor 1254	ND		ug/kg	53.5	5.85	1	A
Aroclor 1260	ND		ug/kg	53.5	9.88	1	B
Aroclor 1262	ND		ug/kg	53.5	6.79	1	A
Aroclor 1268	ND		ug/kg	53.5	5.54	1	A
PCBs, Total	ND		ug/kg	53.5	4.75	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02
Client ID: SB-12 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:45
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/19/24 10:53
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 17:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.3	4.46	1	A
Aroclor 1221	ND		ug/kg	50.3	5.04	1	A
Aroclor 1232	ND		ug/kg	50.3	10.6	1	A
Aroclor 1242	ND		ug/kg	50.3	6.78	1	A
Aroclor 1248	ND		ug/kg	50.3	7.54	1	A
Aroclor 1254	ND		ug/kg	50.3	5.50	1	A
Aroclor 1260	ND		ug/kg	50.3	9.29	1	A
Aroclor 1262	ND		ug/kg	50.3	6.38	1	A
Aroclor 1268	ND		ug/kg	50.3	5.21	1	A
PCBs, Total	ND		ug/kg	50.3	4.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03
Client ID: SB-15 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/19/24 11:02
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 17:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.5	4.84	1	A
Aroclor 1221	ND		ug/kg	54.5	5.46	1	A
Aroclor 1232	ND		ug/kg	54.5	11.5	1	A
Aroclor 1242	ND		ug/kg	54.5	7.34	1	A
Aroclor 1248	ND		ug/kg	54.5	8.17	1	A
Aroclor 1254	ND		ug/kg	54.5	5.96	1	A
Aroclor 1260	ND		ug/kg	54.5	10.1	1	B
Aroclor 1262	ND		ug/kg	54.5	6.92	1	A
Aroclor 1268	ND		ug/kg	54.5	5.64	1	A
PCBs, Total	ND		ug/kg	54.5	4.84	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/20/24 11:45
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 08/19/24 17:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/24

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	71		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 14:00
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/20/24 11:54
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 08/19/24 17:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/24

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	66		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/18/24 14:04
Analyst: EMR

Extraction Method: EPA 3546
Extraction Date: 08/16/24 23:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/17/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1960410-1						
Aroclor 1016	ND		ug/kg	46.8	4.15	A
Aroclor 1221	ND		ug/kg	46.8	4.69	A
Aroclor 1232	ND		ug/kg	46.8	9.92	A
Aroclor 1242	ND		ug/kg	46.8	6.30	A
Aroclor 1248	ND		ug/kg	46.8	7.02	A
Aroclor 1254	ND		ug/kg	46.8	5.12	A
Aroclor 1260	ND		ug/kg	46.8	8.64	A
Aroclor 1262	ND		ug/kg	46.8	5.94	A
Aroclor 1268	ND		ug/kg	46.8	4.84	A
PCBs, Total	ND		ug/kg	46.8	4.15	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/20/24 10:39
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 08/19/24 17:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05-06 Batch: WG1961168-1						
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 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	B
PCBs, Total	ND		ug/l	0.071	0.061	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

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: WG1960410-2 WG1960410-3									
Aroclor 1016	100		114		40-140	13		50	A
Aroclor 1260	102		108		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		101		30-150	A
Decachlorobiphenyl	112		132		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		106		30-150	B
Decachlorobiphenyl	108		128		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05-06 Batch: WG1961168-2 WG1961168-3									
Aroclor 1016	77		76		40-140	1		50	A
Aroclor 1260	80		78		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		72		30-150	A
Decachlorobiphenyl	92		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		75		30-150	B
Decachlorobiphenyl	92		92		30-150	B

PESTICIDES

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01
Client ID: SB-11 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:15
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/19/24 11:50
Analyst: SID
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 17:22
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.746	0.333	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.679	1	A
Heptachlor	ND		ug/kg	0.895	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.783	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.559	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.638	1	A
4,4'-DDT	ND		ug/kg	1.79	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	1.02	J	ug/kg	2.24	0.624	1	A
trans-Chlordane	1.41	JIP	ug/kg	2.24	0.591	1	B
Chlordane	ND		ug/kg	14.9	5.93	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01 Date Collected: 08/13/24 07:15

Client ID: SB-11 (1.5-2) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	84		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02
Client ID: SB-12 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:45
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/19/24 12:02
Analyst: SID
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 17:22
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.700	0.313	1	A
Alpha-BHC	ND		ug/kg	0.700	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.637	1	A
Heptachlor	ND		ug/kg	0.840	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.592	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.945	1	A
Endrin	ND		ug/kg	0.700	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.735	1	A
Endrin ketone	ND		ug/kg	1.68	0.433	1	A
Dieldrin	ND		ug/kg	1.05	0.525	1	A
4,4'-DDE	0.546	J	ug/kg	1.68	0.389	1	B
4,4'-DDD	ND		ug/kg	1.68	0.600	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.397	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.700	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.980	1	A
Toxaphene	ND		ug/kg	31.5	8.82	1	A
cis-Chlordane	ND		ug/kg	2.10	0.585	1	B
trans-Chlordane	ND	IP	ug/kg	2.10	0.555	1	B
Chlordane	ND		ug/kg	14.0	5.57	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02 Date Collected: 08/13/24 07:45

Client ID: SB-12 (1-1.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	98		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03
Client ID: SB-15 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 07:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/19/24 12:15
Analyst: SID
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/17/24 17:22
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

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	0.974	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	IP	ug/kg	1.08	0.541	1	B
4,4'-DDE	0.925	J	ug/kg	1.73	0.400	1	B
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	ND	IP	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	9.09	1	A
cis-Chlordane	ND	IP	ug/kg	2.16	0.603	1	A
trans-Chlordane	0.925	J	ug/kg	2.16	0.571	1	B
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03 Date Collected: 08/13/24 07:30

Client ID: SB-15 (3-3.5) Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	77		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/17/24 16:19
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 10:29

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	0.019	J	ug/l	0.029	0.003	1	B
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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05 Date Collected: 08/13/24 11:30

Client ID: TW-1 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 14:00
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/17/24 16:31
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 10:29

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: RIVER AVE BRONX, NY **Lab Number:** L2445869

Project Number: 13740:2 **Report Date:** 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06 Date Collected: 08/13/24 14:00

Client ID: TW-2 Date Received: 08/13/24

Sample Location: 1140 RIVER AVE BRONX, 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	63		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/18/24 16:23
Analyst: EMR

Extraction Method: EPA 3546
Extraction Date: 08/16/24 22:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1960404-1						
Delta-BHC	ND		ug/kg	1.52	0.297	A
Lindane	ND		ug/kg	0.632	0.282	A
Alpha-BHC	ND		ug/kg	0.632	0.179	A
Beta-BHC	ND		ug/kg	1.52	0.575	A
Heptachlor	ND		ug/kg	0.758	0.340	A
Aldrin	ND		ug/kg	1.52	0.534	A
Heptachlor epoxide	ND		ug/kg	2.84	0.853	A
Endrin	ND		ug/kg	0.632	0.259	A
Endrin aldehyde	ND		ug/kg	1.90	0.663	A
Endrin ketone	ND		ug/kg	1.52	0.390	A
Dieldrin	ND		ug/kg	0.948	0.474	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.541	A
4,4'-DDT	ND		ug/kg	1.52	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.358	A
Endosulfan II	ND		ug/kg	1.52	0.507	A
Endosulfan sulfate	ND		ug/kg	0.632	0.301	A
Methoxychlor	ND		ug/kg	2.84	0.884	A
Toxaphene	ND		ug/kg	28.4	7.96	A
cis-Chlordane	ND		ug/kg	1.90	0.528	A
trans-Chlordane	ND		ug/kg	1.90	0.500	A
Chlordane	ND		ug/kg	12.6	5.02	A

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/18/24 16:23
Analyst: EMR

Extraction Method: EPA 3546
Extraction Date: 08/16/24 22:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1960404-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/17/24 14:56
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 10:29

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05-06 Batch: WG1960524-1						
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/17/24 14:56
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 08/17/24 10:29

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05-06 Batch: WG1960524-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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: WG1960404-2 WG1960404-3									
Delta-BHC	79		80		30-150	1		30	A
Lindane	75		76		30-150	1		30	A
Alpha-BHC	77		78		30-150	1		30	A
Beta-BHC	78		82		30-150	5		30	A
Heptachlor	79		76		30-150	4		30	A
Aldrin	75		75		30-150	0		30	A
Heptachlor epoxide	56		57		30-150	2		30	A
Endrin	80		81		30-150	1		30	A
Endrin aldehyde	68		70		30-150	3		30	A
Endrin ketone	81		82		30-150	1		30	A
Dieldrin	85		84		30-150	1		30	A
4,4'-DDE	75		75		30-150	0		30	A
4,4'-DDD	83		82		30-150	1		30	A
4,4'-DDT	76		75		30-150	1		30	A
Endosulfan I	78		78		30-150	0		30	A
Endosulfan II	80		80		30-150	0		30	A
Endosulfan sulfate	74		76		30-150	3		30	A
Methoxychlor	89		90		30-150	1		30	A
cis-Chlordane	73		72		30-150	1		30	A
trans-Chlordane	84		84		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

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: WG1960404-2 WG1960404-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		71		30-150	A
Decachlorobiphenyl	67		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		82		30-150	B
Decachlorobiphenyl	97		96		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05-06 Batch: WG1960524-2 WG1960524-3									
Delta-BHC	65		60		30-150	8		20	A
Lindane	71		65		30-150	9		20	A
Alpha-BHC	64		61		30-150	5		20	A
Beta-BHC	69		64		30-150	8		20	A
Heptachlor	74		68		30-150	8		20	A
Aldrin	69		64		30-150	7		20	A
Heptachlor epoxide	71		66		30-150	6		20	A
Endrin	73		69		30-150	6		20	A
Endrin aldehyde	64		59		30-150	9		20	A
Endrin ketone	74		70		30-150	6		20	A
Dieldrin	78		73		30-150	6		20	A
4,4'-DDE	67		63		30-150	6		20	A
4,4'-DDD	76		71		30-150	7		20	A
4,4'-DDT	72		68		30-150	5		20	A
Endosulfan I	69		66		30-150	6		20	A
Endosulfan II	74		70		30-150	6		20	A
Endosulfan sulfate	74		69		30-150	6		20	A
Methoxychlor	76		71		30-150	6		20	A
cis-Chlordane	65		63		30-150	4		20	A
trans-Chlordane	79		75		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05-06 Batch: WG1960524-2 WG1960524-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		69		30-150	A
Decachlorobiphenyl	63		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		62		30-150	B
Decachlorobiphenyl	57		56		30-150	B

METALS

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01
Client ID: SB-11 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:15
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13200		mg/kg	8.86	2.39	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Antimony, Total	0.358	J	mg/kg	4.43	0.336	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Arsenic, Total	3.59		mg/kg	0.886	0.184	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Barium, Total	201		mg/kg	0.886	0.154	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.337	J	mg/kg	0.443	0.029	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.166	J	mg/kg	0.886	0.087	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Calcium, Total	19000		mg/kg	8.86	3.10	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Chromium, Total	27.0		mg/kg	0.886	0.085	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Cobalt, Total	8.49		mg/kg	1.77	0.147	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Copper, Total	30.6		mg/kg	0.886	0.228	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Iron, Total	15100		mg/kg	4.43	0.800	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Lead, Total	86.1		mg/kg	4.43	0.237	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Magnesium, Total	10000		mg/kg	8.86	1.36	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Manganese, Total	303		mg/kg	0.886	0.141	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Mercury, Total	0.225		mg/kg	0.077	0.050	1	08/19/24 16:44	08/19/24 21:20	EPA 7471B	1,7471B	DJR
Nickel, Total	19.2		mg/kg	2.21	0.214	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Potassium, Total	3980		mg/kg	221	12.8	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.77	0.228	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.443	0.251	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Sodium, Total	684		mg/kg	177	2.79	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Thallium, Total	1.24	J	mg/kg	1.77	0.279	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Vanadium, Total	38.4		mg/kg	0.886	0.180	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA
Zinc, Total	104		mg/kg	4.43	0.259	2	08/16/24 02:43	08/18/24 16:31	EPA 3050B	1,6010D	TAA

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445869
Project Number: 13740:2
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02
Client ID: SB-12 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:45
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11300		mg/kg	8.70	2.35	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.35	0.331	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Arsenic, Total	4.50		mg/kg	0.870	0.181	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Barium, Total	101		mg/kg	0.870	0.151	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.381	J	mg/kg	0.435	0.029	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.139	J	mg/kg	0.870	0.085	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Calcium, Total	10900		mg/kg	8.70	3.05	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Chromium, Total	20.5		mg/kg	0.870	0.084	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Cobalt, Total	7.75		mg/kg	1.74	0.144	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Copper, Total	26.7		mg/kg	0.870	0.224	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Iron, Total	13400		mg/kg	4.35	0.786	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Lead, Total	41.0		mg/kg	4.35	0.233	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Magnesium, Total	6380		mg/kg	8.70	1.34	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Manganese, Total	379		mg/kg	0.870	0.138	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Mercury, Total	0.081		mg/kg	0.073	0.048	1	08/19/24 16:44	08/19/24 21:23	EPA 7471B	1,7471B	DJR
Nickel, Total	13.9		mg/kg	2.18	0.211	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Potassium, Total	1580		mg/kg	218	12.5	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.74	0.224	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.435	0.246	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Sodium, Total	450		mg/kg	174	2.74	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Thallium, Total	0.602	J	mg/kg	1.74	0.274	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Vanadium, Total	31.2		mg/kg	0.870	0.177	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA
Zinc, Total	65.8		mg/kg	4.35	0.255	2	08/16/24 02:43	08/18/24 16:35	EPA 3050B	1,6010D	TAA

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445869
Project Number: 13740:2
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03
Client ID: SB-15 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:30
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17200		mg/kg	8.79	2.37	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.39	0.334	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Arsenic, Total	4.03		mg/kg	0.879	0.183	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Barium, Total	255		mg/kg	0.879	0.153	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.382	J	mg/kg	0.439	0.029	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.130	J	mg/kg	0.879	0.086	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Calcium, Total	6040		mg/kg	8.79	3.08	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Chromium, Total	49.5		mg/kg	0.879	0.084	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Cobalt, Total	10.6		mg/kg	1.76	0.146	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Copper, Total	37.5		mg/kg	0.879	0.227	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Iron, Total	18100		mg/kg	4.39	0.794	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Lead, Total	26.3		mg/kg	4.39	0.236	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Magnesium, Total	9140		mg/kg	8.79	1.35	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Manganese, Total	366		mg/kg	0.879	0.140	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.086	0.056	1	08/19/24 16:44	08/19/24 21:27	EPA 7471B	1,7471B	DJR
Nickel, Total	27.7		mg/kg	2.20	0.213	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Potassium, Total	5940		mg/kg	220	12.6	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.76	0.227	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.439	0.249	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Sodium, Total	247		mg/kg	176	2.77	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Thallium, Total	1.73	J	mg/kg	8.79	1.38	10	08/16/24 02:43	08/18/24 16:59	EPA 3050B	1,6010D	TAA
Vanadium, Total	55.2		mg/kg	0.879	0.178	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA
Zinc, Total	75.4		mg/kg	4.39	0.258	2	08/16/24 02:43	08/18/24 16:39	EPA 3050B	1,6010D	TAA

Project Name: RIVER AVE BRONX, NY
Lab Number: L2445869
Project Number: 13740:2
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 11:30
Date Received: 08/13/24
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	0.732		mg/l	0.0100	0.00327	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Antimony, Total	0.00183	J	mg/l	0.00400	0.00042	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00037	J	mg/l	0.00050	0.00016	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Barium, Total	0.04989		mg/l	0.00050	0.00017	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Cadmium, Total	0.00012	J	mg/l	0.00020	0.00005	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Calcium, Total	77.0		mg/l	0.100	0.0394	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00165		mg/l	0.00100	0.00017	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00055		mg/l	0.00050	0.00016	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Copper, Total	0.00289		mg/l	0.00100	0.00038	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Iron, Total	1.08		mg/l	0.0500	0.0191	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Lead, Total	0.00252		mg/l	0.00100	0.00034	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Magnesium, Total	39.2		mg/l	0.700	0.242	10	08/14/24 22:30	08/18/24 15:03	EPA 3005A	1,6020B	WKP
Manganese, Total	0.06238		mg/l	0.00100	0.00044	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Mercury, Total	0.00051		mg/l	0.00020	0.00009	1	08/14/24 22:41	08/16/24 08:30	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00161	J	mg/l	0.00200	0.00055	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Potassium, Total	5.72		mg/l	0.100	0.0309	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Selenium, Total	0.00313	J	mg/l	0.00500	0.00173	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Sodium, Total	36.0		mg/l	1.00	0.293	10	08/14/24 22:30	08/18/24 15:03	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Vanadium, Total	0.00194	J	mg/l	0.00500	0.00157	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP
Zinc, Total	0.01082		mg/l	0.01000	0.00341	1	08/14/24 22:30	08/18/24 14:14	EPA 3005A	1,6020B	WKP

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 14:00
Date Received: 08/13/24
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	1.79		mg/l	0.0100	0.00327	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Antimony, Total	0.00064	J	mg/l	0.00400	0.00042	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Arsenic, Total	0.00033	J	mg/l	0.00050	0.00016	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Barium, Total	0.01044		mg/l	0.00050	0.00017	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Beryllium, Total	0.00021	J	mg/l	0.00050	0.00010	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Cadmium, Total	0.00043		mg/l	0.00020	0.00005	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Calcium, Total	115.		mg/l	0.100	0.0394	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00750		mg/l	0.00100	0.00017	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Cobalt, Total	0.00078		mg/l	0.00050	0.00016	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Copper, Total	0.00175		mg/l	0.00100	0.00038	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Iron, Total	2.31		mg/l	0.0500	0.0191	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Lead, Total	0.00098	J	mg/l	0.00100	0.00034	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Magnesium, Total	62.5		mg/l	0.700	0.242	10	08/14/24 22:30	08/18/24 15:07	EPA 3005A	1,6020B	WKP
Manganese, Total	0.1639		mg/l	0.01000	0.00440	10	08/14/24 22:30	08/18/24 15:07	EPA 3005A	1,6020B	WKP
Mercury, Total	0.00025		mg/l	0.00020	0.00009	1	08/14/24 22:41	08/16/24 08:34	EPA 7470A	1,7470A	JWN
Nickel, Total	0.00152	J	mg/l	0.00200	0.00055	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Potassium, Total	12.2		mg/l	0.100	0.0309	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Sodium, Total	35.6		mg/l	1.00	0.293	10	08/14/24 22:30	08/18/24 15:07	EPA 3005A	1,6020B	WKP
Thallium, Total	0.00014	J	mg/l	0.00100	0.00014	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Vanadium, Total	0.00331	J	mg/l	0.00500	0.00157	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP
Zinc, Total	0.00368	J	mg/l	0.01000	0.00341	1	08/14/24 22:30	08/18/24 14:19	EPA 3005A	1,6020B	WKP

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

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): 05-06 Batch: WG1959350-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Chromium, Total	0.00021	J	mg/l	0.00100	0.00017	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/14/24 22:30	08/16/24 10:08	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/14/24 22:30	08/16/24 10:08	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): 05-06 Batch: WG1959355-1										
Mercury, Total	0.00013	J	mg/l	0.00020	0.00009	1	08/14/24 22:41	08/16/24 07:48	1,7470A	JWN

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

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: WG1959539-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Barium, Total	ND		mg/kg	0.400	0.070	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Copper, Total	ND		mg/kg	0.400	0.103	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Iron, Total	0.618	J	mg/kg	2.00	0.361	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Lead, Total	ND		mg/kg	2.00	0.107	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Potassium, Total	ND		mg/kg	100	5.76	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Silver, Total	ND		mg/kg	0.200	0.113	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/16/24 02:43	08/18/24 13:51	1,6010D	TAA

Prep Information

Digestion Method: EPA 3050B

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

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: WG1961112-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/19/24 16:44	08/19/24 20:01	1,7471B	DJR

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1959350-2								
Aluminum, Total	100		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	104		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	105		-		80-120	-		
Cadmium, Total	101		-		80-120	-		
Calcium, Total	98		-		80-120	-		
Chromium, Total	110		-		80-120	-		
Cobalt, Total	110		-		80-120	-		
Copper, Total	108		-		80-120	-		
Iron, Total	112		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	107		-		80-120	-		
Manganese, Total	113		-		80-120	-		
Nickel, Total	111		-		80-120	-		
Potassium, Total	111		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	109		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	107		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1959350-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 05-06 Batch: WG1959355-2					
Mercury, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1959539-2					
Aluminum, Total	105	-	80-120	-	
Antimony, Total	96	-	80-120	-	
Arsenic, Total	101	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	102	-	80-120	-	
Chromium, Total	104	-	80-120	-	
Cobalt, Total	105	-	80-120	-	
Copper, Total	107	-	80-120	-	
Iron, Total	107	-	80-120	-	
Lead, Total	98	-	80-120	-	
Magnesium, Total	101	-	80-120	-	
Manganese, Total	106	-	80-120	-	
Nickel, Total	106	-	80-120	-	
Potassium, Total	109	-	80-120	-	
Selenium, Total	98	-	80-120	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	109	-	80-120	-	
Thallium, Total	97	-	80-120	-	
Vanadium, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1959539-2					
Zinc, Total	105	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1961112-2					
Mercury, Total	88	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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): 05-06 QC Batch ID: WG1959350-3 QC Sample: L2445381-01 Client ID: MS Sample												
Aluminum, Total	0.019	2	2.10	104		-	-		75-125	-		20
Antimony, Total	0.00090J	0.5	0.5112	102		-	-		75-125	-		20
Arsenic, Total	0.0008	0.12	0.1280	106		-	-		75-125	-		20
Barium, Total	0.2388	2	2.290	102		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05177	104		-	-		75-125	-		20
Cadmium, Total	0.0008	0.053	0.05547	103		-	-		75-125	-		20
Calcium, Total	64.6	10	76.3	117		-	-		75-125	-		20
Chromium, Total	0.0036	0.2	0.2370	117		-	-		75-125	-		20
Cobalt, Total	0.0036	0.5	0.5705	113		-	-		75-125	-		20
Copper, Total	0.2532	0.25	0.5514	119		-	-		75-125	-		20
Iron, Total	1.42	1	2.63	121		-	-		75-125	-		20
Lead, Total	0.05479	0.53	0.6034	104		-	-		75-125	-		20
Magnesium, Total	8.82	10	20.2	114		-	-		75-125	-		20
Manganese, Total	3.288	0.5	3.766	96		-	-		75-125	-		20
Nickel, Total	0.0087	0.5	0.5833	115		-	-		75-125	-		20
Potassium, Total	5.13	10	16.4	113		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.120	100		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05573	111		-	-		75-125	-		20
Sodium, Total	149	10	160	110		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1036	86		-	-		75-125	-		20
Vanadium, Total	0.0030J	0.5	0.5526	110		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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): 05-06 QC Batch ID: WG1959350-3 QC Sample: L2445381-01 Client ID: MS Sample									
Zinc, Total	0.5074	0.5	1.083	115	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1959355-3 QC Sample: L2444700-01 Client ID: MS Sample									
Mercury, Total	0.00031	0.005	0.00471	88	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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: WG1959539-3 QC Sample: L2445812-08 Client ID: MS Sample										
Aluminum, Total	2220	164	2490	**165**	Q	-	-	75-125	-	20
Antimony, Total	ND	40.9	36.2	88		-	-	75-125	-	20
Arsenic, Total	1.25	9.81	11.0	99		-	-	75-125	-	20
Barium, Total	25.8	164	187	98		-	-	75-125	-	20
Beryllium, Total	0.099J	4.09	4.26	104		-	-	75-125	-	20
Cadmium, Total	ND	4.33	4.20	97		-	-	75-125	-	20
Calcium, Total	2420	818	2420	**0**	Q	-	-	75-125	-	20
Chromium, Total	6.99	16.4	23.4	100		-	-	75-125	-	20
Cobalt, Total	1.69	40.9	41.4	97		-	-	75-125	-	20
Copper, Total	9.63	20.4	40.0	**148**	Q	-	-	75-125	-	20
Iron, Total	4860	81.8	5400	**660**	Q	-	-	75-125	-	20
Lead, Total	29.1	43.3	83.5	**126**	Q	-	-	75-125	-	20
Magnesium, Total	1430	818	1930	**61**	Q	-	-	75-125	-	20
Manganese, Total	47.7	40.9	90.4	104		-	-	75-125	-	20
Nickel, Total	10.0	40.9	52.8	105		-	-	75-125	-	20
Potassium, Total	377	818	1240	106		-	-	75-125	-	20
Selenium, Total	ND	9.81	9.38	96		-	-	75-125	-	20
Silver, Total	ND	4.09	4.15	102		-	-	75-125	-	20
Sodium, Total	63.8J	818	917	112		-	-	75-125	-	20
Thallium, Total	ND	9.81	9.30	95		-	-	75-125	-	20
Vanadium, Total	8.75	40.9	48.4	97		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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: WG1959539-3 QC Sample: L2445812-08 Client ID: MS Sample										
Zinc, Total	34.1	40.9	108	**181**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1961112-3 WG1961112-4 QC Sample: L2445491-04 Client ID: MS Sample										
Mercury, Total	0.062J	1.73	1.62	94		1.56	91	80-120	4	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1959350-4 QC Sample: L2445381-01 Client ID: DUP Sample						
Copper, Total	0.2532	0.2595	mg/l	2		20
Lead, Total	0.05479	0.05807	mg/l	6		20
Selenium, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.5074	0.5193	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 05-06 QC Batch ID: WG1959355-4 QC Sample: L2444700-01 Client ID: DUP Sample						
Mercury, Total	0.00031	0.00034	mg/l	9		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1959539-4 QC Sample: L2445812-08 Client ID: DUP Sample						
Aluminum, Total	2220	2140	mg/kg	4		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	1.25	1.21	mg/kg	3		20
Barium, Total	25.8	22.2	mg/kg	15		20
Beryllium, Total	0.099J	0.096J	mg/kg	NC		20
Cadmium, Total	ND	0.112J	mg/kg	NC		20
Calcium, Total	2420	1760	mg/kg	**32**	Q	20
Chromium, Total	6.99	6.64	mg/kg	5		20
Cobalt, Total	1.69	1.64	mg/kg	3		20
Copper, Total	9.63	10.1	mg/kg	5		20
Iron, Total	4860	4720	mg/kg	3		20
Lead, Total	29.1	41.9	mg/kg	**36**	Q	20
Magnesium, Total	1430	1300	mg/kg	10		20
Manganese, Total	47.7	47.9	mg/kg	0		20
Nickel, Total	10.0	9.06	mg/kg	10		20
Potassium, Total	377	373	mg/kg	1		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	63.8J	61.6J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1959539-4 QC Sample: L2445812-08 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	8.75	8.22	mg/kg	6	20
Zinc, Total	34.1	34.8	mg/kg	2	20

INORGANICS
&
MISCELLANEOUS

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-01
Client ID: SB-11 (1.5-2)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:15
Date Received: 08/13/24
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	87.0		%	0.100	NA	1	-	08/14/24 10:58	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/16/24 11:50	08/16/24 16:12	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-02
Client ID: SB-12 (1-1.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:45
Date Received: 08/13/24
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	90.6		%	0.100	NA	1	-	08/14/24 10:58	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/16/24 11:50	08/16/24 16:13	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-03
Client ID: SB-15 (3-3.5)
Sample Location: 1140 RIVER AVE BRONX, NY
Date Collected: 08/13/24 07:30
Date Received: 08/13/24
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	89.8		%	0.100	NA	1	-	08/14/24 10:58	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/16/24 11:50	08/16/24 16:14	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-05
Client ID: TW-1
Sample Location: 1140 RIVER AVE BRONX, NY
Sample Depth:
Matrix: Water
Date Collected: 08/13/24 11:30
Date Received: 08/13/24
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	ND		mg/l	0.005	0.001	1	08/15/24 10:40	08/15/24 15:40	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

SAMPLE RESULTS

Lab ID: L2445869-06
Client ID: TW-2
Sample Location: 1140 RIVER AVE BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 08/13/24 14:00
Date Received: 08/13/24
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	ND		mg/l	0.005	0.001	1	08/15/24 10:40	08/15/24 15:39	1,9010C/9012B	JER

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

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): 05-06 Batch: WG1959654-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/15/24 10:40	08/15/24 15:31	1,9010C/9012B	JER
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1960240-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	08/16/24 11:50	08/16/24 16:05	1,9010C/9012B	JER

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05-06 Batch: WG1959654-2 WG1959654-3								
Cyanide, Total	94		88		85-115	7		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1960240-2 WG1960240-3								
Cyanide, Total	101		93		80-120	6		35

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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): 05-06 QC Batch ID: WG1959654-4 WG1959654-5 QC Sample: L2445771-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.202	101		0.205	102		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1960240-4 WG1960240-5 QC Sample: L2446146-01 Client ID: MS Sample												
Cyanide, Total	ND	11	12	110		12	110		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1960240-6 WG1960240-7 QC Sample: L2446146-06 Client ID: MS Sample												
Cyanide, Total	ND	10	11	110		10	100		75-125	10		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: RIVER AVE BRONX, NY

Project Number: 13740:2

Lab Number: L2445869

Report Date: 08/27/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1959137-1 QC Sample: L2445783-08 Client ID: DUP Sample						
Solids, Total	90.2	90.8	%	1		20

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

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(*)
L2445869-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2445869-01B	Vial water preserved	A	NA		2.8	Y	Absent	14-AUG-24 10:03	NYTCL-8260HLW(14)
L2445869-01C	Vial water preserved	A	NA		2.8	Y	Absent	14-AUG-24 10:03	NYTCL-8260HLW(14)
L2445869-01D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2445869-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2445869-01F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2445869-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2445869-02B	Vial water preserved	A	NA		2.8	Y	Absent	14-AUG-24 10:03	NYTCL-8260HLW(14)
L2445869-02C	Vial water preserved	A	NA		2.8	Y	Absent	14-AUG-24 10:03	NYTCL-8260HLW(14)
L2445869-02D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2445869-02D1	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L2445869-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2445869-02F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(365)
L2445869-02G	Plastic 8oz unpreserved	A	NA		2.8	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2445869-03A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2445869-03B	Vial water preserved	A	NA		2.8	Y	Absent	14-AUG-24 10:03	NYTCL-8260HLW(14)
L2445869-03C	Vial water preserved	A	NA		2.8	Y	Absent	14-AUG-24 10:03	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2445869-03D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2445869-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2445869-03F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2445869-04A	Vial MeOH preserved	A	NA		2.8	Y	Absent		HOLD-8260HLW(14)
L2445869-04B	Vial water preserved	A	NA		2.8	Y	Absent	14-AUG-24 10:03	HOLD-8260HLW(14)
L2445869-04C	Vial water preserved	A	NA		2.8	Y	Absent	14-AUG-24 10:03	HOLD-8260HLW(14)
L2445869-04D	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		HOLD-WETCHEM()
L2445869-04E	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-METAL(180)
L2445869-04F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		HOLD-8081(14),HOLD-8270(14),HOLD-8082(14)
L2445869-05A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2445869-05B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2445869-05C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2445869-05D	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		TL-6020T(180),SE-6020T(180),BA-6020T(180),FE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2445869-05E	Plastic 250ml NaOH preserved	A	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2445869-05F	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2445869-05G	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2445869-05H	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(365)
L2445869-05I	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(365)
L2445869-05J	Amber 100ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2445869-05K	Amber 100ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2445869-05L	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445869
Report Date: 08/27/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2445869-05M	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2445869-05N	Plastic 500ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2445869-05O	Plastic 500ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2445869-05P	Plastic 500ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2445869-06A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2445869-06B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2445869-06C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2445869-06D	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),MG-6020T(180),HG-T(28),AG-6020T(180),CD-6020T(180),AL-6020T(180),CO-6020T(180)
L2445869-06E	Plastic 250ml NaOH preserved	A	>12	>12	2.8	Y	Absent		TCN-9010(14)
L2445869-06F	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2445869-06G	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2445869-06H	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(365)
L2445869-06I	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(365)
L2445869-06J	Amber 100ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2445869-06K	Amber 100ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2445869-06L	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2445869-06M	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2445869-06N	Plastic 500ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2445869-06O	Plastic 500ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2445869-06P	Plastic 500ml unpreserved	A	NA		2.8	Y	Absent		A2-NY-1633-DRAFT-21(28)

*Values in parentheses indicate holding time in days

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445869
Report Date: 08/27/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445869
Project Number:	13740:2	**Report Date:**	08/27/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445869
Project Number:	13740:2	**Report Date:**	08/27/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445869
Project Number:	13740:2	**Report Date:**	08/27/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445869
Project Number:	13740:2	**Report Date:**	08/27/24

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

L2445869 20AUG24
SESI

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 1

Date Rec'd in Lab: 8/14/24

Client Information
Client: SESI
Address: 959 US 46 Fl 3 S300
Parsippany NJ 07054
Phone: 973 8089050
Fax:
Email: Sheng.Long@sesi.org

Project Information
Project Name: River Ave Bronx, NY
Project Location: 1140 River Ave Bronx, NY
Project # 13740:2
(Use Project name as Project #) ☐
Project Manager: Sheng Long
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days: 5

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.

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)	Total Bottle	Sample Specific Comments
45869-01	SB-11 (1.5-2)	8/13/24	7:15	So:l	CB	✓				
-02	SB-12 (1-1.5)		7:45	So:l	CB	✓				
-03	SB-15 (3-3.5)		7:30	So:l	CB	✓				
-04	SB-06 (9-9.5)		8:00	So:l	CB	H	✓	✓		Hold for Analysis
-05	IW-1	C	1130	GW	CB	✓	✓	✓		
-06	IW-2	↓	1400	GW	CB	✓	✓	✓		

Container Type: A/V
Preservative: Methanol

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
Face	8/13/24 1805	Face	8/13/24 18:05
Face	8/13/24 14:30		8/13 2250
	8/14/24 0355		8/14/24 0355

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)

08114124-0355

ANALYTICAL REPORT

Lab Number:	L2445913
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	Sheng Long
Phone:	(973) 808-9050
Project Name:	RIVER AVE BRONX, NY
Project Number:	13740:2
Report Date:	08/20/24

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

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: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445913
Report Date: 08/20/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2445913-01	SV-1	SOIL_VAPOR	1140 RIVER AVE BRONX, NY	08/13/24 11:00	08/13/24
L2445913-02	SV-2	SOIL_VAPOR	1140 RIVER AVE BRONX, NY	08/13/24 11:02	08/13/24
L2445913-03	SV-3	SOIL_VAPOR	1140 RIVER AVE BRONX, NY	08/13/24 11:04	08/13/24
L2445913-04	UNUSED CAN #2270	SOIL_VAPOR	1140 RIVER AVE BRONX, NY		08/13/24

Project Name:	RIVER AVE BRONX, NY	**Lab Number:**	L2445913
Project Number:	13740:2	**Report Date:**	08/20/24

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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 9, 2024. The canister certification data is provided as an addendum.

L2445913-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2445913-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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: Jennifer Jerome

Title: Technical Director/Representative Date: 08/20/24

AIR

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-01 D
Client ID: SV-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:00
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/16/24 17:43
Analyst: JMB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	5.72	0.303	--	28.3	1.50	--		1.515
Chloromethane	ND	0.303	--	ND	0.626	--		1.515
Freon-114	ND	0.303	--	ND	2.12	--		1.515
Vinyl chloride	ND	0.303	--	ND	0.775	--		1.515
1,3-Butadiene	2.34	0.303	--	5.18	0.670	--		1.515
Bromomethane	ND	0.303	--	ND	1.18	--		1.515
Chloroethane	ND	0.303	--	ND	0.800	--		1.515
Ethanol	24.1	7.58	--	45.4	14.3	--		1.515
Vinyl bromide	ND	0.303	--	ND	1.32	--		1.515
Acetone	115	1.52	--	273	3.61	--		1.515
Trichlorofluoromethane	2.00	0.303	--	11.2	1.70	--		1.515
Isopropanol	1.39	0.758	--	3.42	1.86	--		1.515
1,1-Dichloroethene	ND	0.303	--	ND	1.20	--		1.515
Tertiary butyl Alcohol	4.88	0.758	--	14.8	2.30	--		1.515
Methylene chloride	1.23	0.758	--	4.27	2.63	--		1.515
3-Chloropropene	ND	0.303	--	ND	0.948	--		1.515
Carbon disulfide	1.40	0.303	--	4.36	0.944	--		1.515
Freon-113	ND	0.303	--	ND	2.32	--		1.515
trans-1,2-Dichloroethene	ND	0.303	--	ND	1.20	--		1.515
1,1-Dichloroethane	ND	0.303	--	ND	1.23	--		1.515
Methyl tert butyl ether	ND	0.303	--	ND	1.09	--		1.515
2-Butanone	3.93	0.758	--	11.6	2.24	--		1.515
cis-1,2-Dichloroethene	ND	0.303	--	ND	1.20	--		1.515

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-01 D
Client ID: SV-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:00
Date Received: 08/13/24
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	0.758	--	ND	2.73	--		1.515
Chloroform	0.339	0.303	--	1.66	1.48	--		1.515
Tetrahydrofuran	ND	0.758	--	ND	2.24	--		1.515
1,2-Dichloroethane	ND	0.303	--	ND	1.23	--		1.515
n-Hexane	3.01	0.303	--	10.6	1.07	--		1.515
1,1,1-Trichloroethane	ND	0.303	--	ND	1.65	--		1.515
Benzene	3.40	0.303	--	10.9	0.968	--		1.515
Carbon tetrachloride	ND	0.303	--	ND	1.91	--		1.515
Cyclohexane	0.662	0.303	--	2.28	1.04	--		1.515
1,2-Dichloropropane	ND	0.303	--	ND	1.40	--		1.515
Bromodichloromethane	ND	0.303	--	ND	2.03	--		1.515
1,4-Dioxane	ND	0.303	--	ND	1.09	--		1.515
Trichloroethene	ND	0.303	--	ND	1.63	--		1.515
2,2,4-Trimethylpentane	0.350	0.303	--	1.63	1.42	--		1.515
Heptane	2.64	0.303	--	10.8	1.24	--		1.515
cis-1,3-Dichloropropene	ND	0.303	--	ND	1.38	--		1.515
4-Methyl-2-pentanone	3.32	0.758	--	13.6	3.11	--		1.515
trans-1,3-Dichloropropene	ND	0.303	--	ND	1.38	--		1.515
1,1,2-Trichloroethane	ND	0.303	--	ND	1.65	--		1.515
Toluene	17.6	0.303	--	66.3	1.14	--		1.515
2-Hexanone	ND	0.303	--	ND	1.24	--		1.515
Dibromochloromethane	ND	0.303	--	ND	2.58	--		1.515
1,2-Dibromoethane	ND	0.303	--	ND	2.33	--		1.515
Tetrachloroethene	4.98	0.303	--	33.8	2.05	--		1.515
Chlorobenzene	ND	0.303	--	ND	1.40	--		1.515
Ethylbenzene	5.50	0.303	--	23.9	1.32	--		1.515

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-01 D
Client ID: SV-1
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:00
Date Received: 08/13/24
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	23.8	0.606	--	103	2.63	--		1.515
Bromoform	ND	0.303	--	ND	3.13	--		1.515
Styrene	0.374	0.303	--	1.59	1.29	--		1.515
1,1,2,2-Tetrachloroethane	ND	0.303	--	ND	2.08	--		1.515
o-Xylene	8.51	0.303	--	37.0	1.32	--		1.515
4-Ethyltoluene	2.42	0.303	--	11.9	1.49	--		1.515
1,3,5-Trimethylbenzene	2.13	0.303	--	10.5	1.49	--		1.515
1,2,4-Trimethylbenzene	9.36	0.303	--	46.0	1.49	--		1.515
Benzyl chloride	ND	0.303	--	ND	1.57	--		1.515
1,3-Dichlorobenzene	ND	0.303	--	ND	1.82	--		1.515
1,4-Dichlorobenzene	ND	0.303	--	ND	1.82	--		1.515
1,2-Dichlorobenzene	ND	0.303	--	ND	1.82	--		1.515
1,2,4-Trichlorobenzene	ND	0.303	--	ND	2.25	--		1.515
Naphthalene	0.700	0.303	--	3.67	1.59	--		1.515
Hexachlorobutadiene	ND	0.303	--	ND	3.23	--		1.515

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-02
Client ID: SV-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:02
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/16/24 18:22
Analyst: JMB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.32	0.200	--	6.53	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	1.71	0.200	--	3.78	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	27.2	5.00	--	51.3	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	168	1.00	--	399	2.38	--		1
Trichlorofluoromethane	85.3	0.200	--	479	1.12	--		1
Isopropanol	1.79	0.500	--	4.40	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	7.53	0.500	--	22.8	1.52	--		1
Methylene chloride	1.60	0.500	--	5.56	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	4.52	0.200	--	14.1	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	6.34	0.500	--	18.7	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-02
Client ID: SV-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:02
Date Received: 08/13/24
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	4.10	0.200	--	20.0	0.977	--		1
Tetrahydrofuran	0.659	0.500	--	1.94	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	4.34	0.200	--	15.3	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.82	0.200	--	9.01	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.04	0.200	--	3.58	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	0.456	0.200	--	2.13	0.934	--		1
Heptane	3.10	0.200	--	12.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	7.69	0.500	--	31.5	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	21.3	0.200	--	80.3	0.754	--		1
2-Hexanone	1.50	0.200	--	6.15	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.53	0.200	--	17.2	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	7.48	0.200	--	32.5	0.869	--		1

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-02
Client ID: SV-2
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:02
Date Received: 08/13/24
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	31.1	0.400	--	135	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.470	0.200	--	2.00	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	10.8	0.200	--	46.9	0.869	--		1
4-Ethyltoluene	2.73	0.200	--	13.4	0.983	--		1
1,3,5-Trimethylbenzene	2.76	0.200	--	13.6	0.983	--		1
1,2,4-Trimethylbenzene	11.9	0.200	--	58.5	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	1.07	0.200	--	5.61	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	85		60-140

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-03 D
Client ID: SV-3
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:04
Date Received: 08/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/16/24 18:59
Analyst: JMB

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.682	0.323	--	3.37	1.60	--		1.613
Chloromethane	ND	0.323	--	ND	0.667	--		1.613
Freon-114	ND	0.323	--	ND	2.26	--		1.613
Vinyl chloride	ND	0.323	--	ND	0.826	--		1.613
1,3-Butadiene	4.70	0.323	--	10.4	0.715	--		1.613
Bromomethane	ND	0.323	--	ND	1.25	--		1.613
Chloroethane	ND	0.323	--	ND	0.852	--		1.613
Ethanol	ND	8.06	--	ND	15.2	--		1.613
Vinyl bromide	ND	0.323	--	ND	1.41	--		1.613
Acetone	112	1.61	--	266	3.82	--		1.613
Trichlorofluoromethane	0.837	0.323	--	4.70	1.82	--		1.613
Isopropanol	0.911	0.806	--	2.24	1.98	--		1.613
1,1-Dichloroethene	ND	0.323	--	ND	1.28	--		1.613
Tertiary butyl Alcohol	1.62	0.806	--	4.91	2.44	--		1.613
Methylene chloride	ND	0.806	--	ND	2.80	--		1.613
3-Chloropropene	ND	0.323	--	ND	1.01	--		1.613
Carbon disulfide	4.01	0.323	--	12.5	1.01	--		1.613
Freon-113	ND	0.323	--	ND	2.48	--		1.613
trans-1,2-Dichloroethene	ND	0.323	--	ND	1.28	--		1.613
1,1-Dichloroethane	ND	0.323	--	ND	1.31	--		1.613
Methyl tert butyl ether	ND	0.323	--	ND	1.16	--		1.613
2-Butanone	8.94	0.806	--	26.4	2.38	--		1.613
cis-1,2-Dichloroethene	ND	0.323	--	ND	1.28	--		1.613

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-03 D
Client ID: SV-3
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:04
Date Received: 08/13/24
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	0.806	--	ND	2.90	--		1.613
Chloroform	1.15	0.323	--	5.62	1.58	--		1.613
Tetrahydrofuran	ND	0.806	--	ND	2.38	--		1.613
1,2-Dichloroethane	ND	0.323	--	ND	1.31	--		1.613
n-Hexane	1.87	0.323	--	6.59	1.14	--		1.613
1,1,1-Trichloroethane	ND	0.323	--	ND	1.76	--		1.613
Benzene	155	0.323	--	495	1.03	--		1.613
Carbon tetrachloride	ND	0.323	--	ND	2.03	--		1.613
Cyclohexane	7.88	0.323	--	27.1	1.11	--		1.613
1,2-Dichloropropane	ND	0.323	--	ND	1.49	--		1.613
Bromodichloromethane	ND	0.323	--	ND	2.16	--		1.613
1,4-Dioxane	ND	0.323	--	ND	1.16	--		1.613
Trichloroethene	ND	0.323	--	ND	1.74	--		1.613
2,2,4-Trimethylpentane	ND	0.323	--	ND	1.51	--		1.613
Heptane	1.64	0.323	--	6.72	1.32	--		1.613
cis-1,3-Dichloropropene	ND	0.323	--	ND	1.47	--		1.613
4-Methyl-2-pentanone	ND	0.806	--	ND	3.30	--		1.613
trans-1,3-Dichloropropene	ND	0.323	--	ND	1.47	--		1.613
1,1,2-Trichloroethane	ND	0.323	--	ND	1.76	--		1.613
Toluene	15.1	0.323	--	56.9	1.22	--		1.613
2-Hexanone	ND	0.323	--	ND	1.32	--		1.613
Dibromochloromethane	ND	0.323	--	ND	2.75	--		1.613
1,2-Dibromoethane	ND	0.323	--	ND	2.48	--		1.613
Tetrachloroethene	1.73	0.323	--	11.7	2.19	--		1.613
Chlorobenzene	ND	0.323	--	ND	1.49	--		1.613
Ethylbenzene	3.78	0.323	--	16.4	1.40	--		1.613

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

SAMPLE RESULTS

Lab ID: L2445913-03 D
Client ID: SV-3
Sample Location: 1140 RIVER AVE BRONX, NY

Date Collected: 08/13/24 11:04
Date Received: 08/13/24
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	14.4	0.645	--	62.5	2.80	--		1.613
Bromoform	ND	0.323	--	ND	3.34	--		1.613
Styrene	ND	0.323	--	ND	1.38	--		1.613
1,1,2,2-Tetrachloroethane	ND	0.323	--	ND	2.22	--		1.613
o-Xylene	5.52	0.323	--	24.0	1.40	--		1.613
4-Ethyltoluene	1.44	0.323	--	7.08	1.59	--		1.613
1,3,5-Trimethylbenzene	1.40	0.323	--	6.88	1.59	--		1.613
1,2,4-Trimethylbenzene	6.34	0.323	--	31.2	1.59	--		1.613
Benzyl chloride	ND	0.323	--	ND	1.67	--		1.613
1,3-Dichlorobenzene	ND	0.323	--	ND	1.94	--		1.613
1,4-Dichlorobenzene	ND	0.323	--	ND	1.94	--		1.613
1,2-Dichlorobenzene	ND	0.323	--	ND	1.94	--		1.613
1,2,4-Trichlorobenzene	ND	0.323	--	ND	2.40	--		1.613
Naphthalene	0.613	0.323	--	3.21	1.69	--		1.613
Hexachlorobutadiene	ND	0.323	--	ND	3.45	--		1.613

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	85		60-140

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/16/24 12:40

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: WG1960321-4								
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/16/24 12:40

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: WG1960321-4								
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: RIVER AVE BRONX, NY
Project Number: 13740:2
Lab Number: L2445913
Report Date: 08/20/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/16/24 12:40

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: WG1960321-4								
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: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445913
Report Date: 08/20/24

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: WG1960321-3								
Dichlorodifluoromethane	107		-		70-130	-		
Chloromethane	83		-		70-130	-		
Freon-114	101		-		70-130	-		
Vinyl chloride	100		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Bromomethane	103		-		70-130	-		
Chloroethane	103		-		70-130	-		
Ethanol	86		-		40-160	-		
Vinyl bromide	97		-		70-130	-		
Acetone	123		-		40-160	-		
Trichlorofluoromethane	120		-		70-130	-		
Isopropanol	89		-		40-160	-		
1,1-Dichloroethene	124		-		70-130	-		
Tertiary butyl Alcohol	98		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	114		-		70-130	-		
Carbon disulfide	105		-		70-130	-		
Freon-113	114		-		70-130	-		
trans-1,2-Dichloroethene	117		-		70-130	-		
1,1-Dichloroethane	117		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	122		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445913
Report Date: 08/20/24

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: WG1960321-3								
Ethyl Acetate	124		-		70-130	-		
Chloroform	117		-		70-130	-		
Tetrahydrofuran	100		-		70-130	-		
1,2-Dichloroethane	121		-		70-130	-		
n-Hexane	116		-		70-130	-		
1,1,1-Trichloroethane	114		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	117		-		70-130	-		
1,2-Dichloropropane	112		-		70-130	-		
Bromodichloromethane	121		-		70-130	-		
1,4-Dioxane	117		-		70-130	-		
Trichloroethene	113		-		70-130	-		
2,2,4-Trimethylpentane	119		-		70-130	-		
Heptane	104		-		70-130	-		
cis-1,3-Dichloropropene	106		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	107		-		70-130	-		
1,1,2-Trichloroethane	113		-		70-130	-		
Toluene	97		-		70-130	-		
2-Hexanone	105		-		70-130	-		
Dibromochloromethane	122		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445913
Report Date: 08/20/24

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: WG1960321-3								
Tetrachloroethene	103		-		70-130	-		
Chlorobenzene	103		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	110		-		70-130	-		
Bromoform	119		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	116		-		70-130	-		
o-Xylene	112		-		70-130	-		
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	108		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Benzyl chloride	111		-		70-130	-		
1,3-Dichlorobenzene	110		-		70-130	-		
1,4-Dichlorobenzene	106		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
1,2,4-Trichlorobenzene	88		-		70-130	-		
Naphthalene	86		-		70-130	-		
Hexachlorobutadiene	78		-		70-130	-		

Project Name: RIVER AVE BRONX, NY

Lab Number: L2445913

Project Number: 13740:2

Report Date: 08/20/24

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
L2445913-01	SV-1	0795	Flow 2	08/09/24	479280		-	-	-	Pass	40.3	42.3	5
L2445913-01	SV-1	704	6.0L Can	08/09/24	479280	L2442615-03	Pass	-29.6	-2.8	-	-	-	-
L2445913-02	SV-2	0953	Flow 2	08/09/24	479280		-	-	-	Pass	40.0	39.5	1
L2445913-02	SV-2	2955	6.0L Can	08/09/24	479280	L2442615-03	Pass	-29.6	-5.4	-	-	-	-
L2445913-03	SV-3	01136	Flow 2	08/09/24	479280		-	-	-	Pass	40.2	39.3	2
L2445913-03	SV-3	2282	6.0L Can	08/09/24	479280	L2442615-03	Pass	-29.6	-5.2	-	-	-	-
L2445913-04	UNUSED CAN #2270	02171	Flow 2	08/09/24	479280		-	-	-	Pass	40.0	38.9	3
L2445913-04	UNUSED CAN #2270	2270	6.0L Can	08/09/24	479280	L2442615-03	Pass	-29.6	-28.9	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2442615
Report Date: 08/20/24

Air Canister Certification Results

Lab ID: L2442615-03
Client ID: CAN 3963 SHELF 61
Sample Location:

Date Collected: 07/29/24 12:00
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/30/24 18:26
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: L2442615
Report Date: 08/20/24

Air Canister Certification Results

Lab ID: L2442615-03
Client ID: CAN 3963 SHELF 61
Sample Location:

Date Collected: 07/29/24 12:00
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								
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
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		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: L2442615
Report Date: 08/20/24

Air Canister Certification Results

Lab ID: L2442615-03
Client ID: CAN 3963 SHELF 61
Sample Location:

Date Collected: 07/29/24 12:00
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								
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: L2442615
Report Date: 08/20/24

Air Canister Certification Results

Lab ID: L2442615-03
Client ID: CAN 3963 SHELF 61
Sample Location:

Date Collected: 07/29/24 12:00
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								
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: L2442615
Report Date: 08/20/24

Air Canister Certification Results

Lab ID: L2442615-03
Client ID: CAN 3963 SHELF 61
Sample Location:

Date Collected: 07/29/24 12:00
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								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2442615
Report Date: 08/20/24

Air Canister Certification Results

Lab ID: L2442615-03
Client ID: CAN 3963 SHELF 61
Sample Location:

Date Collected: 07/29/24 12:00
Date Received: 07/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/30/24 18:26
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: L2442615
Report Date: 08/20/24

Air Canister Certification Results

Lab ID: L2442615-03
Client ID: CAN 3963 SHELF 61
Sample Location:

Date Collected: 07/29/24 12:00
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 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:** L2442615

Project Number: CANISTER QC BAT **Report Date:** 08/20/24

Air Canister Certification Results

Lab ID: L2442615-03
Client ID: CAN 3963 SHELF 61
Sample Location:

Date Collected: 07/29/24 12:00
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 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	100		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	99		60-140

Project Name: RIVER AVE BRONX, NY
Project Number: 13740:2

Lab Number: L2445913
Report Date: 08/20/24

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(*)
L2445913-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2445913-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2445913-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2445913-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	RIVER AVE BRONX, NY	**Lab Number:**	L2445913
Project Number:	13740:2	**Report Date:**	08/20/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445913
Project Number:	13740:2	**Report Date:**	08/20/24

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:	RIVER AVE BRONX, NY	**Lab Number:**	L2445913
Project Number:	13740:2	**Report Date:**	08/20/24

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: 8/14/24

ALPHA Job #: L2445913

Client Information

Client: SESI
Address: 959 US 46 F135300
Parsippany NJ 07054
Phone: 973 808 9050
Fax:
Email: Sheng.long@sesi.org
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: River Ave Bronx, NY
Project Location: ~~13740:2~~ 1140 River Ave Bronx, NY
Project #: 13740:2
Project Manager: Sheng Long
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5day Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(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	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
45913-01	SV-1	8/13/24	900	1100	29.97	3.48	SV	CB	6L	704	795	✓						
02	SV-2	↓	902	1102	29.69	4.93	↓	CB	↓	2955	0953	✓						
03	SV-3	↓	904	1104	30.01	5.64	↓	CB	↓	2752	1136	✓						

*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:
Price	8/13/24 19:25	Price	8/13/24 18:10
	8/14/24 0040		8/14/24 0145

Form No: 101-02 Rev: (25-Sep-15)

ANALYTICAL REPORT

Lab Number:	L2453181
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	Sheng Long
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	13740:5
Report Date:	09/25/24

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

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

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2453181-01	SB-101 (3-3.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 08:58	09/17/24
L2453181-02	SB-102 (2-2.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 09:34	09/17/24
L2453181-03	SB-103 (4-4.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 09:45	09/17/24
L2453181-04	SB-104 (3-3.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 09:08	09/17/24
L2453181-05	SB-105 (2.5-3)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 09:18	09/17/24
L2453181-06	SB-106 (8-8.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 10:00	09/17/24
L2453181-07	SB-107 (7.5-8)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 10:12	09/17/24
L2453181-08	SB-108 (4-4.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 10:28	09/17/24
L2453181-09	SB-109 (4-4.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 10:43	09/17/24
L2453181-10	SB-110 (2-2.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 10:56	09/17/24
L2453181-11	SB-111 (2-2.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 11:54	09/17/24
L2453181-12	SB-112 (3-3.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 11:08	09/17/24
L2453181-13	SB-113 (3-3.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 11:29	09/17/24
L2453181-14	SB-114 (4-4.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 11:44	09/17/24
L2453181-15	SB-115 (4.5-5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 13:26	09/17/24
L2453181-16	SB-116 (3.5-4)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 12:12	09/17/24
L2453181-17	SB-117 (2-2.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 12:37	09/17/24
L2453181-18	SB-118 (2-2.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 13:00	09/17/24
L2453181-19	SB-119 (3-3.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 12:24	09/17/24
L2453181-20	SB-120 (2.5-3)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 13:19	09/17/24
L2453181-21	SB-121 (3.5-4)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 13:34	09/17/24
L2453181-22	SB-122 (4-4.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 13:44	09/17/24
L2453181-23	SB-123 (4-4.5)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 13:51	09/17/24
L2453181-24	SB-124 (2.5-3)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 14:04	09/17/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2453181-25	SB-125 (3.5-4)	SOIL	1140 RIVER AVE. BRONX NY	09/16/24 14:14	09/17/24

Project Name:	Not Specified	**Lab Number:**	L2453181
Project Number:	13740:5	**Report Date:**	09/25/24

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: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Case Narrative (continued)

Report Submission

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

Total Metals

L2453181-01 through -25: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1973526-3 MS recoveries for aluminum (0%), iron (0%), and manganese (0%), performed on L2453181-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1973526-3 MS recovery, performed on L2453181-01, is outside the acceptance criteria for antimony (68%). A post digestion spike was performed and was within acceptance criteria.

The WG1973526-3 MS recovery, performed on L2453181-01, is outside the acceptance criteria for zinc (59%). A post digestion spike was performed and yielded an unacceptable recovery of 71%. The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1973526-4 Laboratory Duplicate RPDs for barium (41%), calcium (24%), copper (47%), lead (37%), manganese (25%), and zinc (57%), performed on L2453181-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

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: 09/25/24

ORGANICS

VOLATILES

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05
Client ID: SB-105 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:18
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/24/24 15:23
Analyst: LAC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	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	0.14	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	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.49	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05 Date Collected: 09/16/24 09:18

Client ID: SB-105 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.55	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	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	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	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	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	0.55	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	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	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	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05 Date Collected: 09/16/24 09:18

Client ID: SB-105 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	87	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1
Tentatively Identified Compounds						
Total TIC Compounds	3.14	J	ug/kg			1
Unknown	3.14	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**134**	Q	70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	121		70-130

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06
Client ID: SB-106 (8-8.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:00
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/24/24 15:49
Analyst: LAC
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.0	3.2	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.1	0.20	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.18	1
Dibromochloromethane	ND		ug/kg	1.4	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.38	1
Tetrachloroethene	ND		ug/kg	0.70	0.28	1
Chlorobenzene	ND		ug/kg	0.70	0.18	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.98	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.36	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	0.23	1
Bromodichloromethane	ND		ug/kg	0.70	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.70	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.70	0.22	1
Bromoform	ND		ug/kg	5.6	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	0.23	1
Benzene	ND		ug/kg	0.70	0.23	1
Toluene	ND		ug/kg	1.4	0.76	1
Ethylbenzene	ND		ug/kg	1.4	0.20	1
Chloromethane	ND		ug/kg	5.6	1.3	1
Bromomethane	ND		ug/kg	2.8	0.82	1
Vinyl chloride	ND		ug/kg	1.4	0.47	1
Chloroethane	ND		ug/kg	2.8	0.64	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.19	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06 Date Collected: 09/16/24 10:00

Client ID: SB-106 (8-8.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.70	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	0.24	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.28	1
p/m-Xylene	ND		ug/kg	2.8	0.79	1
o-Xylene	ND		ug/kg	1.4	0.41	1
Xylenes, Total	ND		ug/kg	1.4	0.41	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.25	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	2.8	0.33	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	14	1.3	1
Acetone	ND		ug/kg	14	6.8	1
Carbon disulfide	ND		ug/kg	14	6.4	1
2-Butanone	ND		ug/kg	14	3.1	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	0.18	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.8	0.29	1
2,2-Dichloropropane	ND		ug/kg	2.8	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.39	1
1,3-Dichloropropane	ND		ug/kg	2.8	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.70	0.18	1
Bromobenzene	ND		ug/kg	2.8	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	2.8	0.16	1
o-Chlorotoluene	ND		ug/kg	2.8	0.27	1
p-Chlorotoluene	ND		ug/kg	2.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.24	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.6	0.91	1
Acrylonitrile	ND		ug/kg	5.6	1.6	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06 Date Collected: 09/16/24 10:00

Client ID: SB-106 (8-8.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	0.38	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	0.27	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	0.47	1
1,4-Dioxane	ND		ug/kg	110	49.	1
p-Diethylbenzene	ND		ug/kg	2.8	0.25	1
p-Ethyltoluene	ND		ug/kg	2.8	0.54	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.27	1
Ethyl ether	ND		ug/kg	2.8	0.48	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	2.0	1
Tentatively Identified Compounds						
Total TIC Compounds	3.53	J	ug/kg			1
Unknown	3.53	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	122		70-130

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13
Client ID: SB-113 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:29
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/24/24 16:15
Analyst: LAC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	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	0.14	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	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.49	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13 Date Collected: 09/16/24 11:29

Client ID: SB-113 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.55	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	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	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	1.0	1
Acetone	10	J	ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	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	0.55	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	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	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	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.2	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13 Date Collected: 09/16/24 11:29

Client ID: SB-113 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	88	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1
Tentatively Identified Compounds						
Total TIC Compounds	3.12	J	ug/kg			1
Unknown	3.12	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**139**	Q	70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	130		70-130

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19
Client ID: SB-119 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:24
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/25/24 00:04
Analyst: JIC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19 Date Collected: 09/16/24 12:24

Client ID: SB-119 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.19	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	0.54	J	ug/kg	0.93	0.27	1
Xylenes, Total	0.54	J	ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	0.60	J	ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	28		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	6.1	J	ug/kg	9.3	2.0	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.93	0.15	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	0.58	J	ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19 Date Collected: 09/16/24 12:24

Client ID: SB-119 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	74	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23
Client ID: SB-123 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:51
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/24/24 17:07
Analyst: LAC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23 Date Collected: 09/16/24 13:51

Client ID: SB-123 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.47	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	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	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	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	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	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23 Date Collected: 09/16/24 13:51

Client ID: SB-123 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	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	0.31	1
1,4-Dioxane	ND		ug/kg	75	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	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	2.66	J	ug/kg			1
Unknown	2.66	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**133**	Q	70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	119		70-130

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/24/24 11:29
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05-06,13,23 Batch: WG1975702-5					
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: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/24/24 11:29
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05-06,13,23 Batch: WG1975702-5					
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: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/24/24 11:29
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05-06,13,23 Batch: WG1975702-5					
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					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/24/24 11:29
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 05-06,13,23 Batch: WG1975702-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	110		70-130

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/24/24 23:38
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19 Batch: WG1976142-5					
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: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/24/24 23:38
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19 Batch: WG1976142-5					
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	0.56	J	ug/kg	2.0	0.56
o-Xylene	0.57	J	ug/kg	1.0	0.29
Xylenes, Total	1.1	J	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: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/24/24 23:38
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19 Batch: WG1976142-5					
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					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/24/24 23:38
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 19 Batch: WG1976142-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05-06,13,23 Batch: WG1975702-3 WG1975702-4								
Methylene chloride	100		94		70-130	6		30
1,1-Dichloroethane	100		94		70-130	6		30
Chloroform	102		97		70-130	5		30
Carbon tetrachloride	106		100		70-130	6		30
1,2-Dichloropropane	94		91		70-130	3		30
Dibromochloromethane	100		97		70-130	3		30
1,1,2-Trichloroethane	96		93		70-130	3		30
Tetrachloroethene	113		108		70-130	5		30
Chlorobenzene	100		96		70-130	4		30
Trichlorofluoromethane	**153**	Q	**143**	Q	70-139	7		30
1,2-Dichloroethane	104		99		70-130	5		30
1,1,1-Trichloroethane	113		105		70-130	7		30
Bromodichloromethane	100		96		70-130	4		30
trans-1,3-Dichloropropene	96		93		70-130	3		30
cis-1,3-Dichloropropene	95		92		70-130	3		30
1,1-Dichloropropene	109		102		70-130	7		30
Bromoform	98		96		70-130	2		30
1,1,2,2-Tetrachloroethane	91		90		70-130	1		30
Benzene	100		94		70-130	6		30
Toluene	102		97		70-130	5		30
Ethylbenzene	100		95		70-130	5		30
Chloromethane	110		100		52-130	10		30
Bromomethane	**204**	Q	**188**	Q	57-147	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05-06,13,23 Batch: WG1975702-3 WG1975702-4								
Vinyl chloride	126		118		67-130	7		30
Chloroethane	148		137		50-151	8		30
1,1-Dichloroethene	102		93		65-135	9		30
trans-1,2-Dichloroethene	100		94		70-130	6		30
Trichloroethene	101		96		70-130	5		30
1,2-Dichlorobenzene	99		95		70-130	4		30
1,3-Dichlorobenzene	104		100		70-130	4		30
1,4-Dichlorobenzene	100		97		70-130	3		30
Methyl tert butyl ether	102		99		66-130	3		30
p/m-Xylene	105		99		70-130	6		30
o-Xylene	103		98		70-130	5		30
cis-1,2-Dichloroethene	97		92		70-130	5		30
Dibromomethane	98		95		70-130	3		30
Styrene	111		106		70-130	5		30
Dichlorodifluoromethane	90		82		30-146	9		30
Acetone	88		84		54-140	5		30
Carbon disulfide	95		89		59-130	7		30
2-Butanone	84		83		70-130	1		30
Vinyl acetate	**143**	Q	**136**	Q	70-130	5		30
4-Methyl-2-pentanone	87		83		70-130	5		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	80		81		70-130	1		30
Bromochloromethane	100		98		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05-06,13,23 Batch: WG1975702-3 WG1975702-4								
2,2-Dichloropropane	106		98		70-130	8		30
1,2-Dibromoethane	99		95		70-130	4		30
1,3-Dichloropropane	94		92		69-130	2		30
1,1,1,2-Tetrachloroethane	103		100		70-130	3		30
Bromobenzene	92		89		70-130	3		30
n-Butylbenzene	110		103		70-130	7		30
sec-Butylbenzene	102		96		70-130	6		30
tert-Butylbenzene	97		91		70-130	6		30
o-Chlorotoluene	97		93		70-130	4		30
p-Chlorotoluene	98		92		70-130	6		30
1,2-Dibromo-3-chloropropane	83		88		68-130	6		30
Hexachlorobutadiene	101		98		67-130	3		30
Isopropylbenzene	96		90		70-130	6		30
p-Isopropyltoluene	102		95		70-130	7		30
Naphthalene	84		83		70-130	1		30
Acrylonitrile	101		95		70-130	6		30
n-Propylbenzene	99		93		70-130	6		30
1,2,3-Trichlorobenzene	96		96		70-130	0		30
1,2,4-Trichlorobenzene	101		99		70-130	2		30
1,3,5-Trimethylbenzene	99		93		70-130	6		30
1,2,4-Trimethylbenzene	95		91		70-130	4		30
1,4-Dioxane	82		82		65-136	0		30
p-Diethylbenzene	101		95		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 05-06,13,23 Batch: WG1975702-3 WG1975702-4								
p-Ethyltoluene	97		91		70-130	6		30
1,2,4,5-Tetramethylbenzene	92		88		70-130	4		30
Ethyl ether	105		99		67-130	6		30
trans-1,4-Dichloro-2-butene	109		106		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	85		83		70-130
Dibromofluoromethane	112		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19 Batch: WG1976142-3 WG1976142-4								
Methylene chloride	82		83		70-130	1		30
1,1-Dichloroethane	86		87		70-130	1		30
Chloroform	83		83		70-130	0		30
Carbon tetrachloride	85		87		70-130	2		30
1,2-Dichloropropane	91		93		70-130	2		30
Dibromochloromethane	98		101		70-130	3		30
1,1,2-Trichloroethane	84		89		70-130	6		30
Tetrachloroethene	78		79		70-130	1		30
Chlorobenzene	88		90		70-130	2		30
Trichlorofluoromethane	77		78		70-139	1		30
1,2-Dichloroethane	81		82		70-130	1		30
1,1,1-Trichloroethane	84		84		70-130	0		30
Bromodichloromethane	86		87		70-130	1		30
trans-1,3-Dichloropropene	87		90		70-130	3		30
cis-1,3-Dichloropropene	82		83		70-130	1		30
1,1-Dichloropropene	76		77		70-130	1		30
Bromoform	85		89		70-130	5		30
1,1,2,2-Tetrachloroethane	84		88		70-130	5		30
Benzene	85		86		70-130	1		30
Toluene	85		87		70-130	2		30
Ethylbenzene	83		85		70-130	2		30
Chloromethane	84		82		52-130	2		30
Bromomethane	**53**	Q	**53**	Q	57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19 Batch: WG1976142-3 WG1976142-4								
Vinyl chloride	68		68		67-130	0		30
Chloroethane	74		75		50-151	1		30
1,1-Dichloroethene	76		76		65-135	0		30
trans-1,2-Dichloroethene	84		83		70-130	1		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	87		90		70-130	3		30
1,3-Dichlorobenzene	86		89		70-130	3		30
1,4-Dichlorobenzene	86		88		70-130	2		30
Methyl tert butyl ether	98		101		66-130	3		30
p/m-Xylene	81		83		70-130	2		30
o-Xylene	80		82		70-130	2		30
cis-1,2-Dichloroethene	85		86		70-130	1		30
Dibromomethane	89		91		70-130	2		30
Styrene	81		83		70-130	2		30
Dichlorodifluoromethane	53		53		30-146	0		30
Acetone	98		102		54-140	4		30
Carbon disulfide	76		75		59-130	1		30
2-Butanone	109		112		70-130	3		30
Vinyl acetate	116		121		70-130	4		30
4-Methyl-2-pentanone	92		98		70-130	6		30
1,2,3-Trichloropropane	80		85		68-130	6		30
2-Hexanone	106		115		70-130	8		30
Bromochloromethane	96		100		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19 Batch: WG1976142-3 WG1976142-4								
2,2-Dichloropropane	81		80		70-130	1		30
1,2-Dibromoethane	92		97		70-130	5		30
1,3-Dichloropropane	88		91		69-130	3		30
1,1,1,2-Tetrachloroethane	89		92		70-130	3		30
Bromobenzene	86		88		70-130	2		30
n-Butylbenzene	85		87		70-130	2		30
sec-Butylbenzene	86		88		70-130	2		30
tert-Butylbenzene	87		89		70-130	2		30
o-Chlorotoluene	82		85		70-130	4		30
p-Chlorotoluene	83		85		70-130	2		30
1,2-Dibromo-3-chloropropane	92		97		68-130	5		30
Hexachlorobutadiene	73		74		67-130	1		30
Isopropylbenzene	80		82		70-130	2		30
p-Isopropyltoluene	81		83		70-130	2		30
Naphthalene	98		103		70-130	5		30
Acrylonitrile	117		122		70-130	4		30
n-Propylbenzene	83		85		70-130	2		30
1,2,3-Trichlorobenzene	86		89		70-130	3		30
1,2,4-Trichlorobenzene	90		92		70-130	2		30
1,3,5-Trimethylbenzene	87		89		70-130	2		30
1,2,4-Trimethylbenzene	85		87		70-130	2		30
1,4-Dioxane	92		97		65-136	5		30
p-Diethylbenzene	85		87		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 19 Batch: WG1976142-3 WG1976142-4								
p-Ethyltoluene	87		89		70-130	2		30
1,2,4,5-Tetramethylbenzene	91		94		70-130	3		30
Ethyl ether	103		104		67-130	1		30
trans-1,4-Dichloro-2-butene	105		111		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		91		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	105		104		70-130

SEMIVOLATILES

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-01
Client ID: SB-101 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 08:58
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 13:26
Analyst: SLR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

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	190		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	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	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-01 Date Collected: 09/16/24 08:58

Client ID: SB-101 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	85	J	ug/kg	110	21.	1
Benzo(a)pyrene	86	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	110		ug/kg	110	32.	1
Benzo(k)fluoranthene	41	J	ug/kg	110	30.	1
Chrysene	80	J	ug/kg	110	19.	1
Acenaphthylene	30	J	ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	62	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	64	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	63	J	ug/kg	150	26.	1
Pyrene	140		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	77.	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	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	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-01 Date Collected: 09/16/24 08:58

Client ID: SB-101 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	445	J	ug/kg			1
Unknown	218	J	ug/kg			1
Unknown	227	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	84		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-02
Client ID: SB-102 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:34
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 13:50
Analyst: SLR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	270		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-02 Date Collected: 09/16/24 09:34

Client ID: SB-102 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	150		ug/kg	100	20.	1
Benzo(a)pyrene	160		ug/kg	140	43.	1
Benzo(b)fluoranthene	210		ug/kg	100	29.	1
Benzo(k)fluoranthene	76	J	ug/kg	100	28.	1
Chrysene	140		ug/kg	100	18.	1
Acenaphthylene	36	J	ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	120	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	74	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	140	24.	1
Pyrene	230		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-02 Date Collected: 09/16/24 09:34

Client ID: SB-102 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
Total TIC Compounds	1050	J	ug/kg			1
Unknown	521	J	ug/kg			1
Unknown	527	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	90		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-03
Client ID: SB-103 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:45
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 14:14
Analyst: SLR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	42	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-03 Date Collected: 09/16/24 09:45

Client ID: SB-103 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	21	J	ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	20	J	ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	34	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-03 Date Collected: 09/16/24 09:45

Client ID: SB-103 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
Total TIC Compounds	375	J	ug/kg			1
Unknown	173	J	ug/kg			1
Unknown	202	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	80		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-04
Client ID: SB-104 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:08
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 14:38
Analyst: SLR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	92	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-04 Date Collected: 09/16/24 09:08

Client ID: SB-104 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	44	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	54	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	39	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	32	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	27	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	33	J	ug/kg	140	25.	1
Pyrene	68	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-04 Date Collected: 09/16/24 09:08

Client ID: SB-104 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	587	J	ug/kg			1
Unknown	318	J	ug/kg			1
Unknown	269	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	81		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05
Client ID: SB-105 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:18
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 15:02
Analyst: SLR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

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	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	35.	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	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	340		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05 Date Collected: 09/16/24 09:18

Client ID: SB-105 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	41.	1
Benzo(a)anthracene	170		ug/kg	120	22.	1
Benzo(a)pyrene	170		ug/kg	160	47.	1
Benzo(b)fluoranthene	220		ug/kg	120	33.	1
Benzo(k)fluoranthene	68	J	ug/kg	120	31.	1
Chrysene	150		ug/kg	120	20.	1
Acenaphthylene	61	J	ug/kg	160	30.	1
Anthracene	55	J	ug/kg	120	38.	1
Benzo(ghi)perylene	120	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	120		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	29	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	160	27.	1
Pyrene	290		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05 Date Collected: 09/16/24 09:18

Client ID: SB-105 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	29	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1
Tentatively Identified Compounds						
Total TIC Compounds	156	J	ug/kg			1
Unknown	156	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	74		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06
Client ID: SB-106 (8-8.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:00
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 15:26
Analyst: SLR
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	26.	1
Hexachlorobenzene	ND		ug/kg	140	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	230	22.	1
1,2-Dichlorobenzene	ND		ug/kg	230	41.	1
1,3-Dichlorobenzene	ND		ug/kg	230	39.	1
1,4-Dichlorobenzene	ND		ug/kg	230	40.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	60.	1
2,4-Dinitrotoluene	ND		ug/kg	230	45.	1
2,6-Dinitrotoluene	ND		ug/kg	230	39.	1
Fluoranthene	ND		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	39.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	23.	1
Hexachlorobutadiene	ND		ug/kg	230	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	200	1
Hexachloroethane	ND		ug/kg	180	37.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	200	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	78.	1
Butyl benzyl phthalate	ND		ug/kg	230	57.	1
Di-n-butylphthalate	ND		ug/kg	230	43.	1
Di-n-octylphthalate	ND		ug/kg	230	77.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06 Date Collected: 09/16/24 10:00

Client ID: SB-106 (8-8.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	48.	1
Benzo(a)anthracene	ND		ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	180	55.	1
Benzo(b)fluoranthene	ND		ug/kg	140	38.	1
Benzo(k)fluoranthene	ND		ug/kg	140	36.	1
Chrysene	ND		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	180	35.	1
Anthracene	ND		ug/kg	140	44.	1
Benzo(ghi)perylene	ND		ug/kg	180	27.	1
Fluorene	ND		ug/kg	230	22.	1
Phenanthrene	ND		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	32.	1
Pyrene	ND		ug/kg	140	22.	1
Biphenyl	ND		ug/kg	520	29.	1
4-Chloroaniline	ND		ug/kg	230	41.	1
2-Nitroaniline	ND		ug/kg	230	44.	1
3-Nitroaniline	ND		ug/kg	230	43.	1
4-Nitroaniline	ND		ug/kg	230	94.	1
Dibenzofuran	ND		ug/kg	230	21.	1
2-Methylnaphthalene	ND		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	230	75.	1
2-Nitrophenol	ND		ug/kg	490	85.	1
4-Nitrophenol	ND		ug/kg	320	92.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	230	34.	1
2-Methylphenol	ND		ug/kg	230	35.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	35.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06 Date Collected: 09/16/24 10:00

Client ID: SB-106 (8-8.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	230	43.	1
Benzoic Acid	ND		ug/kg	730	230	1
Benzyl Alcohol	ND		ug/kg	230	69.	1
Carbazole	ND		ug/kg	230	22.	1
1,4-Dioxane	ND		ug/kg	34	10.	1
Tentatively Identified Compounds						
Total TIC Compounds	195	J	ug/kg			1
Unknown	195	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	79		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-07
Client ID: SB-107 (7.5-8)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:12
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 15:50
Analyst: SLR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

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	540		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	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	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-07 Date Collected: 09/16/24 10:12

Client ID: SB-107 (7.5-8) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	40.	1
Benzo(a)anthracene	250		ug/kg	110	21.	1
Benzo(a)pyrene	260		ug/kg	150	46.	1
Benzo(b)fluoranthene	360		ug/kg	110	32.	1
Benzo(k)fluoranthene	130		ug/kg	110	30.	1
Chrysene	250		ug/kg	110	20.	1
Acenaphthylene	120	J	ug/kg	150	29.	1
Anthracene	81	J	ug/kg	110	37.	1
Benzo(ghi)perylene	200		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	160		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	45	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	150	26.	1
Pyrene	430		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	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	160	J	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	360		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-07 Date Collected: 09/16/24 10:12

Client ID: SB-107 (7.5-8) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	50	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1
Tentatively Identified Compounds						
Total TIC Compounds	3290	J	ug/kg			1
Unknown PAH	233	J	ug/kg			1
Unknown	204	J	ug/kg			1
Unknown	354	J	ug/kg			1
Unknown	158	J	ug/kg			1
Unknown	984	J	ug/kg			1
Unknown	272	J	ug/kg			1
Unknown	197	J	ug/kg			1
Unknown	519	J	ug/kg			1
Unknown	159	J	ug/kg			1
Unknown	212	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	73		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-08
Client ID: SB-108 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:28
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 16:14
Analyst: SLR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

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: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-08 Date Collected: 09/16/24 10:28

Client ID: SB-108 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	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: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-08 Date Collected: 09/16/24 10:28

Client ID: SB-108 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	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	65		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	84		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-09
Client ID: SB-109 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:43
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 16:38
Analyst: SLR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

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	35.	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	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	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	180	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-09 Date Collected: 09/16/24 10:43

Client ID: SB-109 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-09 Date Collected: 09/16/24 10:43

Client ID: SB-109 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	75		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-10
Client ID: SB-110 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:56
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 17:02
Analyst: SLR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

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	62	J	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	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	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-10 Date Collected: 09/16/24 10:56

Client ID: SB-110 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	32	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	44	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	32	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	26	J	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	55	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	77.	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	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	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-10 Date Collected: 09/16/24 10:56

Client ID: SB-110 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	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	71		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	72		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-11
Client ID: SB-111 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:54
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 17:26
Analyst: SLR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	340		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	8100	E	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	190		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-11 Date Collected: 09/16/24 11:54

Client ID: SB-111 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	5300		ug/kg	100	19.	1
Benzo(a)pyrene	5100		ug/kg	140	42.	1
Benzo(b)fluoranthene	6800		ug/kg	100	29.	1
Benzo(k)fluoranthene	1700		ug/kg	100	27.	1
Chrysene	4800		ug/kg	100	18.	1
Acenaphthylene	450		ug/kg	140	26.	1
Anthracene	1100		ug/kg	100	33.	1
Benzo(ghi)perylene	3500		ug/kg	140	20.	1
Fluorene	260		ug/kg	170	17.	1
Phenanthrene	3800		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	870		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	3700		ug/kg	140	24.	1
Pyrene	7100	E	ug/kg	100	17.	1
Biphenyl	29	J	ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	140	J	ug/kg	170	16.	1
2-Methylnaphthalene	98	J	ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-11 Date Collected: 09/16/24 11:54

Client ID: SB-111 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	240		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
Total TIC Compounds	21000	J	ug/kg			1
Unknown PAH	3790	J	ug/kg			1
Unknown PAH	1460	J	ug/kg			1
Unknown PAH	1540	J	ug/kg			1
Unknown	720	J	ug/kg			1
Unknown PAH	1000	J	ug/kg			1
Unknown PAH	1100	J	ug/kg			1
Unknown	1090	J	ug/kg			1
Unknown PAH	1140	J	ug/kg			1
Unknown	1240	J	ug/kg			1
Unknown PAH	1100	J	ug/kg			1
Unknown PAH	706	J	ug/kg			1
Unknown PAH	1410	J	ug/kg			1
Unknown PAH	1910	J	ug/kg			1
Unknown	1670	J	ug/kg			1
Unknown PAH	1170	J	ug/kg			1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-11 Date Collected: 09/16/24 11:54

Client ID: SB-111 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	68		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-11 D
Client ID: SB-111 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:54
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/24/24 13:39
Analyst: JG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	10000		ug/kg	510	98.	5
Pyrene	9700		ug/kg	510	85.	5

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-12
Client ID: SB-112 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:08
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 17:50
Analyst: SLR
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

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	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	35.	1
Fluoranthene	57	J	ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	71.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-12 Date Collected: 09/16/24 11:08

Client ID: SB-112 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	43.	1
Benzo(a)anthracene	36	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	52	J	ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	36	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	27	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	30	J	ug/kg	160	29.	1
Pyrene	53	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-12 Date Collected: 09/16/24 11:08

Client ID: SB-112 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	69		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13
Client ID: SB-113 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:29
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 18:13
Analyst: SLR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	39	J	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	33.	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	49.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	920		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	25	J	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	64.	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13 Date Collected: 09/16/24 11:29

Client ID: SB-113 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	450		ug/kg	110	21.	1
Benzo(a)pyrene	480		ug/kg	150	45.	1
Benzo(b)fluoranthene	620		ug/kg	110	31.	1
Benzo(k)fluoranthene	170		ug/kg	110	30.	1
Chrysene	460		ug/kg	110	19.	1
Acenaphthylene	120	J	ug/kg	150	29.	1
Anthracene	110		ug/kg	110	36.	1
Benzo(ghi)perylene	330		ug/kg	150	22.	1
Fluorene	35	J	ug/kg	190	18.	1
Phenanthrene	360		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	76	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	340		ug/kg	150	26.	1
Pyrene	840		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	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13 Date Collected: 09/16/24 11:29

Client ID: SB-113 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	38	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	765	J	ug/kg			1
Unknown PAH	368	J	ug/kg			1
Unknown PAH	228	J	ug/kg			1
Unknown PAH	169	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	83		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-14
Client ID: SB-114 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:44
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 18:37
Analyst: SLR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	3800		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	160	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-14 Date Collected: 09/16/24 11:44

Client ID: SB-114 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	1900		ug/kg	110	20.	1
Benzo(a)pyrene	1900		ug/kg	140	44.	1
Benzo(b)fluoranthene	2500		ug/kg	110	30.	1
Benzo(k)fluoranthene	650		ug/kg	110	29.	1
Chrysene	1900		ug/kg	110	19.	1
Acenaphthylene	210		ug/kg	140	28.	1
Anthracene	460		ug/kg	110	35.	1
Benzo(ghi)perylene	1400		ug/kg	140	21.	1
Fluorene	140	J	ug/kg	180	17.	1
Phenanthrene	2100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	310		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1300		ug/kg	140	25.	1
Pyrene	3300		ug/kg	110	18.	1
Biphenyl	26	J	ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	98	J	ug/kg	180	17.	1
2-Methylnaphthalene	79	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-14 Date Collected: 09/16/24 11:44

Client ID: SB-114 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	190		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	6370	J	ug/kg			1
Unknown PAH	556	J	ug/kg			1
Unknown	443	J	ug/kg			1
Unknown PAH	294	J	ug/kg			1
Unknown	205	J	ug/kg			1
Unknown PAH	350	J	ug/kg			1
Unknown	246	J	ug/kg			1
Unknown	828	J	ug/kg			1
Unknown	174	J	ug/kg			1
Unknown	175	J	ug/kg			1
Unknown PAH	410	J	ug/kg			1
Unknown	662	J	ug/kg			1
Unknown Ketone	192	J	ug/kg			1
Unknown PAH	1390	J	ug/kg			1
Unknown	213	J	ug/kg			1
Unknown PAH	234	J	ug/kg			1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-14 Date Collected: 09/16/24 11:44

Client ID: SB-114 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	66		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-15
Client ID: SB-115 (4.5-5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:26
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 19:01
Analyst: SLR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	44	J	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	33.	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	3000		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	38	J	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	180	J	ug/kg	190	64.	1
Butyl benzyl phthalate	74	J	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-15 Date Collected: 09/16/24 13:26

Client ID: SB-115 (4.5-5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	1400		ug/kg	110	21.	1
Benzo(a)pyrene	1300		ug/kg	150	45.	1
Benzo(b)fluoranthene	1800		ug/kg	110	31.	1
Benzo(k)fluoranthene	620		ug/kg	110	30.	1
Chrysene	1400		ug/kg	110	19.	1
Acenaphthylene	320		ug/kg	150	29.	1
Anthracene	400		ug/kg	110	36.	1
Benzo(ghi)perylene	880		ug/kg	150	22.	1
Fluorene	100	J	ug/kg	190	18.	1
Phenanthrene	1400		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	230		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	960		ug/kg	150	26.	1
Pyrene	2300		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	44	J	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	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-15 Date Collected: 09/16/24 13:26

Client ID: SB-115 (4.5-5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	240		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	3390	J	ug/kg			1
Unknown	263	J	ug/kg			1
Unknown PAH	303	J	ug/kg			1
Unknown	583	J	ug/kg			1
Unknown PAH	158	J	ug/kg			1
Unknown	210	J	ug/kg			1
Unknown PAH	1080	J	ug/kg			1
Unknown	188	J	ug/kg			1
Unknown PAH	403	J	ug/kg			1
Unknown PAH	203	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	63		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-16
Client ID: SB-116 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:12
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 19:25
Analyst: SLR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	89	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	3000		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	73	J	ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-16 Date Collected: 09/16/24 12:12

Client ID: SB-116 (3.5-4) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	1400		ug/kg	100	20.	1
Benzo(a)pyrene	1400		ug/kg	140	43.	1
Benzo(b)fluoranthene	1800		ug/kg	100	30.	1
Benzo(k)fluoranthene	470		ug/kg	100	28.	1
Chrysene	1300		ug/kg	100	18.	1
Acenaphthylene	150		ug/kg	140	27.	1
Anthracene	350		ug/kg	100	34.	1
Benzo(ghi)perylene	1100		ug/kg	140	21.	1
Fluorene	86	J	ug/kg	180	17.	1
Phenanthrene	1300		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	260		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	140	24.	1
Pyrene	2800		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	42	J	ug/kg	180	17.	1
2-Methylnaphthalene	32	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-16 Date Collected: 09/16/24 12:12

Client ID: SB-116 (3.5-4) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	100	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1
Tentatively Identified Compounds						
Total TIC Compounds	4570	J	ug/kg			1
Unknown PAH	185	J	ug/kg			1
Unknown PAH	1140	J	ug/kg			1
Unknown	173	J	ug/kg			1
Unknown	238	J	ug/kg			1
Unknown	293	J	ug/kg			1
Unknown PAH	147	J	ug/kg			1
Unknown	213	J	ug/kg			1
Unknown	484	J	ug/kg			1
Unknown	431	J	ug/kg			1
Unknown Amide	167	J	ug/kg			1
Unknown	144	J	ug/kg			1
Unknown PAH	372	J	ug/kg			1
Unknown	258	J	ug/kg			1
Unknown PAH	326	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	69		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-17
Client ID: SB-117 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:37
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 19:49
Analyst: SLR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	340		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-17 Date Collected: 09/16/24 12:37

Client ID: SB-117 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	170		ug/kg	110	20.	1
Benzo(a)pyrene	170		ug/kg	140	44.	1
Benzo(b)fluoranthene	220		ug/kg	110	30.	1
Benzo(k)fluoranthene	66	J	ug/kg	110	29.	1
Chrysene	160		ug/kg	110	19.	1
Acenaphthylene	40	J	ug/kg	140	28.	1
Anthracene	48	J	ug/kg	110	35.	1
Benzo(ghi)perylene	120	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	140		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	29	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	140	25.	1
Pyrene	290		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-17 Date Collected: 09/16/24 12:37

Client ID: SB-117 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	18	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	67		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-18
Client ID: SB-118 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:00
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 20:13
Analyst: SLR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

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	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	380		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-18 Date Collected: 09/16/24 13:00

Client ID: SB-118 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	190		ug/kg	110	21.	1
Benzo(a)pyrene	190		ug/kg	150	45.	1
Benzo(b)fluoranthene	260		ug/kg	110	31.	1
Benzo(k)fluoranthene	74	J	ug/kg	110	29.	1
Chrysene	180		ug/kg	110	19.	1
Acenaphthylene	76	J	ug/kg	150	28.	1
Anthracene	60	J	ug/kg	110	36.	1
Benzo(ghi)perylene	140	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	140		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	32	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	150	26.	1
Pyrene	320		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-18 Date Collected: 09/16/24 13:00

Client ID: SB-118 (2-2.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	29	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	161	J	ug/kg			1
Unknown PAH	161	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	76		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19
Client ID: SB-119 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:24
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 20:37
Analyst: SLR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	660		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	47	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19 Date Collected: 09/16/24 12:24

Client ID: SB-119 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	340		ug/kg	110	21.	1
Benzo(a)pyrene	350		ug/kg	150	45.	1
Benzo(b)fluoranthene	430		ug/kg	110	31.	1
Benzo(k)fluoranthene	140		ug/kg	110	29.	1
Chrysene	310		ug/kg	110	19.	1
Acenaphthylene	65	J	ug/kg	150	28.	1
Anthracene	84	J	ug/kg	110	36.	1
Benzo(ghi)perylene	240		ug/kg	150	22.	1
Fluorene	28	J	ug/kg	180	18.	1
Phenanthrene	190		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	55	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	240		ug/kg	150	26.	1
Pyrene	580		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19 Date Collected: 09/16/24 12:24

Client ID: SB-119 (3-3.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	23	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	275	J	ug/kg			1
Unknown PAH	275	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	67		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-20
Client ID: SB-120 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:19
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 21:01
Analyst: SLR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	200		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	6000		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	120	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-20 Date Collected: 09/16/24 13:19

Client ID: SB-120 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	3000		ug/kg	110	21.	1
Benzo(a)pyrene	2800		ug/kg	150	45.	1
Benzo(b)fluoranthene	3400		ug/kg	110	31.	1
Benzo(k)fluoranthene	1100		ug/kg	110	29.	1
Chrysene	2700		ug/kg	110	19.	1
Acenaphthylene	260		ug/kg	150	28.	1
Anthracene	870		ug/kg	110	36.	1
Benzo(ghi)perylene	1900		ug/kg	150	22.	1
Fluorene	240		ug/kg	180	18.	1
Phenanthrene	3100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	440		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2000		ug/kg	150	26.	1
Pyrene	5200		ug/kg	110	18.	1
Biphenyl	26	J	ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	130	J	ug/kg	180	17.	1
2-Methylnaphthalene	55	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	30	J	ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-20 Date Collected: 09/16/24 13:19

Client ID: SB-120 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	310		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	11500	J	ug/kg			1
Unknown PAH	488	J	ug/kg			1
Unknown	396	J	ug/kg			1
Unknown PAH	759	J	ug/kg			1
Unknown PAH	560	J	ug/kg			1
Unknown	1110	J	ug/kg			1
Unknown PAH	568	J	ug/kg			1
Unknown PAH	2100	J	ug/kg			1
Unknown PAH	363	J	ug/kg			1
Unknown PAH	624	J	ug/kg			1
Unknown PAH	1530	J	ug/kg			1
Unknown PAH	562	J	ug/kg			1
Unknown PAH	353	J	ug/kg			1
Unknown PAH	422	J	ug/kg			1
Unknown PAH	764	J	ug/kg			1
Unknown	884	J	ug/kg			1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-20 Date Collected: 09/16/24 13:19

Client ID: SB-120 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	70		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-21
Client ID: SB-121 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:34
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 18:18
Analyst: SLR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:48

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	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	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	360		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	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	65.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-21 Date Collected: 09/16/24 13:34

Client ID: SB-121 (3.5-4) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	170		ug/kg	110	22.	1
Benzo(a)pyrene	190		ug/kg	150	47.	1
Benzo(b)fluoranthene	250		ug/kg	110	32.	1
Benzo(k)fluoranthene	86	J	ug/kg	110	30.	1
Chrysene	180		ug/kg	110	20.	1
Acenaphthylene	61	J	ug/kg	150	29.	1
Anthracene	37	J	ug/kg	110	37.	1
Benzo(ghi)perylene	140	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	120		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	33	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	150	27.	1
Pyrene	320		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	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	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	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-21 Date Collected: 09/16/24 13:34

Client ID: SB-121 (3.5-4) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	58.	1
Carbazole	ND		ug/kg	190	18.	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	65		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	79		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-22
Client ID: SB-122 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:44
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 18:43
Analyst: SLR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	700		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	12000	E	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	340		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-22 Date Collected: 09/16/24 13:44

Client ID: SB-122 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	8400	E	ug/kg	110	20.	1
Benzo(a)pyrene	7800	E	ug/kg	140	44.	1
Benzo(b)fluoranthene	10000	E	ug/kg	110	30.	1
Benzo(k)fluoranthene	2600		ug/kg	110	29.	1
Chrysene	6900		ug/kg	110	19.	1
Acenaphthylene	700		ug/kg	140	28.	1
Anthracene	3700		ug/kg	110	35.	1
Benzo(ghi)perylene	6100		ug/kg	140	21.	1
Fluorene	860		ug/kg	180	17.	1
Phenanthrene	9100	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	1400		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	5900		ug/kg	140	25.	1
Pyrene	11000	E	ug/kg	110	18.	1
Biphenyl	68	J	ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	560		ug/kg	180	17.	1
2-Methylnaphthalene	120	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	44	J	ug/kg	260	28.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-22 Date Collected: 09/16/24 13:44

Client ID: SB-122 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	840		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	38000	J	ug/kg			1
Unknown PAH	3310	J	ug/kg			1
Unknown PAH	8030	J	ug/kg			1
Unknown PAH	1100	J	ug/kg			1
Unknown	836	J	ug/kg			1
Unknown PAH	2590	J	ug/kg			1
Unknown	1110	J	ug/kg			1
Unknown PAH	4600	J	ug/kg			1
Unknown	2340	J	ug/kg			1
Unknown	1810	J	ug/kg			1
Unknown PAH	2760	J	ug/kg			1
Unknown PAH	3200	J	ug/kg			1
Unknown Ketone	1230	J	ug/kg			1
Unknown PAH	1940	J	ug/kg			1
Unknown	1100	J	ug/kg			1
Unknown PAH	2020	J	ug/kg			1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-22 Date Collected: 09/16/24 13:44

Client ID: SB-122 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	63		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-22 D
Client ID: SB-122 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:44
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/24/24 12:54
Analyst: JG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	26000		ug/kg	1100	200	10
Benzo(a)anthracene	11000		ug/kg	1100	200	10
Benzo(a)pyrene	10000		ug/kg	1400	440	10
Benzo(b)fluoranthene	13000		ug/kg	1100	300	10
Phenanthrene	15000		ug/kg	1100	220	10
Pyrene	20000		ug/kg	1100	180	10

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23
Client ID: SB-123 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:51
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 19:08
Analyst: SLR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	24	J	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	33.	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	200		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	24	J	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	64.	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23 Date Collected: 09/16/24 13:51

Client ID: SB-123 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	98	J	ug/kg	110	21.	1
Benzo(a)pyrene	110	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	150		ug/kg	110	31.	1
Benzo(k)fluoranthene	46	J	ug/kg	110	30.	1
Chrysene	100	J	ug/kg	110	19.	1
Acenaphthylene	71	J	ug/kg	150	29.	1
Anthracene	49	J	ug/kg	110	36.	1
Benzo(ghi)perylene	87	J	ug/kg	150	22.	1
Fluorene	50	J	ug/kg	190	18.	1
Phenanthrene	140		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	83	J	ug/kg	150	26.	1
Pyrene	180		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	19	J	ug/kg	190	18.	1
2-Methylnaphthalene	23	J	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	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	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:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23 Date Collected: 09/16/24 13:51

Client ID: SB-123 (4-4.5) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	27	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	1140	J	ug/kg			1
Unknown Naphthalene	165	J	ug/kg			1
Unknown	202	J	ug/kg			1
Unknown Alkane	355	J	ug/kg			1
Unknown PAH	157	J	ug/kg			1
Unknown Alkane	259	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	66		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-24
Client ID: SB-124 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 14:04
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 19:33
Analyst: SLR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	19	J	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	1200		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	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: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-24 Date Collected: 09/16/24 14:04

Client ID: SB-124 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	690		ug/kg	110	21.	1
Benzo(a)pyrene	700		ug/kg	150	46.	1
Benzo(b)fluoranthene	940		ug/kg	110	32.	1
Benzo(k)fluoranthene	270		ug/kg	110	30.	1
Chrysene	640		ug/kg	110	20.	1
Acenaphthylene	190		ug/kg	150	29.	1
Anthracene	190		ug/kg	110	36.	1
Benzo(ghi)perylene	480		ug/kg	150	22.	1
Fluorene	29	J	ug/kg	190	18.	1
Phenanthrene	480		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	110		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	470		ug/kg	150	26.	1
Pyrene	1000		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: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-24 Date Collected: 09/16/24 14:04

Client ID: SB-124 (2.5-3) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	57.	1
Carbazole	83	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	894	J	ug/kg			1
Unknown	162	J	ug/kg			1
Unknown PAH	511	J	ug/kg			1
Unknown PAH	221	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	67		18-120

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-25
Client ID: SB-125 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 14:14
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/23/24 19:58
Analyst: SLR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:48

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	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	34	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	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	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-25 Date Collected: 09/16/24 14:14

Client ID: SB-125 (3.5-4) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	25	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	31	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	25	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	32	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified **Lab Number:** L2453181

Project Number: 13740:5 **Report Date:** 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-25 Date Collected: 09/16/24 14:14

Client ID: SB-125 (3.5-4) Date Received: 09/17/24

Sample Location: 1140 RIVER AVE. BRONX 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	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	76		18-120

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/22/24 12:46
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 09/21/24 04:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21-25 Batch: WG1974490-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	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	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/22/24 12:46
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 09/21/24 04:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21-25 Batch: WG1974490-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/22/24 12:46
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 09/21/24 04:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21-25 Batch: WG1974490-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	84		18-120

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/23/24 11:27
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-20 Batch: WG1974706-1					
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: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/23/24 11:27
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-20 Batch: WG1974706-1					
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: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/23/24 11:27
Analyst: SLR

Extraction Method: EPA 3546
Extraction Date: 09/22/24 00:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-20 Batch: WG1974706-1					
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	57		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	71		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-25 Batch: WG1974490-2 WG1974490-3								
Acenaphthene	75		66		31-137	13		50
1,2,4-Trichlorobenzene	75		67		38-107	11		50
Hexachlorobenzene	77		66		40-140	15		50
Bis(2-chloroethyl)ether	74		65		40-140	13		50
2-Chloronaphthalene	77		68		40-140	12		50
1,2-Dichlorobenzene	73		64		40-140	13		50
1,3-Dichlorobenzene	71		62		40-140	14		50
1,4-Dichlorobenzene	72		64		28-104	12		50
3,3'-Dichlorobenzidine	64		59		40-140	8		50
2,4-Dinitrotoluene	83		73		40-132	13		50
2,6-Dinitrotoluene	83		74		40-140	11		50
Fluoranthene	76		66		40-140	14		50
4-Chlorophenyl phenyl ether	78		67		40-140	15		50
4-Bromophenyl phenyl ether	78		67		40-140	15		50
Bis(2-chloroisopropyl)ether	73		65		40-140	12		50
Bis(2-chloroethoxy)methane	77		70		40-117	10		50
Hexachlorobutadiene	74		65		40-140	13		50
Hexachlorocyclopentadiene	51		44		40-140	15		50
Hexachloroethane	72		62		40-140	15		50
Isophorone	75		68		40-140	10		50
Naphthalene	75		66		40-140	13		50
Nitrobenzene	75		69		40-140	8		50
NDPA/DPA	77		67		36-157	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-25 Batch: WG1974490-2 WG1974490-3								
n-Nitrosodi-n-propylamine	75		67		32-121	11		50
Bis(2-ethylhexyl)phthalate	83		71		40-140	16		50
Butyl benzyl phthalate	83		70		40-140	17		50
Di-n-butylphthalate	81		69		40-140	16		50
Di-n-octylphthalate	74		62		40-140	18		50
Diethyl phthalate	78		68		40-140	14		50
Dimethyl phthalate	78		69		40-140	12		50
Benzo(a)anthracene	75		65		40-140	14		50
Benzo(a)pyrene	78		66		40-140	17		50
Benzo(b)fluoranthene	77		64		40-140	18		50
Benzo(k)fluoranthene	77		68		40-140	12		50
Chrysene	74		64		40-140	14		50
Acenaphthylene	76		66		40-140	14		50
Anthracene	76		66		40-140	14		50
Benzo(ghi)perylene	79		68		40-140	15		50
Fluorene	76		66		40-140	14		50
Phenanthrene	74		64		40-140	14		50
Dibenzo(a,h)anthracene	79		68		40-140	15		50
Indeno(1,2,3-cd)pyrene	78		67		40-140	15		50
Pyrene	76		66		35-142	14		50
Biphenyl	80		70		37-127	13		50
4-Chloroaniline	58		50		40-140	15		50
2-Nitroaniline	84		76		47-134	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-25 Batch: WG1974490-2 WG1974490-3								
3-Nitroaniline	71		67		26-129	6		50
4-Nitroaniline	82		74		41-125	10		50
Dibenzofuran	77		67		40-140	14		50
2-Methylnaphthalene	77		68		40-140	12		50
1,2,4,5-Tetrachlorobenzene	79		68		40-117	15		50
Acetophenone	79		71		14-144	11		50
2,4,6-Trichlorophenol	78		69		30-130	12		50
p-Chloro-m-cresol	79		70		26-103	12		50
2-Chlorophenol	76		69		25-102	10		50
2,4-Dichlorophenol	79		71		30-130	11		50
2,4-Dimethylphenol	60		54		30-130	11		50
2-Nitrophenol	75		69		30-130	8		50
4-Nitrophenol	81		71		11-114	13		50
2,4-Dinitrophenol	65		56		4-130	15		50
4,6-Dinitro-o-cresol	74		65		10-130	13		50
Pentachlorophenol	77		66		17-109	15		50
Phenol	76		69		26-90	10		50
2-Methylphenol	77		69		30-130.	11		50
3-Methylphenol/4-Methylphenol	77		69		30-130	11		50
2,4,5-Trichlorophenol	82		72		30-130	13		50
Benzoic Acid	46		37		10-110	22		50
Benzyl Alcohol	76		70		40-140	8		50
Carbazole	76		66		54-128	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 21-25 Batch: WG1974490-2 WG1974490-3								
1,4-Dioxane	67		60		40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		69		25-120
Phenol-d6	70		69		10-120
Nitrobenzene-d5	69		69		23-120
2-Fluorobiphenyl	70		67		30-120
2,4,6-Tribromophenol	75		71		10-136
4-Terphenyl-d14	69		66		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-20 Batch: WG1974706-2 WG1974706-3								
Acenaphthene	69		73		31-137	6		50
1,2,4-Trichlorobenzene	70		76		38-107	8		50
Hexachlorobenzene	75		81		40-140	8		50
Bis(2-chloroethyl)ether	61		66		40-140	8		50
2-Chloronaphthalene	72		77		40-140	7		50
1,2-Dichlorobenzene	63		71		40-140	12		50
1,3-Dichlorobenzene	61		69		40-140	12		50
1,4-Dichlorobenzene	62		69		28-104	11		50
3,3'-Dichlorobenzidine	70		68		40-140	3		50
2,4-Dinitrotoluene	81		85		40-132	5		50
2,6-Dinitrotoluene	92		92		40-140	0		50
Fluoranthene	80		86		40-140	7		50
4-Chlorophenyl phenyl ether	77		84		40-140	9		50
4-Bromophenyl phenyl ether	83		87		40-140	5		50
Bis(2-chloroisopropyl)ether	56		61		40-140	9		50
Bis(2-chloroethoxy)methane	73		73		40-117	0		50
Hexachlorobutadiene	74		84		40-140	13		50
Hexachlorocyclopentadiene	71		79		40-140	11		50
Hexachloroethane	62		69		40-140	11		50
Isophorone	74		76		40-140	3		50
Naphthalene	66		73		40-140	10		50
Nitrobenzene	71		75		40-140	5		50
NDPA/DPA	76		80		36-157	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-20 Batch: WG1974706-2 WG1974706-3								
n-Nitrosodi-n-propylamine	68		73		32-121	7		50
Bis(2-ethylhexyl)phthalate	82		86		40-140	5		50
Butyl benzyl phthalate	89		93		40-140	4		50
Di-n-butylphthalate	86		90		40-140	5		50
Di-n-octylphthalate	81		86		40-140	6		50
Diethyl phthalate	77		82		40-140	6		50
Dimethyl phthalate	83		88		40-140	6		50
Benzo(a)anthracene	71		76		40-140	7		50
Benzo(a)pyrene	71		76		40-140	7		50
Benzo(b)fluoranthene	71		76		40-140	7		50
Benzo(k)fluoranthene	66		71		40-140	7		50
Chrysene	66		70		40-140	6		50
Acenaphthylene	75		80		40-140	6		50
Anthracene	74		79		40-140	7		50
Benzo(ghi)perylene	70		74		40-140	6		50
Fluorene	72		77		40-140	7		50
Phenanthrene	70		75		40-140	7		50
Dibenzo(a,h)anthracene	71		76		40-140	7		50
Indeno(1,2,3-cd)pyrene	76		81		40-140	6		50
Pyrene	79		84		35-142	6		50
Biphenyl	76		81		37-127	6		50
4-Chloroaniline	57		59		40-140	3		50
2-Nitroaniline	94		98		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-20 Batch: WG1974706-2 WG1974706-3								
3-Nitroaniline	78		74		26-129	5		50
4-Nitroaniline	82		86		41-125	5		50
Dibenzofuran	69		73		40-140	6		50
2-Methylnaphthalene	75		80		40-140	6		50
1,2,4,5-Tetrachlorobenzene	90		98		40-117	9		50
Acetophenone	75		79		14-144	5		50
2,4,6-Trichlorophenol	85		91		30-130	7		50
p-Chloro-m-cresol	80		83		26-103	4		50
2-Chlorophenol	73		79		25-102	8		50
2,4-Dichlorophenol	83		84		30-130	1		50
2,4-Dimethylphenol	70		73		30-130	4		50
2-Nitrophenol	91		100		30-130	9		50
4-Nitrophenol	82		86		11-114	5		50
2,4-Dinitrophenol	79		85		4-130	7		50
4,6-Dinitro-o-cresol	94		98		10-130	4		50
Pentachlorophenol	58		60		17-109	3		50
Phenol	71		74		26-90	4		50
2-Methylphenol	75		79		30-130.	5		50
3-Methylphenol/4-Methylphenol	77		79		30-130	3		50
2,4,5-Trichlorophenol	88		92		30-130	4		50
Benzoic Acid	38		41		10-110	8		50
Benzyl Alcohol	75		80		40-140	6		50
Carbazole	72		76		54-128	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-20 Batch: WG1974706-2 WG1974706-3								
1,4-Dioxane	47		52		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		76		25-120
Phenol-d6	73		77		10-120
Nitrobenzene-d5	74		77		23-120
2-Fluorobiphenyl	75		80		30-120
2,4,6-Tribromophenol	78		81		10-136
4-Terphenyl-d14	81		87		18-120

PCBS

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05
Client ID: SB-105 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:18
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 17:56
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.0	5.15	1	A
Aroclor 1221	ND		ug/kg	58.0	5.81	1	A
Aroclor 1232	ND		ug/kg	58.0	12.3	1	A
Aroclor 1242	ND		ug/kg	58.0	7.81	1	A
Aroclor 1248	ND		ug/kg	58.0	8.69	1	A
Aroclor 1254	ND		ug/kg	58.0	6.34	1	A
Aroclor 1260	13.3	J	ug/kg	58.0	10.7	1	A
Aroclor 1262	ND		ug/kg	58.0	7.36	1	A
Aroclor 1268	ND		ug/kg	58.0	6.00	1	A
PCBs, Total	13.3	J	ug/kg	58.0	5.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	125		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06
Client ID: SB-106 (8-8.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:00
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 18:04
Analyst: MEO
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	65.5	5.81	1	A
Aroclor 1221	ND		ug/kg	65.5	6.56	1	A
Aroclor 1232	ND		ug/kg	65.5	13.9	1	A
Aroclor 1242	ND		ug/kg	65.5	8.83	1	A
Aroclor 1248	ND		ug/kg	65.5	9.82	1	A
Aroclor 1254	ND		ug/kg	65.5	7.16	1	A
Aroclor 1260	ND		ug/kg	65.5	12.1	1	A
Aroclor 1262	ND		ug/kg	65.5	8.32	1	A
Aroclor 1268	ND		ug/kg	65.5	6.78	1	A
PCBs, Total	ND		ug/kg	65.5	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-07
Client ID: SB-107 (7.5-8)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:12
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 18:12
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.0	5.06	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	25.5	J	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	25.5	J	ug/kg	57.0	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-12
Client ID: SB-112 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:08
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 18:20
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.0	5.33	1	A
Aroclor 1221	ND		ug/kg	60.0	6.02	1	A
Aroclor 1232	ND		ug/kg	60.0	12.7	1	A
Aroclor 1242	ND		ug/kg	60.0	8.10	1	A
Aroclor 1248	ND		ug/kg	60.0	9.01	1	A
Aroclor 1254	ND		ug/kg	60.0	6.57	1	A
Aroclor 1260	ND		ug/kg	60.0	11.1	1	A
Aroclor 1262	ND		ug/kg	60.0	7.63	1	A
Aroclor 1268	ND		ug/kg	60.0	6.22	1	A
PCBs, Total	ND		ug/kg	60.0	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13
Client ID: SB-113 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:29
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 18:28
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.5	5.02	1	A
Aroclor 1221	ND		ug/kg	56.5	5.66	1	A
Aroclor 1232	ND		ug/kg	56.5	12.0	1	A
Aroclor 1242	ND		ug/kg	56.5	7.62	1	A
Aroclor 1248	ND		ug/kg	56.5	8.48	1	A
Aroclor 1254	ND		ug/kg	56.5	6.18	1	A
Aroclor 1260	ND		ug/kg	56.5	10.4	1	A
Aroclor 1262	ND		ug/kg	56.5	7.18	1	A
Aroclor 1268	ND		ug/kg	56.5	5.86	1	A
PCBs, Total	ND		ug/kg	56.5	5.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-14
Client ID: SB-114 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:44
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 18:36
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.9	4.61	1	A
Aroclor 1221	ND		ug/kg	51.9	5.20	1	A
Aroclor 1232	ND		ug/kg	51.9	11.0	1	A
Aroclor 1242	ND		ug/kg	51.9	6.99	1	A
Aroclor 1248	ND		ug/kg	51.9	7.78	1	A
Aroclor 1254	ND		ug/kg	51.9	5.68	1	A
Aroclor 1260	ND		ug/kg	51.9	9.59	1	A
Aroclor 1262	ND		ug/kg	51.9	6.59	1	A
Aroclor 1268	ND		ug/kg	51.9	5.38	1	A
PCBs, Total	ND		ug/kg	51.9	4.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-16
Client ID: SB-116 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:12
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 18:44
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.6	4.67	1	A
Aroclor 1221	ND		ug/kg	52.6	5.27	1	A
Aroclor 1232	ND		ug/kg	52.6	11.1	1	A
Aroclor 1242	ND		ug/kg	52.6	7.08	1	A
Aroclor 1248	ND		ug/kg	52.6	7.88	1	A
Aroclor 1254	ND		ug/kg	52.6	5.75	1	A
Aroclor 1260	ND		ug/kg	52.6	9.71	1	A
Aroclor 1262	ND		ug/kg	52.6	6.68	1	A
Aroclor 1268	ND		ug/kg	52.6	5.44	1	A
PCBs, Total	ND		ug/kg	52.6	4.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19
Client ID: SB-119 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:24
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 18:52
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.7	4.77	1	A
Aroclor 1221	ND		ug/kg	53.7	5.38	1	A
Aroclor 1232	ND		ug/kg	53.7	11.4	1	A
Aroclor 1242	ND		ug/kg	53.7	7.24	1	A
Aroclor 1248	ND		ug/kg	53.7	8.06	1	A
Aroclor 1254	16.9	J	ug/kg	53.7	5.87	1	A
Aroclor 1260	ND		ug/kg	53.7	9.92	1	A
Aroclor 1262	ND		ug/kg	53.7	6.82	1	A
Aroclor 1268	ND		ug/kg	53.7	5.56	1	A
PCBs, Total	16.9	J	ug/kg	53.7	4.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-22
Client ID: SB-122 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:44
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 18:59
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.4	4.66	1	A
Aroclor 1221	ND		ug/kg	52.4	5.25	1	A
Aroclor 1232	ND		ug/kg	52.4	11.1	1	A
Aroclor 1242	ND		ug/kg	52.4	7.07	1	A
Aroclor 1248	ND		ug/kg	52.4	7.86	1	A
Aroclor 1254	ND		ug/kg	52.4	5.74	1	A
Aroclor 1260	ND		ug/kg	52.4	9.69	1	A
Aroclor 1262	ND		ug/kg	52.4	6.66	1	A
Aroclor 1268	ND		ug/kg	52.4	5.43	1	A
PCBs, Total	ND		ug/kg	52.4	4.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23
Client ID: SB-123 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:51
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/22/24 19:07
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.7	4.77	1	A
Aroclor 1221	ND		ug/kg	53.7	5.38	1	A
Aroclor 1232	ND		ug/kg	53.7	11.4	1	A
Aroclor 1242	ND		ug/kg	53.7	7.24	1	A
Aroclor 1248	ND		ug/kg	53.7	8.06	1	A
Aroclor 1254	20.0	J	ug/kg	53.7	5.88	1	A
Aroclor 1260	ND		ug/kg	53.7	9.93	1	A
Aroclor 1262	ND		ug/kg	53.7	6.82	1	A
Aroclor 1268	ND		ug/kg	53.7	5.57	1	A
PCBs, Total	20.0	J	ug/kg	53.7	4.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/22/24 17:25
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 09/21/24 23:12
Cleanup Method: EPA 3665A
Cleanup Date: 09/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 09/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05-07,12-14,16,19,22-23 Batch: WG1974704-1						
Aroclor 1016	ND		ug/kg	47.2	4.20	A
Aroclor 1221	ND		ug/kg	47.2	4.74	A
Aroclor 1232	ND		ug/kg	47.2	10.0	A
Aroclor 1242	ND		ug/kg	47.2	6.37	A
Aroclor 1248	ND		ug/kg	47.2	7.09	A
Aroclor 1254	ND		ug/kg	47.2	5.17	A
Aroclor 1260	ND		ug/kg	47.2	8.73	A
Aroclor 1262	ND		ug/kg	47.2	6.00	A
Aroclor 1268	ND		ug/kg	47.2	4.90	A
PCBs, Total	ND		ug/kg	47.2	4.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05-07,12-14,16,19,22-23 Batch: WG1974704-2 WG1974704-3									
Aroclor 1016	73		73		40-140	0		50	A
Aroclor 1260	70		69		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		77		30-150	A
Decachlorobiphenyl	77		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		84		30-150	B
Decachlorobiphenyl	87		96		30-150	B

METALS

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-01
Client ID: SB-101 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 08:58
Date Received: 09/17/24
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	16600		mg/kg	8.68	2.34	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.34	0.330	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Arsenic, Total	5.62		mg/kg	0.868	0.180	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Barium, Total	151		mg/kg	0.868	0.151	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Beryllium, Total	1.14		mg/kg	0.434	0.029	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.503	J	mg/kg	0.868	0.085	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Calcium, Total	4680		mg/kg	8.68	3.04	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Chromium, Total	29.8		mg/kg	0.868	0.083	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.91		mg/kg	1.74	0.144	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Copper, Total	26.5		mg/kg	0.868	0.224	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Iron, Total	26000		mg/kg	4.34	0.784	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Lead, Total	25.1		mg/kg	4.34	0.232	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Magnesium, Total	10500		mg/kg	8.68	1.34	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Manganese, Total	980		mg/kg	0.868	0.138	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.073	0.048	1	09/20/24 01:05	09/24/24 13:09	EPA 7471B	1,7471B	MJR
Nickel, Total	20.2		mg/kg	2.17	0.210	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Potassium, Total	931		mg/kg	217	12.5	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.74	0.224	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.434	0.246	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Sodium, Total	219		mg/kg	174	2.73	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Thallium, Total	0.343	J	mg/kg	1.74	0.273	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Vanadium, Total	40.9		mg/kg	0.868	0.176	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC
Zinc, Total	122		mg/kg	4.34	0.254	2	09/20/24 00:09	09/24/24 13:44	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-02
Client ID: SB-102 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 09:34
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10900		mg/kg	8.47	2.29	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.24	0.322	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.81		mg/kg	0.847	0.176	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Barium, Total	52.2		mg/kg	0.847	0.147	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Beryllium, Total	1.68		mg/kg	0.424	0.028	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.109	J	mg/kg	0.847	0.083	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Calcium, Total	121000		mg/kg	16.9	5.93	4	09/20/24 00:09	09/24/24 17:24	EPA 3050B	1,6010D	CEY
Chromium, Total	9.87		mg/kg	0.847	0.081	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.17		mg/kg	1.69	0.141	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Copper, Total	15.3		mg/kg	0.847	0.219	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Iron, Total	13100		mg/kg	4.24	0.765	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Lead, Total	15.5		mg/kg	4.24	0.227	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Magnesium, Total	95600		mg/kg	33.9	5.22	8	09/20/24 00:09	09/24/24 18:20	EPA 3050B	1,6010D	CEY
Manganese, Total	904		mg/kg	0.847	0.135	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.074	0.048	1	09/20/24 01:05	09/24/24 13:19	EPA 7471B	1,7471B	MJR
Nickel, Total	8.37		mg/kg	2.12	0.205	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Potassium, Total	482		mg/kg	212	12.2	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.69	0.219	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.424	0.240	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Sodium, Total	187		mg/kg	169	2.67	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.69	0.267	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Vanadium, Total	16.6		mg/kg	0.847	0.172	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC
Zinc, Total	41.6		mg/kg	4.24	0.248	2	09/20/24 00:09	09/24/24 13:32	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-03
Client ID: SB-103 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 09:45
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10900		mg/kg	8.20	2.21	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.10	0.311	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.86		mg/kg	0.820	0.170	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Barium, Total	59.9		mg/kg	0.820	0.143	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.876		mg/kg	0.410	0.027	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.243	J	mg/kg	0.820	0.080	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Calcium, Total	1630		mg/kg	8.20	2.87	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Chromium, Total	27.9		mg/kg	0.820	0.079	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Cobalt, Total	6.71		mg/kg	1.64	0.136	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Copper, Total	19.8		mg/kg	0.820	0.211	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Iron, Total	16800		mg/kg	4.10	0.740	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Lead, Total	9.09		mg/kg	4.10	0.220	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Magnesium, Total	9900		mg/kg	8.20	1.26	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Manganese, Total	619		mg/kg	0.820	0.130	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.074	0.048	1	09/20/24 01:05	09/24/24 13:23	EPA 7471B	1,7471B	MJR
Nickel, Total	17.4		mg/kg	2.05	0.198	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Potassium, Total	1170		mg/kg	205	11.8	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.64	0.211	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.410	0.232	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Sodium, Total	58.2	J	mg/kg	164	2.58	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Thallium, Total	0.419	J	mg/kg	1.64	0.258	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Vanadium, Total	32.2		mg/kg	0.820	0.166	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC
Zinc, Total	34.0		mg/kg	4.10	0.240	2	09/20/24 00:09	09/24/24 13:36	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-04
Client ID: SB-104 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 09:08
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	16800		mg/kg	8.45	2.28	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.23	0.321	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Arsenic, Total	5.02		mg/kg	0.845	0.176	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Barium, Total	67.6		mg/kg	0.845	0.147	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.781		mg/kg	0.423	0.028	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.195	J	mg/kg	0.845	0.083	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Calcium, Total	2430		mg/kg	8.45	2.96	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Chromium, Total	33.7		mg/kg	0.845	0.081	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Cobalt, Total	9.82		mg/kg	1.69	0.140	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Copper, Total	20.3		mg/kg	0.845	0.218	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Iron, Total	24700		mg/kg	4.23	0.763	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Lead, Total	9.77		mg/kg	4.23	0.226	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Magnesium, Total	8360		mg/kg	8.45	1.30	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Manganese, Total	484		mg/kg	0.845	0.134	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.078	0.051	1	09/20/24 01:05	09/24/24 13:26	EPA 7471B	1,7471B	MJR
Nickel, Total	22.0		mg/kg	2.11	0.204	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Potassium, Total	3020		mg/kg	211	12.2	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.69	0.218	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.423	0.239	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Sodium, Total	147	J	mg/kg	169	2.66	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Thallium, Total	0.733	J	mg/kg	1.69	0.266	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Vanadium, Total	46.1		mg/kg	0.845	0.172	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC
Zinc, Total	45.2		mg/kg	4.23	0.248	2	09/20/24 00:09	09/24/24 13:40	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05
Client ID: SB-105 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 09:18
Date Received: 09/17/24
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	7440		mg/kg	8.88	2.40	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.44	0.338	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.89		mg/kg	0.888	0.185	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Barium, Total	143		mg/kg	0.888	0.154	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.322	J	mg/kg	0.444	0.029	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.190	J	mg/kg	0.888	0.087	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Calcium, Total	13900		mg/kg	8.88	3.11	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Chromium, Total	14.8		mg/kg	0.888	0.085	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.85		mg/kg	1.78	0.147	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Copper, Total	16.8		mg/kg	0.888	0.229	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Iron, Total	13600		mg/kg	4.44	0.802	2	09/20/24 00:09	09/24/24 17:57	EPA 3050B	1,6010D	CEY
Lead, Total	66.3		mg/kg	4.44	0.238	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Magnesium, Total	8520		mg/kg	8.88	1.37	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Manganese, Total	236		mg/kg	0.888	0.141	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Mercury, Total	0.110		mg/kg	0.076	0.050	1	09/20/24 01:05	09/24/24 13:36	EPA 7471B	1,7471B	MJR
Nickel, Total	12.0		mg/kg	2.22	0.215	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Potassium, Total	1260		mg/kg	222	12.8	2	09/20/24 00:09	09/24/24 17:57	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.78	0.229	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.444	0.251	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Sodium, Total	110	J	mg/kg	178	2.80	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Thallium, Total	0.316	J	mg/kg	1.78	0.280	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Vanadium, Total	30.3		mg/kg	0.888	0.180	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC
Zinc, Total	113		mg/kg	4.44	0.260	2	09/20/24 00:09	09/24/24 14:15	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06
Client ID: SB-106 (8-8.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 10:00
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	32200		mg/kg	10.8	2.91	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	5.39	0.410	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.82		mg/kg	1.08	0.224	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Barium, Total	16.4		mg/kg	1.08	0.188	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Beryllium, Total	2.31		mg/kg	0.539	0.036	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Cadmium, Total	1.24		mg/kg	1.08	0.106	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Calcium, Total	4490		mg/kg	10.8	3.78	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Chromium, Total	42.6		mg/kg	1.08	0.104	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Cobalt, Total	10.2		mg/kg	2.16	0.179	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Copper, Total	26.3		mg/kg	1.08	0.278	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Iron, Total	28500		mg/kg	5.39	0.974	2	09/20/24 00:09	09/24/24 18:16	EPA 3050B	1,6010D	CEY
Lead, Total	8.70		mg/kg	5.39	0.289	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Magnesium, Total	87000		mg/kg	21.6	3.32	4	09/20/24 00:09	09/24/24 17:28	EPA 3050B	1,6010D	CEY
Manganese, Total	488		mg/kg	1.08	0.172	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.088	0.057	1	09/20/24 01:05	09/24/24 13:39	EPA 7471B	1,7471B	MJR
Nickel, Total	19.0		mg/kg	2.70	0.261	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Potassium, Total	366		mg/kg	270	15.5	2	09/20/24 00:09	09/24/24 18:16	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	2.16	0.278	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.539	0.305	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Sodium, Total	2120		mg/kg	216	3.40	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Thallium, Total	0.931	J	mg/kg	2.16	0.340	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Vanadium, Total	34.0		mg/kg	1.08	0.219	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC
Zinc, Total	60.2		mg/kg	5.39	0.316	2	09/20/24 00:09	09/24/24 14:19	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-07
Client ID: SB-107 (7.5-8)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 10:12
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8830		mg/kg	8.76	2.36	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.38	0.333	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.08		mg/kg	0.876	0.182	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Barium, Total	175		mg/kg	0.876	0.152	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.214	J	mg/kg	0.438	0.029	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.876	0.086	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Calcium, Total	52800		mg/kg	8.76	3.06	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Chromium, Total	23.0		mg/kg	0.876	0.084	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.35		mg/kg	1.75	0.145	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Copper, Total	23.5		mg/kg	0.876	0.226	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Iron, Total	16800		mg/kg	4.38	0.791	2	09/20/24 00:09	09/24/24 18:01	EPA 3050B	1,6010D	CEY
Lead, Total	32.4		mg/kg	4.38	0.235	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Magnesium, Total	30000		mg/kg	8.76	1.35	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Manganese, Total	211		mg/kg	0.876	0.139	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Mercury, Total	0.107		mg/kg	0.072	0.047	1	09/20/24 01:05	09/24/24 13:42	EPA 7471B	1,7471B	MJR
Nickel, Total	17.2		mg/kg	2.19	0.212	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Potassium, Total	4490		mg/kg	219	12.6	2	09/20/24 00:09	09/24/24 18:01	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.75	0.226	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.438	0.248	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Sodium, Total	174	J	mg/kg	175	2.76	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Thallium, Total	0.551	J	mg/kg	1.75	0.276	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Vanadium, Total	33.5		mg/kg	0.876	0.178	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC
Zinc, Total	83.2		mg/kg	4.38	0.257	2	09/20/24 00:09	09/24/24 14:23	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-08
Client ID: SB-108 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 10:28
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21900		mg/kg	9.10	2.46	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.55	0.346	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.20		mg/kg	0.910	0.189	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Barium, Total	68.3		mg/kg	0.910	0.158	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Beryllium, Total	3.43		mg/kg	0.455	0.030	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Cadmium, Total	1.92		mg/kg	0.910	0.089	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Calcium, Total	6860		mg/kg	9.10	3.18	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Chromium, Total	25.7		mg/kg	0.910	0.087	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.60		mg/kg	1.82	0.151	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Copper, Total	26.1		mg/kg	0.910	0.235	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Iron, Total	30100		mg/kg	4.55	0.822	2	09/20/24 00:09	09/24/24 18:05	EPA 3050B	1,6010D	CEY
Lead, Total	14.8		mg/kg	4.55	0.244	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Magnesium, Total	34200		mg/kg	9.10	1.40	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Manganese, Total	1240		mg/kg	0.910	0.145	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.074	0.048	1	09/20/24 01:05	09/24/24 13:46	EPA 7471B	1,7471B	MJR
Nickel, Total	18.0		mg/kg	2.28	0.220	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Potassium, Total	1290		mg/kg	228	13.1	2	09/20/24 00:09	09/24/24 18:05	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.82	0.235	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.455	0.258	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Sodium, Total	84.3	J	mg/kg	182	2.87	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.82	0.287	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Vanadium, Total	34.9		mg/kg	0.910	0.185	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC
Zinc, Total	33.0		mg/kg	4.55	0.267	2	09/20/24 00:09	09/24/24 14:26	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-09
Client ID: SB-109 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 10:43
Date Received: 09/17/24
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	14600		mg/kg	9.16	2.47	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.58	0.348	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.72		mg/kg	0.916	0.191	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Barium, Total	54.7		mg/kg	0.916	0.159	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.609		mg/kg	0.458	0.030	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.916	0.090	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Calcium, Total	1410		mg/kg	9.16	3.21	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Chromium, Total	26.7		mg/kg	0.916	0.088	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.44		mg/kg	1.83	0.152	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Copper, Total	11.4		mg/kg	0.916	0.236	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Iron, Total	21900		mg/kg	4.58	0.828	2	09/20/24 00:09	09/24/24 18:09	EPA 3050B	1,6010D	CEY
Lead, Total	8.13		mg/kg	4.58	0.246	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Magnesium, Total	5160		mg/kg	9.16	1.41	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Manganese, Total	483		mg/kg	0.916	0.146	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.074	0.049	1	09/20/24 01:05	09/24/24 13:49	EPA 7471B	1,7471B	MJR
Nickel, Total	15.8		mg/kg	2.29	0.222	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Potassium, Total	1320		mg/kg	229	13.2	2	09/20/24 00:09	09/24/24 18:09	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.83	0.236	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.458	0.259	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Sodium, Total	195		mg/kg	183	2.89	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.83	0.289	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Vanadium, Total	32.4		mg/kg	0.916	0.186	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC
Zinc, Total	29.1		mg/kg	4.58	0.268	2	09/20/24 00:09	09/24/24 14:30	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-10
Client ID: SB-110 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 10:56
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12600		mg/kg	8.76	2.37	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.38	0.333	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.34		mg/kg	0.876	0.182	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Barium, Total	69.2		mg/kg	0.876	0.152	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.490		mg/kg	0.438	0.029	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.128	J	mg/kg	0.876	0.086	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Calcium, Total	4180		mg/kg	8.76	3.07	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Chromium, Total	27.2		mg/kg	0.876	0.084	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.39		mg/kg	1.75	0.145	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Copper, Total	15.0		mg/kg	0.876	0.226	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Iron, Total	20500		mg/kg	4.38	0.791	2	09/20/24 00:09	09/24/24 18:13	EPA 3050B	1,6010D	CEY
Lead, Total	15.2		mg/kg	4.38	0.235	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Magnesium, Total	6180		mg/kg	8.76	1.35	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Manganese, Total	388		mg/kg	0.876	0.139	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Mercury, Total	0.057	J	mg/kg	0.074	0.048	1	09/20/24 01:05	09/24/24 13:52	EPA 7471B	1,7471B	MJR
Nickel, Total	16.0		mg/kg	2.19	0.212	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Potassium, Total	2160		mg/kg	219	12.6	2	09/20/24 00:09	09/24/24 18:13	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.75	0.226	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.438	0.248	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Sodium, Total	176		mg/kg	175	2.76	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.75	0.276	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Vanadium, Total	33.9		mg/kg	0.876	0.178	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC
Zinc, Total	41.4		mg/kg	4.38	0.257	2	09/20/24 00:09	09/24/24 14:34	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-11
Client ID: SB-111 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 11:54
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8100		mg/kg	8.02	2.16	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Antimony, Total	0.702	J	mg/kg	4.01	0.305	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Arsenic, Total	4.06		mg/kg	0.802	0.167	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Barium, Total	140		mg/kg	0.802	0.140	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.398	J	mg/kg	0.401	0.027	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.942		mg/kg	0.802	0.079	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Calcium, Total	43100		mg/kg	8.02	2.81	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Chromium, Total	15.5		mg/kg	0.802	0.077	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Cobalt, Total	4.99		mg/kg	1.60	0.133	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Copper, Total	46.2		mg/kg	0.802	0.207	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Iron, Total	13000		mg/kg	4.01	0.724	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Lead, Total	433		mg/kg	4.01	0.215	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Magnesium, Total	26200		mg/kg	8.02	1.24	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Manganese, Total	334		mg/kg	0.802	0.128	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Mercury, Total	0.252		mg/kg	0.066	0.043	1	09/20/24 01:05	09/24/24 13:56	EPA 7471B	1,7471B	MJR
Nickel, Total	12.6		mg/kg	2.00	0.194	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Potassium, Total	1460		mg/kg	200	11.6	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.60	0.207	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.401	0.227	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Sodium, Total	344		mg/kg	160	2.53	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Thallium, Total	0.380	J	mg/kg	1.60	0.253	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Vanadium, Total	24.0		mg/kg	0.802	0.163	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY
Zinc, Total	292		mg/kg	4.01	0.235	2	09/20/24 00:09	09/24/24 17:32	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-12
Client ID: SB-112 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 11:08
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	15900		mg/kg	9.77	2.64	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Antimony, Total	0.468	J	mg/kg	4.88	0.371	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Arsenic, Total	3.07		mg/kg	0.977	0.203	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Barium, Total	251		mg/kg	0.977	0.170	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.360	J	mg/kg	0.488	0.032	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.156	J	mg/kg	0.977	0.096	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Calcium, Total	15500		mg/kg	9.77	3.42	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Chromium, Total	47.8		mg/kg	0.977	0.094	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Cobalt, Total	12.2		mg/kg	1.95	0.162	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Copper, Total	45.0		mg/kg	0.977	0.252	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Iron, Total	23900		mg/kg	4.88	0.882	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Lead, Total	60.2		mg/kg	4.88	0.262	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Magnesium, Total	15200		mg/kg	9.77	1.50	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Manganese, Total	319		mg/kg	0.977	0.155	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Mercury, Total	0.078	J	mg/kg	0.085	0.055	1	09/20/24 01:05	09/24/24 13:59	EPA 7471B	1,7471B	MJR
Nickel, Total	30.8		mg/kg	2.44	0.236	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Potassium, Total	5370		mg/kg	244	14.1	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.95	0.252	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.488	0.276	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Sodium, Total	217		mg/kg	195	3.08	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Thallium, Total	0.951	J	mg/kg	1.95	0.308	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Vanadium, Total	56.5		mg/kg	0.977	0.198	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY
Zinc, Total	118		mg/kg	4.88	0.286	2	09/20/24 00:09	09/24/24 17:36	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13
Client ID: SB-113 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 11:29
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7390		mg/kg	8.83	2.38	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Antimony, Total	0.738	J	mg/kg	4.41	0.336	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Arsenic, Total	5.51		mg/kg	0.883	0.184	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Barium, Total	170		mg/kg	0.883	0.154	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.806		mg/kg	0.441	0.029	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Cadmium, Total	ND		mg/kg	0.883	0.087	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Calcium, Total	118000		mg/kg	44.1	15.4	10	09/20/24 00:09	09/24/24 18:24	EPA 3050B	1,6010D	CEY
Chromium, Total	11.4		mg/kg	0.883	0.085	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Cobalt, Total	4.03		mg/kg	1.76	0.146	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Copper, Total	33.5		mg/kg	0.883	0.228	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Iron, Total	13500		mg/kg	4.41	0.797	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Lead, Total	490		mg/kg	4.41	0.237	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Magnesium, Total	74500		mg/kg	44.1	6.80	10	09/20/24 00:09	09/24/24 18:24	EPA 3050B	1,6010D	CEY
Manganese, Total	420		mg/kg	0.883	0.140	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Mercury, Total	0.662		mg/kg	0.073	0.047	1	09/20/24 01:05	09/24/24 14:02	EPA 7471B	1,7471B	MJR
Nickel, Total	7.64		mg/kg	2.21	0.214	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Potassium, Total	1260		mg/kg	221	12.7	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Selenium, Total	0.300	J	mg/kg	1.76	0.228	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.441	0.250	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Sodium, Total	659		mg/kg	176	2.78	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Thallium, Total	0.287	J	mg/kg	1.76	0.278	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Vanadium, Total	16.9		mg/kg	0.883	0.179	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY
Zinc, Total	167		mg/kg	4.41	0.259	2	09/20/24 00:09	09/24/24 17:49	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-14
Client ID: SB-114 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 11:44
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9420		mg/kg	8.48	2.29	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Antimony, Total	8.42		mg/kg	4.24	0.322	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Arsenic, Total	13.2		mg/kg	0.848	0.176	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Barium, Total	273		mg/kg	0.848	0.148	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.339	J	mg/kg	0.424	0.028	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.658	J	mg/kg	0.848	0.083	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Calcium, Total	7590		mg/kg	8.48	2.97	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Chromium, Total	24.9		mg/kg	0.848	0.082	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Cobalt, Total	10.2		mg/kg	1.70	0.141	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Copper, Total	186		mg/kg	0.848	0.219	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Iron, Total	29100		mg/kg	4.24	0.766	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Lead, Total	962		mg/kg	4.24	0.227	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Magnesium, Total	6330		mg/kg	8.48	1.31	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Manganese, Total	405		mg/kg	0.848	0.135	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Mercury, Total	0.277		mg/kg	0.072	0.047	1	09/20/24 01:05	09/24/24 14:05	EPA 7471B	1,7471B	MJR
Nickel, Total	24.1		mg/kg	2.12	0.205	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Potassium, Total	3310		mg/kg	212	12.2	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Selenium, Total	0.654	J	mg/kg	1.70	0.219	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.424	0.240	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Sodium, Total	184		mg/kg	170	2.67	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Thallium, Total	0.580	J	mg/kg	1.70	0.267	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Vanadium, Total	41.3		mg/kg	0.848	0.172	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY
Zinc, Total	364		mg/kg	4.24	0.249	2	09/20/24 00:09	09/24/24 17:53	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-15
Client ID: SB-115 (4.5-5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 13:26
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9100		mg/kg	8.82	2.38	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Antimony, Total	0.573	J	mg/kg	4.41	0.335	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Arsenic, Total	6.36		mg/kg	0.882	0.184	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Barium, Total	107		mg/kg	0.882	0.154	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.392	J	mg/kg	0.441	0.029	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.335	J	mg/kg	0.882	0.087	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Calcium, Total	22700		mg/kg	8.82	3.09	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Chromium, Total	15.6		mg/kg	0.882	0.085	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Cobalt, Total	6.97		mg/kg	1.76	0.146	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Copper, Total	14.2		mg/kg	0.882	0.228	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Iron, Total	14900		mg/kg	4.41	0.797	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Lead, Total	129		mg/kg	4.41	0.236	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Magnesium, Total	4290		mg/kg	8.82	1.36	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Manganese, Total	260		mg/kg	0.882	0.140	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Mercury, Total	0.201		mg/kg	0.081	0.053	1	09/20/24 01:05	09/24/24 14:15	EPA 7471B	1,7471B	MJR
Nickel, Total	12.8		mg/kg	2.21	0.214	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Potassium, Total	1680		mg/kg	221	12.7	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.76	0.228	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.441	0.250	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Sodium, Total	704		mg/kg	176	2.78	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Thallium, Total	ND		mg/kg	1.76	0.278	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Vanadium, Total	28.3		mg/kg	0.882	0.179	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY
Zinc, Total	502		mg/kg	4.41	0.258	2	09/20/24 00:09	09/24/24 17:00	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-16
Client ID: SB-116 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 12:12
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10300		mg/kg	8.23	2.22	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Antimony, Total	1.26	J	mg/kg	4.12	0.313	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Arsenic, Total	4.26		mg/kg	0.823	0.171	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Barium, Total	189		mg/kg	0.823	0.143	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.306	J	mg/kg	0.412	0.027	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.384	J	mg/kg	0.823	0.081	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Calcium, Total	4180		mg/kg	8.23	2.88	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Chromium, Total	25.1		mg/kg	0.823	0.079	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Cobalt, Total	11.2		mg/kg	1.65	0.137	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Copper, Total	374		mg/kg	0.823	0.212	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Iron, Total	17900		mg/kg	4.12	0.744	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Lead, Total	274		mg/kg	4.12	0.221	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Magnesium, Total	4920		mg/kg	8.23	1.27	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Manganese, Total	238		mg/kg	0.823	0.131	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Mercury, Total	0.272		mg/kg	0.068	0.044	1	09/20/24 01:05	09/24/24 14:19	EPA 7471B	1,7471B	MJR
Nickel, Total	22.2		mg/kg	2.06	0.199	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Potassium, Total	3580		mg/kg	206	11.8	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.65	0.212	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.412	0.233	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Sodium, Total	169		mg/kg	165	2.59	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Thallium, Total	0.429	J	mg/kg	1.65	0.259	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Vanadium, Total	32.2		mg/kg	0.823	0.167	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY
Zinc, Total	183		mg/kg	4.12	0.241	2	09/20/24 00:09	09/24/24 17:04	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-17
Client ID: SB-117 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 12:37
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10800		mg/kg	8.44	2.28	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Antimony, Total	0.697	J	mg/kg	4.22	0.321	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Arsenic, Total	5.40		mg/kg	0.844	0.176	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Barium, Total	198		mg/kg	0.844	0.147	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.412	J	mg/kg	0.422	0.028	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.262	J	mg/kg	0.844	0.083	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Calcium, Total	14800		mg/kg	8.44	2.95	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Chromium, Total	26.6		mg/kg	0.844	0.081	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Cobalt, Total	8.01		mg/kg	1.69	0.140	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Copper, Total	64.1		mg/kg	0.844	0.218	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Iron, Total	17800		mg/kg	4.22	0.762	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Lead, Total	115		mg/kg	4.22	0.226	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Magnesium, Total	10700		mg/kg	8.44	1.30	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Manganese, Total	301		mg/kg	0.844	0.134	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Mercury, Total	0.078	J	mg/kg	0.080	0.052	1	09/20/24 01:05	09/24/24 14:22	EPA 7471B	1,7471B	MJR
Nickel, Total	18.6		mg/kg	2.11	0.204	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Potassium, Total	2590		mg/kg	211	12.2	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.69	0.218	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.422	0.239	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Sodium, Total	129	J	mg/kg	169	2.66	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Thallium, Total	0.303	J	mg/kg	1.69	0.266	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Vanadium, Total	36.7		mg/kg	0.844	0.171	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY
Zinc, Total	174		mg/kg	4.22	0.247	2	09/20/24 00:09	09/24/24 17:08	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-18
Client ID: SB-118 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 13:00
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12400		mg/kg	8.62	2.33	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Antimony, Total	ND		mg/kg	4.31	0.327	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Arsenic, Total	4.32		mg/kg	0.862	0.179	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Barium, Total	212		mg/kg	0.862	0.150	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.522		mg/kg	0.431	0.028	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.272	J	mg/kg	0.862	0.084	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Calcium, Total	29100		mg/kg	8.62	3.02	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Chromium, Total	25.4		mg/kg	0.862	0.083	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Cobalt, Total	7.12		mg/kg	1.72	0.143	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Copper, Total	24.8		mg/kg	0.862	0.222	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Iron, Total	16900		mg/kg	4.31	0.778	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Lead, Total	93.6		mg/kg	4.31	0.231	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Magnesium, Total	17600		mg/kg	8.62	1.33	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Manganese, Total	349		mg/kg	0.862	0.137	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Mercury, Total	0.170		mg/kg	0.079	0.052	1	09/20/24 01:05	09/24/24 14:25	EPA 7471B	1,7471B	MJR
Nickel, Total	17.2		mg/kg	2.15	0.208	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Potassium, Total	2270		mg/kg	215	12.4	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.72	0.222	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.431	0.244	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Sodium, Total	286		mg/kg	172	2.71	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Thallium, Total	0.596	J	mg/kg	1.72	0.271	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Vanadium, Total	36.8		mg/kg	0.862	0.175	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY
Zinc, Total	179		mg/kg	4.31	0.252	2	09/20/24 00:09	09/24/24 17:12	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19
Client ID: SB-119 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 12:24
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10500		mg/kg	8.69	2.35	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Antimony, Total	0.376	J	mg/kg	4.34	0.330	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Arsenic, Total	18.3		mg/kg	0.869	0.181	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Barium, Total	208		mg/kg	0.869	0.151	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.481		mg/kg	0.434	0.029	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.249	J	mg/kg	0.869	0.085	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Calcium, Total	40200		mg/kg	8.69	3.04	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Chromium, Total	27.5		mg/kg	0.869	0.083	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Cobalt, Total	12.0		mg/kg	1.74	0.144	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Copper, Total	27.7		mg/kg	0.869	0.224	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Iron, Total	15100		mg/kg	4.34	0.785	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Lead, Total	147		mg/kg	4.34	0.233	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Magnesium, Total	25000		mg/kg	8.69	1.34	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Manganese, Total	335		mg/kg	0.869	0.138	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Mercury, Total	0.421		mg/kg	0.078	0.051	1	09/20/24 01:05	09/24/24 14:28	EPA 7471B	1,7471B	MJR
Nickel, Total	17.2		mg/kg	2.17	0.210	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Potassium, Total	2030		mg/kg	217	12.5	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.74	0.224	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.434	0.246	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Sodium, Total	427		mg/kg	174	2.74	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Thallium, Total	0.309	J	mg/kg	1.74	0.274	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Vanadium, Total	32.8		mg/kg	0.869	0.176	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY
Zinc, Total	172		mg/kg	4.34	0.254	2	09/20/24 00:09	09/24/24 17:16	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-20
Client ID: SB-120 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 13:19
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11800		mg/kg	8.73	2.36	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Antimony, Total	1.21	J	mg/kg	4.36	0.332	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Arsenic, Total	7.34		mg/kg	0.873	0.182	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Barium, Total	252		mg/kg	0.873	0.152	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Beryllium, Total	0.516		mg/kg	0.436	0.029	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Cadmium, Total	0.426	J	mg/kg	0.873	0.086	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Calcium, Total	18900		mg/kg	8.73	3.05	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Chromium, Total	26.0		mg/kg	0.873	0.084	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Cobalt, Total	8.09		mg/kg	1.74	0.145	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Copper, Total	54.2		mg/kg	0.873	0.225	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Iron, Total	19700		mg/kg	4.36	0.788	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Lead, Total	342		mg/kg	4.36	0.234	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Magnesium, Total	13300		mg/kg	8.73	1.34	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Manganese, Total	313		mg/kg	0.873	0.139	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Mercury, Total	0.218		mg/kg	0.076	0.049	1	09/20/24 01:05	09/24/24 14:32	EPA 7471B	1,7471B	MJR
Nickel, Total	19.8		mg/kg	2.18	0.211	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Potassium, Total	2540		mg/kg	218	12.6	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Selenium, Total	ND		mg/kg	1.74	0.225	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Silver, Total	ND		mg/kg	0.436	0.247	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Sodium, Total	360		mg/kg	174	2.75	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Thallium, Total	0.584	J	mg/kg	1.74	0.275	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Vanadium, Total	36.1		mg/kg	0.873	0.177	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY
Zinc, Total	268		mg/kg	4.36	0.256	2	09/20/24 00:09	09/24/24 17:20	EPA 3050B	1,6010D	CEY

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-21
Client ID: SB-121 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 13:34
Date Received: 09/17/24
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	12000		mg/kg	8.99	2.43	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Antimony, Total	1.08	J	mg/kg	4.49	0.341	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Arsenic, Total	7.48		mg/kg	0.899	0.187	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Barium, Total	228		mg/kg	0.899	0.156	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.510		mg/kg	0.449	0.030	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.632	J	mg/kg	0.899	0.088	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Calcium, Total	28500		mg/kg	8.99	3.14	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Chromium, Total	23.0		mg/kg	0.899	0.086	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Cobalt, Total	6.32		mg/kg	1.80	0.149	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Copper, Total	35.8		mg/kg	0.899	0.232	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Iron, Total	16200		mg/kg	4.49	0.811	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Lead, Total	766		mg/kg	4.49	0.241	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Magnesium, Total	23500		mg/kg	8.99	1.38	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Manganese, Total	382		mg/kg	0.899	0.143	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Mercury, Total	0.167		mg/kg	0.073	0.048	1	09/21/24 15:20	09/23/24 20:00	EPA 7471B	1,7471B	MJR
Nickel, Total	13.8		mg/kg	2.25	0.217	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Potassium, Total	1540		mg/kg	225	12.9	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Selenium, Total	0.282	J	mg/kg	1.80	0.232	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.449	0.254	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Sodium, Total	506		mg/kg	180	2.83	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Thallium, Total	0.528	J	mg/kg	1.80	0.283	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Vanadium, Total	29.8		mg/kg	0.899	0.182	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC
Zinc, Total	383		mg/kg	4.49	0.263	2	09/21/24 14:00	09/24/24 07:43	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-22
Client ID: SB-122 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 13:44
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14000		mg/kg	8.46	2.28	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Antimony, Total	0.643	J	mg/kg	4.23	0.322	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Arsenic, Total	5.24		mg/kg	0.846	0.176	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Barium, Total	102		mg/kg	0.846	0.147	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.690		mg/kg	0.423	0.028	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.393	J	mg/kg	0.846	0.083	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Calcium, Total	22000		mg/kg	8.46	2.96	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Chromium, Total	23.3		mg/kg	0.846	0.081	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Cobalt, Total	7.46		mg/kg	1.69	0.140	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Copper, Total	54.3		mg/kg	0.846	0.218	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Iron, Total	18900		mg/kg	4.23	0.764	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Lead, Total	274		mg/kg	4.23	0.227	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Magnesium, Total	21200		mg/kg	8.46	1.30	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Manganese, Total	448		mg/kg	0.846	0.134	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Mercury, Total	0.325		mg/kg	0.069	0.045	1	09/21/24 15:20	09/23/24 20:03	EPA 7471B	1,7471B	MJR
Nickel, Total	16.0		mg/kg	2.12	0.205	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Potassium, Total	1540		mg/kg	212	12.2	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.69	0.218	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.423	0.239	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Sodium, Total	153	J	mg/kg	169	2.66	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Thallium, Total	0.415	J	mg/kg	1.69	0.266	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Vanadium, Total	29.5		mg/kg	0.846	0.172	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC
Zinc, Total	166		mg/kg	4.23	0.248	2	09/21/24 14:00	09/24/24 07:47	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23
Client ID: SB-123 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 13:51
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14700		mg/kg	8.83	2.38	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Antimony, Total	1.40	J	mg/kg	4.42	0.336	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Arsenic, Total	4.76		mg/kg	0.883	0.184	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Barium, Total	272		mg/kg	0.883	0.154	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.387	J	mg/kg	0.442	0.029	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.235	J	mg/kg	0.883	0.087	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Calcium, Total	9240		mg/kg	8.83	3.09	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Chromium, Total	33.5		mg/kg	0.883	0.085	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Cobalt, Total	10.9		mg/kg	1.77	0.146	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Copper, Total	72.0		mg/kg	0.883	0.228	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Iron, Total	24000		mg/kg	4.42	0.797	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Lead, Total	105		mg/kg	4.42	0.237	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Magnesium, Total	8600		mg/kg	8.83	1.36	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Manganese, Total	394		mg/kg	0.883	0.140	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Mercury, Total	0.127		mg/kg	0.071	0.046	1	09/21/24 15:20	09/23/24 20:07	EPA 7471B	1,7471B	MJR
Nickel, Total	27.9		mg/kg	2.21	0.214	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Potassium, Total	4470		mg/kg	221	12.7	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.77	0.228	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.442	0.250	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Sodium, Total	165	J	mg/kg	177	2.78	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Thallium, Total	0.986	J	mg/kg	1.77	0.278	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Vanadium, Total	48.0		mg/kg	0.883	0.179	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC
Zinc, Total	198		mg/kg	4.42	0.259	2	09/21/24 14:00	09/24/24 07:51	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Lab Number: L2453181
Project Number: 13740:5
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-24
Client ID: SB-124 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 14:04
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13800		mg/kg	8.87	2.40	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Antimony, Total	1.17	J	mg/kg	4.44	0.337	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Arsenic, Total	6.52		mg/kg	0.887	0.184	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Barium, Total	314		mg/kg	0.887	0.154	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.479		mg/kg	0.444	0.029	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Cadmium, Total	1.80		mg/kg	0.887	0.087	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Calcium, Total	21600		mg/kg	8.87	3.10	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Chromium, Total	30.8		mg/kg	0.887	0.085	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Cobalt, Total	8.96		mg/kg	1.77	0.147	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Copper, Total	54.4		mg/kg	0.887	0.229	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Iron, Total	20400		mg/kg	4.44	0.801	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Lead, Total	158		mg/kg	4.44	0.238	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Magnesium, Total	15300		mg/kg	8.87	1.37	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Manganese, Total	436		mg/kg	0.887	0.141	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Mercury, Total	0.107		mg/kg	0.073	0.048	1	09/21/24 15:20	09/23/24 20:10	EPA 7471B	1,7471B	MJR
Nickel, Total	22.1		mg/kg	2.22	0.215	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Potassium, Total	2510		mg/kg	222	12.8	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.77	0.229	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.444	0.251	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Sodium, Total	240		mg/kg	177	2.79	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Thallium, Total	0.363	J	mg/kg	1.77	0.279	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Vanadium, Total	38.6		mg/kg	0.887	0.180	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC
Zinc, Total	1000		mg/kg	4.44	0.260	2	09/21/24 14:00	09/24/24 07:55	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-25
Client ID: SB-125 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY
Date Collected: 09/16/24 14:14
Date Received: 09/17/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	16100		mg/kg	8.61	2.32	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.30	0.327	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.87		mg/kg	0.861	0.179	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Barium, Total	100		mg/kg	0.861	0.150	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.520		mg/kg	0.430	0.028	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.861	0.084	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Calcium, Total	2430		mg/kg	8.61	3.01	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Chromium, Total	35.7		mg/kg	0.861	0.083	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Cobalt, Total	10.1		mg/kg	1.72	0.143	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Copper, Total	23.5		mg/kg	0.861	0.222	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Iron, Total	21700		mg/kg	4.30	0.777	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Lead, Total	23.1		mg/kg	4.30	0.231	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Magnesium, Total	7370		mg/kg	8.61	1.32	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Manganese, Total	431		mg/kg	0.861	0.137	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Mercury, Total	0.077		mg/kg	0.070	0.046	1	09/21/24 15:20	09/23/24 20:13	EPA 7471B	1,7471B	MJR
Nickel, Total	21.8		mg/kg	2.15	0.208	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Potassium, Total	3010		mg/kg	215	12.4	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.72	0.222	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.430	0.244	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Sodium, Total	158	J	mg/kg	172	2.71	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Thallium, Total	0.766	J	mg/kg	1.72	0.271	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Vanadium, Total	44.4		mg/kg	0.861	0.175	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC
Zinc, Total	55.8		mg/kg	4.30	0.252	2	09/21/24 14:00	09/24/24 07:59	EPA 3050B	1,6010D	DMC

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

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): 01-20 Batch: WG1973526-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Iron, Total	0.739	J	mg/kg	2.00	0.361	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	5.76	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/20/24 00:09	09/24/24 13:24	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/20/24 00:09	09/24/24 13:24	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): 01-20 Batch: WG1973527-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/20/24 01:05	09/24/24 13:03	1,7471B	MJR

Project Name: Not Specified
Project Number: 13740:5
Lab Number: L2453181
Report Date: 09/25/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 21-25 Batch: WG1974555-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Iron, Total	1.14	J	mg/kg	2.00	0.361	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Nickel, Total	0.113	J	mg/kg	1.00	0.097	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/21/24 14:00	09/23/24 12:09	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

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): 21-25 Batch: WG1974556-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/21/24 15:20	09/23/24 12:57	1,7471B	MJR

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1973526-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	106		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	105		-		80-120	-		
Beryllium, Total	109		-		80-120	-		
Cadmium, Total	105		-		80-120	-		
Calcium, Total	105		-		80-120	-		
Chromium, Total	106		-		80-120	-		
Cobalt, Total	107		-		80-120	-		
Copper, Total	109		-		80-120	-		
Iron, Total	112		-		80-120	-		
Lead, Total	106		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	110		-		80-120	-		
Nickel, Total	108		-		80-120	-		
Potassium, Total	112		-		80-120	-		
Selenium, Total	105		-		80-120	-		
Silver, Total	111		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	108		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1973526-2					
Zinc, Total	110	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-20 Batch: WG1973527-2					
Mercury, Total	91	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 21-25 Batch: WG1974555-2					
Aluminum, Total	101	-	80-120	-	
Antimony, Total	104	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	102	-	80-120	-	
Beryllium, Total	105	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	102	-	80-120	-	
Chromium, Total	103	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	104	-	80-120	-	
Iron, Total	105	-	80-120	-	
Lead, Total	103	-	80-120	-	
Magnesium, Total	103	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	103	-	80-120	-	
Selenium, Total	100	-	80-120	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 21-25 Batch: WG1974555-2					
Zinc, Total	105	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 21-25 Batch: WG1974556-2					
Mercury, Total	107	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

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): 01-20 QC Batch ID: WG1973526-3 QC Sample: L2453181-01 Client ID: SB-101 (3-3.5)												
Aluminum, Total	16600	177	16500	**0**	Q	-	-		75-125	-		20
Antimony, Total	ND	44.2	30.3	**68**	Q	-	-		75-125	-		20
Arsenic, Total	5.62	10.6	16.3	101		-	-		75-125	-		20
Barium, Total	151	177	302	85		-	-		75-125	-		20
Beryllium, Total	1.14	4.42	5.38	96		-	-		75-125	-		20
Cadmium, Total	0.503J	4.69	4.46	95		-	-		75-125	-		20
Calcium, Total	4680	884	5620	106		-	-		75-125	-		20
Chromium, Total	29.8	17.7	45.8	90		-	-		75-125	-		20
Cobalt, Total	8.91	44.2	48.4	89		-	-		75-125	-		20
Copper, Total	26.5	22.1	47.2	94		-	-		75-125	-		20
Iron, Total	26000	88.4	25200	**0**	Q	-	-		75-125	-		20
Lead, Total	25.1	46.9	71.4	99		-	-		75-125	-		20
Magnesium, Total	10500	884	11400	102		-	-		75-125	-		20
Manganese, Total	980	44.2	905	**0**	Q	-	-		75-125	-		20
Nickel, Total	20.2	44.2	59.0	88		-	-		75-125	-		20
Potassium, Total	931	884	1800	98		-	-		75-125	-		20
Selenium, Total	ND	10.6	10.3	97		-	-		75-125	-		20
Silver, Total	ND	4.42	4.51	102		-	-		75-125	-		20
Sodium, Total	219	884	1040	93		-	-		75-125	-		20
Thallium, Total	0.343J	10.6	11.0	104		-	-		75-125	-		20
Vanadium, Total	40.9	44.2	83.0	95		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

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): 01-20 QC Batch ID: WG1973526-3 QC Sample: L2453181-01 Client ID: SB-101 (3-3.5)										
Zinc, Total	122	44.2	148	**59**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1973527-3 QC Sample: L2453181-01 Client ID: SB-101 (3-3.5)										
Mercury, Total	ND	1.6	1.54	96		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

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): 21-25 QC Batch ID: WG1974555-3 QC Sample: L2454335-01 Client ID: MS Sample										
Aluminum, Total	6960	195	7550	**302**	Q	-	-	75-125	-	20
Antimony, Total	ND	48.9	49.6	101		-	-	75-125	-	20
Arsenic, Total	1.91	11.7	13.9	102		-	-	75-125	-	20
Barium, Total	5.92	195	207	103		-	-	75-125	-	20
Beryllium, Total	0.340J	4.89	5.54	113		-	-	75-125	-	20
Cadmium, Total	ND	5.18	5.30	102		-	-	75-125	-	20
Calcium, Total	320	977	1350	105		-	-	75-125	-	20
Chromium, Total	12.0	19.5	32.6	105		-	-	75-125	-	20
Cobalt, Total	3.12	48.9	54.6	105		-	-	75-125	-	20
Copper, Total	6.88	24.4	33.1	107		-	-	75-125	-	20
Iron, Total	9580	97.7	8940	**0**	Q	-	-	75-125	-	20
Lead, Total	4.80J	51.8	58.3	112		-	-	75-125	-	20
Magnesium, Total	2160	977	3330	120		-	-	75-125	-	20
Manganese, Total	67.0	48.9	126	121		-	-	75-125	-	20
Nickel, Total	14.3	48.9	65.9	106		-	-	75-125	-	20
Potassium, Total	567	977	1650	111		-	-	75-125	-	20
Selenium, Total	ND	11.7	11.8	100		-	-	75-125	-	20
Silver, Total	ND	4.89	5.32	109		-	-	75-125	-	20
Sodium, Total	174J	977	1190	122		-	-	75-125	-	20
Thallium, Total	ND	11.7	12.2	104		-	-	75-125	-	20
Vanadium, Total	13.7	48.9	66.4	108		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

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): 21-25 QC Batch ID: WG1974555-3 QC Sample: L2454335-01 Client ID: MS Sample									
Zinc, Total	20.2	48.9	75.1	112	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 21-25 QC Batch ID: WG1974556-3 QC Sample: L2454335-01 Client ID: MS Sample									
Mercury, Total	ND	1.57	1.67	106	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1973526-4 QC Sample: L2453181-01 Client ID: SB-101 (3-3.5)						
Aluminum, Total	16600	15700	mg/kg	6		20
Antimony, Total	ND	0.518J	mg/kg	NC		20
Arsenic, Total	5.62	5.51	mg/kg	2		20
Barium, Total	151	99.3	mg/kg	**41**	Q	20
Beryllium, Total	1.14	0.993	mg/kg	14		20
Cadmium, Total	0.503J	0.306J	mg/kg	NC		20
Calcium, Total	4680	3680	mg/kg	**24**	Q	20
Chromium, Total	29.8	29.8	mg/kg	0		20
Cobalt, Total	8.91	8.08	mg/kg	10		20
Copper, Total	26.5	16.5	mg/kg	**47**	Q	20
Iron, Total	26000	25500	mg/kg	2		20
Lead, Total	25.1	17.3	mg/kg	**37**	Q	20
Magnesium, Total	10500	8700	mg/kg	19		20
Manganese, Total	980	763	mg/kg	**25**	Q	20
Nickel, Total	20.2	19.0	mg/kg	6		20
Potassium, Total	931	861	mg/kg	8		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	219	210	mg/kg	4		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1973526-4 QC Sample: L2453181-01 Client ID: SB-101 (3-3.5)						
Thallium, Total	0.343J	0.343J	mg/kg	NC		20
Vanadium, Total	40.9	41.3	mg/kg	1		20
Zinc, Total	122	68.1	mg/kg	**57**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1973527-4 QC Sample: L2453181-01 Client ID: SB-101 (3-3.5)						
Mercury, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 21-25 QC Batch ID: WG1974555-4 QC Sample: L2454335-01 Client ID: DUP Sample					
Aluminum, Total	6960	7490	mg/kg	7	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	1.91	1.80	mg/kg	6	20
Barium, Total	5.92	6.39	mg/kg	8	20
Beryllium, Total	0.340J	0.372J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	320	375	mg/kg	16	20
Chromium, Total	12.0	14.3	mg/kg	17	20
Cobalt, Total	3.12	2.95	mg/kg	6	20
Copper, Total	6.88	6.65	mg/kg	3	20
Iron, Total	9580	9340	mg/kg	3	20
Lead, Total	4.80J	4.38J	mg/kg	NC	20
Magnesium, Total	2160	2160	mg/kg	0	20
Manganese, Total	67.0	65.6	mg/kg	2	20
Nickel, Total	14.3	15.9	mg/kg	11	20
Potassium, Total	567	578	mg/kg	2	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	174J	203	mg/kg	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 21-25 QC Batch ID: WG1974555-4 QC Sample: L2454335-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	13.7	14.2	mg/kg	4	20
Zinc, Total	20.2	19.9	mg/kg	1	20
Total Metals - Mansfield Lab Associated sample(s): 21-25 QC Batch ID: WG1974556-4 QC Sample: L2454335-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

Project Name: Not Specified
Project Number: 13740:5

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2453181
Report Date: 09/25/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-20 QC Batch ID: WG1973526-6 QC Sample: L2453181-01 Client ID: SB-101 (3-3.5)						
Zinc, Total	122	146	mg/kg	20		20
Total Metals - Mansfield Lab Associated sample(s): 21-25 QC Batch ID: WG1974555-6 QC Sample: L2454335-01 Client ID: DUP Sample						
Aluminum, Total	6960	7210	mg/kg	4		20
Calcium, Total	320	334	mg/kg	4		20
Iron, Total	9580	10100	mg/kg	5		20
Magnesium, Total	2160	2190	mg/kg	1		20
Manganese, Total	67.0	68.3	mg/kg	2		20

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-01
Client ID: SB-101 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 08:58
Date Received: 09/17/24
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	88.7		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-02
Client ID: SB-102 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:34
Date Received: 09/17/24
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	93.0		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-03
Client ID: SB-103 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:45
Date Received: 09/17/24
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	93.5		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-04
Client ID: SB-104 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:08
Date Received: 09/17/24
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	92.2		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-05
Client ID: SB-105 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 09:18
Date Received: 09/17/24
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	84.5		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-06
Client ID: SB-106 (8-8.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:00
Date Received: 09/17/24
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	71.7		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-07
Client ID: SB-107 (7.5-8)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:12
Date Received: 09/17/24
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	86.7		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-08
Client ID: SB-108 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:28
Date Received: 09/17/24
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	87.7		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-09
Client ID: SB-109 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:43
Date Received: 09/17/24
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	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-10
Client ID: SB-110 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 10:56
Date Received: 09/17/24
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	86.7		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-11
Client ID: SB-111 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:54
Date Received: 09/17/24
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	95.6		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-12
Client ID: SB-112 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:08
Date Received: 09/17/24
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	79.9		%	0.100	NA	1	-	09/18/24 10:19	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-13
Client ID: SB-113 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:29
Date Received: 09/17/24
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	88.0		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-14
Client ID: SB-114 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 11:44
Date Received: 09/17/24
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	91.0		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-15
Client ID: SB-115 (4.5-5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:26
Date Received: 09/17/24
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	87.7		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-16
Client ID: SB-116 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:12
Date Received: 09/17/24
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	92.0		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-17
Client ID: SB-117 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:37
Date Received: 09/17/24
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	90.4		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-18
Client ID: SB-118 (2-2.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:00
Date Received: 09/17/24
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	90.4		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-19
Client ID: SB-119 (3-3.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 12:24
Date Received: 09/17/24
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	89.7		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-20
Client ID: SB-120 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:19
Date Received: 09/17/24
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	89.8		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-21
Client ID: SB-121 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:34
Date Received: 09/17/24
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	86.0		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-22
Client ID: SB-122 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:44
Date Received: 09/17/24
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	90.9		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-23
Client ID: SB-123 (4-4.5)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 13:51
Date Received: 09/17/24
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	88.2		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-24
Client ID: SB-124 (2.5-3)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 14:04
Date Received: 09/17/24
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	88.0		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

SAMPLE RESULTS

Lab ID: L2453181-25
Client ID: SB-125 (3.5-4)
Sample Location: 1140 RIVER AVE. BRONX NY

Date Collected: 09/16/24 14:14
Date Received: 09/17/24
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	89.7		%	0.100	NA	1	-	09/18/24 10:33	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 13740:5

Lab Number: L2453181

Report Date: 09/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1973038-1 QC Sample: L2453181-01 Client ID: SB-101 (3-3.5)						
Solids, Total	88.7	89.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 13-25 QC Batch ID: WG1973040-1 QC Sample: L2453125-01 Client ID: DUP Sample						
Solids, Total	77.0	76.1	%	1		20

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

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(*)
L2453181-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2453181-01B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2453181-02B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2453181-03B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2453181-04B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-05A	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-05B	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-05C	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-05D	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2453181-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2453181-05F	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2453181-05X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-05Y	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-05Z	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-06A	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-06B	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-06C	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-06D	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2453181-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2453181-06F	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2453181-06X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-06Y	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-06Z	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-07A	Glass 60mL/2oz unpreserved	A	NA		2.9	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),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2453181-07B	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-07C	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2453181-08B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2453181-09A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2453181-09B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-10A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2453181-10B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-11A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	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),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2453181-11B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-12A	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2453181-12B	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-12C	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-13A	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-13B	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-13C	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-13D	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2453181-13E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2453181-13F	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2453181-13X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2453181-13Y	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-13Z	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-14A	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2453181-14B	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-14C	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-15A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2453181-15B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-16A	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2453181-16B	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-16C	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-17A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	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),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2453181-17B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-18A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	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),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2453181-18B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-19A	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-19B	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2453181-19C	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-19D	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2453181-19E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2453181-19F	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2453181-19X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-19Y	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-19Z	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-20A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2453181-20B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-21A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-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),NA-TI(180),CD-TI(180)
L2453181-21B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-22A	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2453181-22B	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-22C	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(365)
L2453181-23A	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-23B	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-23C	5 gram Encore Sampler	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-23D	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: 13740:5

Lab Number: L2453181
Report Date: 09/25/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2453181-23E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2453181-23F	Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8082(365)
L2453181-23X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2453181-23Y	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-23Z	Vial Water preserved split	A	NA		2.9	Y	Absent	18-SEP-24 07:33	NYTCL-8260HLW(14)
L2453181-24A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2453181-24B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)
L2453181-25A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	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),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2453181-25B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

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

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

Identified Compounds (TICs). 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:**	L2453181
Project Number:	13740:5	**Report Date:**	09/25/24

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.

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 JERSEY CHAIN OF CUSTODY

L2453181 24SEP24
SESI

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 3

Date Rec'd in Lab 9/17/24

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: 1140 River Ave Bronx NY
Project # 13740.5
(Use Project name as Project #)
Project Manager: Shang Long
ALPHAQuote #:

Deliverables
- [ ] NJ Full / Reduced
- [ ] EQuIS (1 File) [ ] EQuIS (4 File)
- [x] Other Excel & PDF

Billing Information
- [x] Same as Client Info
PO #

Client Information
Client: SESI
Address: 959 Rt 46 E
Parsippany NJ
Phone:
Fax:
Email: shang.long@sesi.org

Turn-Around Time
- [ ] Standard — Due Date:
- [ ] Rush (only if pre approved) — # of Days:

Regulatory Requirement
- [ ] SRS Residential/Non Residential
- [ ] SRS Impact to Groundwater
- [ ] NJ Ground Water Quality Standards
- [ ] NJ IGW SPLP Leachate Criteria
- [x] Other USCO, RSCO & RRSCO

Site Information
Is this site impacted by Petroleum? Yes [ ]
Petroleum Product:

These samples have been previously analyzed by Alpha [ ]

For EPH, selection is REQUIRED:
- [ ] Category 1
- [ ] Category 2

For VOC, selection is REQUIRED:
- [ ] 1,4-Dioxane
- [ ] 8011

Other project specific requirements/comments:
NY Site Regs: USCO, RSCO, RRSCO

Please specify Metals or TAL.
Deliverables: Excel & PDF

ANALYSIS

Sample Filtration
- [ ] Done
- [ ] Lab to do

Preservation
- [ ] Lab to do

(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Metals	SVOCs	VOCs	PCBs	Sample Specific Comments
53181-01	SB-101 (3-3.5)	9/16/2024	0858	Soil	SWG	x	x			
-02	SB-102 (2-2.5)		0934							
-03	SB-103 (4-4.5)		0945							
-04	SB-104 (3-3.5)		0908							
-05	SB-105 (2.5-3)		0918					x	x	
-06	SB-106 (8-8.5)		1000					x	x	
-07	SB-107 (7.5-8)		1012						x	
-08	SB-108 (4-4.5)		1028							
-09	SB-109 (4-4.5)		1043							
-10	SB-110 (2-2.5)		1056							

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
(Fed Ex)	9/16/2024	(Fed Ex)	9/17/24 1235
(Fed Ex)	9/17/24 1525	NJSC	9/17/24 1525
Paul Mazzella	9/17/24 2340	Paul Mazzella	9/17/24 1700

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: 01-14 HC (rev. 30-Sept-2013)

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 2 of 3

Date Rec'd in Lab: 9/17/24

ALPHA Job #: L2453181

Project Information
Project Name:
Project Location: 1140 River Ave. Bronx NY
Project #: 13740.5
(Use Project name as Project #)
Project Manager: Sheng Long
ALPHAQuote #:

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

Deliverables
NJ Full / Reduced
EQuIS (1 File)
EQuIS (4 File)
Other: Excel & PDF

Billing Information
Same as Client Info: X
PO #

Regulatory Requirement
SRS Residential/Non Residential
SRS Impact to Groundwater
NJ Ground Water Quality Standards
NJ IGW SPLP Leachate Criteria
Other: USCO, RSCO

Site Information
Is this site impacted by Petroleum? Yes
Petroleum Product:
& RRSCO: X

Client Information
Client: SESI
Address: 959 Rt 46 E
Parsippany NJ
Phone: 973 808 9050
Fax:
Email: sheng.long@sesiny.com

These samples have been previously analyzed by Alpha

For EPH, selection is REQUIRED:
Category 1
Category 2

For VOC, selection is REQUIRED:
1,4-Dioxane
8011

Other project specific requirements/comments:
NY Site, Regs. USCO, RSCO, RRSCO

Please specify Metals or TAL.
Deliverables: Spreadsheet & PDF

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	Metals	SVOCs	VOCs	PCBs	Total Bottle	Sample Specific Comments
53181-11	SB-111 (2-2.5)	9/16/2024	1154	Soil	SWG	X	X				
-12	SB-112 (3-3.5)		1108						X		
-13	SB-113 (3-3.5)		1129					X	X		
-14	SB-114 (4-4.5)		1144						X		
-15	SB-115 (4.5-5)		1326					[illegible]			
-16	SB-116 (3.5-4)		1212						X		
-17	SB-117 (2-2.5)		1237								
-18	SB-118 (2-2.5)		1300								
-19	SB-119 (3-3.5)		1224					X	X		
-20	SB-120 (2.5-3)		1319								

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]	9/16/2024	[signature] (PACE)	9/17/24 1235
[signature]	9/17/24 1525	NYSC	9/17/24 1525
Paul Mazzella	9/17/24 2310	Paul Mazzella	9/17/24 1700
		[signature]	9/17/24 22:10

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: 01-14 HC (rev. 30-Sept-2013)

Appendix C:

Supporting Documentation

GEOTECHNICAL ENGINEERING REPORT

FOR

PROPOSED CONSTRUCTION OF A 20-STORY BUILDINGS AT 1140 RIVER AVENUE BLOCK 2487, LOT 38 BRONX, NY 10452

Prepared For:
Stagg Group
PO Box 9
Purchase, New York 10577
Attn; Jay Martino/Chris Miele

Prepared By:
Bilow Engineering LLC
99 Franklin Turnpike
Allendale, New Jersey 07401



Jonathan Bilow, PE
December 2, 2024

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INTRODUCTION

This report presents the results of our geotechnical engineering evaluation for the proposed construction of a New 20-story Building on Lot 38 of Block 2487 in Bronx, NY. This corner property is bound by McClellan Street on the north and River Avenue on the west. We have summarized and evaluated the subsurface exploration and soil laboratory test results and provided geotechnical engineering recommendations for the foundation design and construction of the proposed development.

This report has been prepared per the Site Plan by Newman Design dated August 19, 2024, and per our conversations with the project team. The ground-surface elevations provided in this report are interpreted from the Survey Drawing by Statewide Land Surveying PC dated August 31, 2024. Elevations from the survey are with respect to the North American Vertical Datum (NAVD88), and those reported herein should be considered approximate rather than precise.

SITE DESCRIPTION

The "Site" (Block 2487, Lot 38) is an existing at-grade parking lot bordered by Mc. Clellan Street is on the north, and River Avenue is on the west. The site has an approximate area of about 17,275 square feet with about 189 feet of frontage along River Avenue and about 60 feet along Mc. Clellan Street. The street grade along River Avenue slopes El 34 to 39 (from south to north) and El 39 to El 43 (from west to east). The at-grade parking lot surface grades vary from 34 to 41 (west to east).

To the west of the site above River Avenue is a New York City Transit (NYCT) elevated subway line that serves the "4" line. The tunnel column is about 15 feet from the western property line.

A site location map is presented in Figure No. 1, and a site survey is included in Appendix A.

Adjacent Properties

Two properties border the site on the east and the south. Limited information regarding the foundations and the lowest-level slab elevation of the adjacent buildings is available at the time of this study. We recommend that the presence of any below-grade levels should be verified in the field with test pits. The adjacent buildings are summarized as follows:

- 1111 Gerard Avenue (Block: 2487 Lot: 42) is occupied by a six-story building with an at-grade parking lot constructed circa 1991 and borders the site on the east. The building abuts the northern part of the east property line and is offset by 30 to 40 feet on the southern part of the east property line. A below-grade basement exists at this property and the actual extents and depths are to be confirmed with test pits.

- 1083 Gerard Avenue (Block: 2487 Lot: 32) is occupied by multiple three-story buildings with at-grade parking lots and borders the site on the south. The building abuts the eastern part of the

south property line, and the parking lot borders the western part of the south property line. Below-grade basement extents and depths are to be confirmed with test pits.

The number of stories in the adjacent buildings was obtained from Building Department records and the survey provided.

Flood Insurance Rate Map

We have reviewed the Preliminary Flood Insurance Rate Map (PFIRM) for New York City by the Federal Emergency Management Agency (FEMA), Community Panel No. 3604970083G, dated December 5, 2013. According to this map, the site falls outside Flood Zone X (a 500-year flood zone or areas subject to inundation by 0.2% annual chance of flood). The FEMA PFIRM map is shown in Figure No. 2.

PROPOSED DEVELOPMENT

According to the drawings provided by the project team, the proposed development consists of constructing a 20-story building with one below-grade level. At the time of this report, structural loads are unavailable.

SUBSURFACE EXPLORATION

Our subsurface investigation consisted of drilling nine borings and measuring groundwater readings in the existing monitoring well. The approximate boring locations are shown in Figure No. 3.

Test Boring Exploration

Borings, B-1 through B-9, were completed by Axciss Geotechnical Drilling using a track-mounted rig between September 30 and October 4, 2024, under the full-time inspection of Bilow Engineering.

Borings were drilled to depths of 20 to 37 feet below the site grade and were advanced using mud-rotary drilling techniques, a tri-cone roller bit with drilling fluid, and a steel casing to provide soil stabilization. Standard Penetration Tests (SPT)[1] were performed in the soil layers using an automatic hammer and standard split spoon sampler (ASTM D1586). Recovered soil samples were visually examined and classified in the field in accordance with the United Soil Classification System (USCS) and assigned classification numbers in accordance with ASTM D2487 and the Building Code. Rock exploration was performed when encountered and rock samples were visually examined.

[1] The Standard Penetration Test is a measure of soil density and consistency. The SPT N-value is defined as the number of blows required to drive a 2-inch-outer-diameter split-barrel sampler 12 inches using a 140-pound hammer falling freely for 30 inches.

Soil and rock classification, SPT N-values, and other field observations were recorded on the boring logs, and a copy of the boring log is included in Appendix B.

Laboratory Testing

Geotechnical laboratory tests were conducted on representative soil samples to define the index (physical and mechanical) properties. The laboratory test program consisted of:

- Six mechanical grain-size determinations (sieve analysis; ASTM D6913)
- Six natural-water content determinations (ASTM D2216)

The laboratory test results are included in Appendix C.

SUBSURFACE CONDITIONS

The general subsurface profile consists of a layer of uncontrolled fill, underlain by a sand layer (with varying amounts of silt and gravel), underlain by decomposed rock, and finally competent bedrock until boring termination depths. The subsurface profiles are included in Figures Nos. 4 through 7. Detailed descriptions of each subsurface stratum are given below in order of increasing depth.

Uncontrolled Fill [Class 7][2]

The uncontrolled fill layer was encountered at the site, extending to about 4 to 8 feet below the site grade. The fill consists of sand with varying amounts of silt, gravel, brick, and asphalt. SPT N-values in the fill layer ranged from 5 to 31 bpf, with an average of about 14 bpf. The fill is considered loose to dense and is classified as Building Code Class 7 material, Controlled and Uncontrolled Fills.

Sand [Class 3a, 3b, and 6]

In borings B-1 to B-5, about a 5-to 10-foot-thick sand layer was encountered directly below the fill layer to the top of the decomposed rock layer. The sand layer in boring B-8 is observed to be 15 feet thick. The sand generally was brown, medium-to fine-grained, with varying amounts of silt. SPT N-values in the sand ranged from 2 to 52 bpf, averaging about 21 bpf.

Laboratory tests of the seven samples in this soil stratum indicated that the moisture content ranged from 8% to 19%, with an average of 13%.

The sand is considered loose, medium-dense, and dense. It is classified as SP, SM, and SP-SM and designated as Building Code Class 3a, 3b, and 6 materials.

[2] Numbers in brackets indicate a classification of soil materials in accordance with the 2022 New York City Building Code.

Decomposed Rock [Class 1d]

A 5- to 15-foot-thick decomposed rock layer was encountered directly below the sand layer and continued to the top of the competent bedrock layer. The decomposed rock was generally gray and brown mica schist with varying amounts of sand and silt. SPT N-values were collected in this layer, and the N-values were above 100 bpf. Rock cores were collected where possible, and the REC values ranged from 27% to 97%, averaging 66%, and the RQD values ranged from 0% to 28%, averaging 19%.

The decomposed bedrock is designated as Building Code Class 1d material, “Decomposed Rock.”

Bedrock [Class 1b and 1c]

Bedrock was found below the decomposed rock and generally consisted of moderately to slightly weathered, gray mica schist. The top of the bedrock varied from el 7 to 36, which is about 3 to 30 feet below the site slab. Lenses of decomposed rock were observed within the bedrock layer. Rock-core recovery (REC) values were between 55 and 100 percent, averaging 84 percent. Rock-quality designations (RQD) were between 35 and 67 percent, averaging 50 percent.

The bedrock is designated as Building Code Class 1b and 1c, “Medium Hard Rock and Intermediate Rock.”

Groundwater

The groundwater was not encountered until the boring drilling depths in bedrock. Based on the experience in similar geological conditions, we interpret that groundwater would be perched on top of the bedrock during rainfall events – the borings were performed during drought season.

SEISMIC EVALUATION

This section provides the results of our seismic evaluation of the site in accordance with the general procedures outlined in the Building Code.

Based on the soil conditions encountered at the site with the proposed footings bearing on native soils (deeper than 10 feet), we recommend the site be designated Site Class C – Very Dense Soil and Soft Rock Profile, assuming that the proposed structure will be Structural Occupancy/Risk Category II (Building Code Table 1604.5).

The table below provides our recommended parameters for the proposed structure's seismic design. The architect and structural engineer must confirm the structural occupancy/risk and seismic design categories. We note that if the proposed building's depth is altered, the seismic design parameters could change and will need to be evaluated.

Table No. 1 - Building Code Seismic Design Parameters

Seismic Design Parameter	Recommended Value	2022 NYCBC Reference
Mapped Spectral Acceleration for short periods (S_s)	0.296 g	Section 1613.3.1
Mapped Spectral Acceleration for the 1-second period (S_1)	0.061 g	
Site Class	C	Table 1613.3.4.1
Site Coefficient for short periods (F_a)	1.30	Table 1613.3.3(1)
Site Coefficient for the 1-second period (F_v)	1.50	Table 1613.3.3 (1)
Design spectral response acceleration at short periods (S_{DS})	0.257 g	Section 1613.5.4
Design spectral response acceleration at 1-sec period (S_{D1})	0.061 g	
Seismic Design Category	B	Table 1613.3.5

Liquefaction Potential

The seismic provision of the Building Code requires an evaluation of the liquefaction potential of sand, silt, and non-cohesive materials below the groundwater table and up to 50 feet below the ground surface or to the top of the bedrock. As the groundwater is not observed within the borings, liquefaction need not be considered for the proposed foundation design.

FOUNDATION RECOMMENDATIONS

We understand that the proposed building will have a cellar level below the site grade, and the bearing stratum is assumed to be at el 28, which is about 10 feet below the site grade. For the proposed cellar excavation to el 28, the building will be bearing on the Building Code Class 3a and 3b or better material. We have not been provided with the structural foundation loads; however, considering the building height, we recommend that consideration be initially given to supporting the new building on a shallow foundation bearing on Class 3a or 3b or stratum. For Building Code Class 3a, the recommended allowable bearing capacity is 6 tons per square foot (tsf), and for Class 3b material, the bearing capacity is 3 tsf. Class 3b soils were encountered around borings B-5 and B-8, as shown in the bearing capacity map in Figure 8. We estimated an initial (during construction) total settlement of about 0.375 to 0.5 inches for this load.

The bottom of the proposed footings on the northeast should match the bottom of the adjacent building's footings.

The foundation stress and deformations are estimated by performing structural analyses, which require a modulus of subgrade reaction value. For a shallow footing bearing on the 3a soils, we recommend a modulus of subgrade reaction value between 50 and 100 PCI, and for 3b soils, the subgrade modulus is between 35 and 75 PCI. The structural engineer's plots of estimated footing stresses and settlements

should be provided to us for review. If the foundation stresses or settlements are greater than the recommended values, especially close to the adjacent buildings, settlement-reducing elements (e.g., piles) may be required at specific locations.

All the foundations should be below the frost line at a minimum of 4 feet below the site grade and be placed on the native soil stratum. If appropriate bearing material is not encountered at the foundation elevation, the unsuitable material should be removed until the appropriate bearing material is encountered.

Design Groundwater Level

The groundwater was not observed within the borings, but groundwater is typically observed on top of the bedrock, and the ongoing drought might have influenced the groundwater conditions on-site. For design purposes, we recommend a design groundwater level of about el 32 to account for periods of prolonged precipitation events, utility breaks, etc.

Floor Slab

We recommend placing a 6-inch-thick layer of clean crushed stone below the proposed slab-on-grade to allow for uniform bearing.

The contractor should take appropriate measures to protect the subgrade against the effects of adverse weather conditions. Any deleterious material or silt and clay encountered at the slab elevation shall be removed and replaced with structural fill or crushed stone before the placement of the slab.

Rock Anchors

Uplift forces can be resisted by tie-down anchors socketed into bedrock. Rock Anchors should be double-corrosion-protected, consisting of a PVC sheathing and grout encapsulation around the anchor bar to the top of the rock. An allowable tensile capacity of 100 tons can be achieved by using a 1-3/4-inch threaded bar (Grade 150) with 6,000 psi grout and a minimum bond length of 20 feet with a 6-inch socket diameter. A minimum free length of 10 feet should be provided. The contractor should be cautious with their drilling means and methods as lenses of decomposed rock were observed within the bedrock layer.

The free-stressing length of the anchor should be proportionated such that the dead weight of the engaged rock mass is greater than the individual anchor load or the sum of the group anchor loads. The engaged rock mass should be defined as the wedge formed by extending a plane 45 degrees vertically from the midpoint of the bond length. The rock-mass wedge should extend upwards from the outermost anchor, and the bottom of the wedge should be a level plane through the midpoint of the anchors.

The anchor bond length should be proportioned using an allowable peripheral shear resistance in the uplift of 100 psi multiplied by the nominal socket peripheral area. At least 10 percent of the anchors should

be performance-tested in accordance with the Post-Tensioning Institute (PTI), and the remaining anchors should all be proof-tested.

Permanent Below-Grade Walls

Permanent below-grade foundation walls should be designed to resist static lateral earth pressures and surcharge loads. In accordance with Section 1802.2 of the Building Code, dynamic earth pressures need not be considered in the design for structures assigned to Seismic Design Category B. Our recommended earth pressures acting against the wall vary in soil and with respect to the groundwater level. All perimeter walls should be designed for surcharge pressures as described below. The lateral earth pressure diagram is included in Figure No. 6.

For the areas where the wall is backfilled, or soil is present behind the wall, we recommend the wall be designed for static loading conditions that will consist of a triangular earth pressure distribution having an equivalent fluid weight of 60 pounds per square foot per foot of depth (at rest condition).

Lateral pressures from the sidewalk and any other surcharge loads should be added as a uniform soil pressure equal to 50 percent of the vertical pressure, applied over the height of the wall where the soil is present. We recommend that a vertical surcharge load of 600 pounds per square foot (psf) be considered for the north and west perimeter below-grade walls (fire-truck loading). A surcharge of 300 psf is to be considered for the east and south perimeter below-grade walls.

Waterproofing

We recommend that the below-grade slabs and walls be fully waterproofed with membrane-type waterproofing such as Preprufe (300R for horizontal applications and 160R for vertical applications) and Bituthene products by GCP Applied Technologies (GCP).

For all waterproofing applications, a diligent inspection of waterproofing materials is critical, especially during the placement of reinforcement for the slabs and foundation walls. The vertical waterproofing should be protected with a rigid barrier to prevent damage during backfilling. The substrate to receive horizontal waterproofing should be a 3-inch-thick lean concrete working surface (mud mat). Holes or rips in the waterproofing membranes should be repaired in accordance with the manufacturer's recommendations.

In addition to waterproofing, the foundation walls should have a drainage panel such as Hydroduct by GCP, or an approved equivalent. The drainage panel will provide protection for the waterproofing membrane and minimize water from accumulating against the foundation walls. The use of bentonite waterproofing or negative-side crystalline waterproofing is not recommended.

We recommend that a warranty be obtained from the manufacturer and installer to cover materials and workmanship. Only certified installers should be used to perform the waterproofing work. Diligent

protection and quality control are critical in producing a final product that limits the potential for seepage. Detailed daily inspections should be performed to document any damage resulting from the contractor's activities. Repairs should be made as soon as possible. Repairs should be made as soon as possible and should be made per the manufacturer's recommendations. A representative of the manufacturer should perform a final inspection and approve all work prior to concrete pours.

Under-Slab Drainage System

We recommend an under-slab drainage system below the slab-on-grade to mitigate hydrostatic loads and reduce the potential for water infiltration from seepage and intermittent rises in groundwater. The underslab drainage system should consist of a minimum 12-inch-thick layer of free-drainage gravel or crushed stone that conforms to the requirements of New York State Department of Transportation Item 605.0901, Underdrain Filter Type I or AASHTO No 57 stone. The use of recycled concrete aggregate (RAC) or blasted rock, locally known as "mole-rock," shall not be permitted in place of the recommended free-drainage gravel or crushed stone, as the fines can clog the drainage system.

We recommend installing drainage pipes consisting of a minimum 4-inch diameter, Schedule 40, perforated PVC conforming to ASTM D1785. The pipes should be integrally connected and should outlet into a suitable sump pit for discharge via a pump. The pipe network should be installed with a maximum spacing of 20 feet on the center. Clean-outs should be provided at the ends and at appropriate intermediate locations of pipe runs to allow maintenance of the system.

A mechanical engineer must design the sump and pumping system. The system should include a de-sander and sump to be used in conjunction with a duplex pumping arrangement. A duplex pump scheme is recommended to account for maintenance and emergency situations. An automatic float valve to actuate the pumps and a high-water alarm are common safety precautions and should be designed as part of the building's mechanical system. For the design of the sump and pumping system, the rate of seepage should be observed during excavation, and the actual daily inflow can be measured by the pumping required to keep the site dry. An under-slab drainage option requires permanent maintenance; power loss should be taken into account, and consideration should be given to installing emergency power generators. Cleanouts are recommended within the system to allow flushing of the drainage pipes.

The rules of the City of New York (Title 15, Chapter 19, Section 19-02) prohibit pumping groundwater into sewers under long-term conditions. As stated above, the system is intended to collect seepage, and intermittent rises in groundwater level and is not intended as a dewatering system. Groundwater discharge permits are required for discharge volumes greater than 10,000 gallons per day (7 gpm) and are effective for a term of only one year. Therefore, this portion of the DEP rules does not allow the long-term pumping of groundwater into the sewer system. We believe that the groundwater flow into the underslab drainage will be relatively small. If seepage measured during the excavation is greater than an average of 10,000 gallons per day, the under-slab drainage system will not be in accordance with the DEP regulations.

CONSTRUCTION RECOMMENDATIONS

Our recommendations for various construction-related activities are provided below.

Excavation and Rock Removal

Construction of the foundation elements will require excavation in soil, weathered rock, and bedrock. Soil strata can be excavated using conventional earth-moving equipment. Abandoned concrete and brick foundations are to be expected below grade. A pneumatic hammer may be required to break up existing foundations. Removal of existing structures adjacent to abutting buildings may require excavation using hand methods.

Local temporary soil excavations above the natural groundwater level can have soil slopes as steep as 1.5H:1V. The slopes of any excavation adjacent to the existing structures should be no steeper than 2H:1V. All excavations steeper than 2H:1V adjacent to the structures will require temporary support.

Cellar construction will also require rock removal. Common rock excavation methods include ripping, mechanical impactors (hoe rams), chemical splitting, and/or blasting. Hoe rams may be sufficient to remove the rock where joints are inclined. Blasting or chemical splitting is likely required to break harder rock, and pre-drilling will be necessary for individual footings. Blasting is not recommended, given the proximity of adjacent buildings and NYCT elevated structures. During rock excavation, special care should be taken to minimize foundation rock damage (overbreak) vibrations and damage to any existing neighboring structures and utilities. Excessive damage to rock in the rock-cut perimeter walls may result in excavation instability. All rock excavations adjacent to the existing buildings and along the excavation at River Avenue should be line drilling with holes spaced at close centers prior to peeling, chipping, or blasting to reduce overbreak beneath adjacent structures and provide a better surface for cellar wall construction.

A New York State licensed Professional Engineer should design the support of excavation drawings. Excavations must not undermine neighboring buildings and the right of way.

Subgrade Preparation and Protection

Foundation-bearing surfaces should be level and clear of debris, standing or frozen water, and other deleterious materials. Soils should be excavated with care to avoid disturbances below the bearing elevation. We recommend that the final 3 inches of excavation be performed with flat-bladed buckets in open areas and by hand in confined areas. The subgrade should be protected from the effects of frost, precipitation, groundwater, and surface water run-off and construction until the concrete is cast. As such, we recommend that the contractor limit the area of the exposed subgrade to prevent deterioration of bearing conditions; however, excavations should be made large enough to allow passage of the compactor.

Areas disturbed by excavation and other areas found to be unacceptable should be excavated and replaced with free-draining gravel or crushed stone. Structural fill, Controlled Low Strength Material (CLSM), or lean concrete may be used in lieu of gravel or crushed stone, subject to the approval of the Geotechnical Engineer based on a review of in-situ conditions at the time of excavation. The resulting subgrade following placement of fill and compaction should be firm and unyielding under the weight of heavy equipment without evidence of rutting, pumping, or heaving. Vibratory compaction should not be performed on soils within 2 feet of the groundwater table or that are not within 2 percent of optimum moisture content. Compaction should be discontinued in the event that soils are observed to "pump or heave" due to wet conditions.

Following compaction, slab and foundation subgrades should be capped with 3 inches of crushed stone fill. This material will help protect the subgrades from degradation and can be used to assist in the conveyance of water during dewatering activities. A mud slab should be cast to provide protection and may be required to provide a suitable substrate for waterproofing.

A New York state-licensed engineer must verify bearing material in accordance with the Building Code requirements prior to placement of fill or concrete.

Temporary Groundwater Control

Based on the measured groundwater levels, the general site excavation is not planned to encounter groundwater. The contractor should take appropriate measures to protect the site and open excavations from weather elements such as rain and snow. Controlling the surface water runoff (rainfall) during excavation and foundation construction will be critical for proper subgrade preparation. If any water is encountered, it can be removed with conventional sump wells.

All groundwater discharged from the site into city sewers will require temporary dewatering permits from the NYC Department of Environmental Protection. The temporary dewatering system should consider limiting the influence of the drawdown and the potential detrimental effects on the neighboring buildings.

Fill Material, Placement, and Compaction Criteria

Any material used for backfilling around foundations and walls should consist of structural fill as defined by the Building Code. Controlled fill should consist of sand, gravel, crushed stone, crushed gravel, or a mixture of these and must be free of organic, frozen, and other deleterious materials. The fill materials should have a maximum particle size not greater than 3 inches and have less than 10% by dry weight passing a No. 200 sieve. The fill should be compacted to at least 95% of the material's maximum dry density as determined by the Modified Proctor Compaction Test (ASTM D1557). The existing fill may be used as long as it meets the gradation requirements discussed above. The use of recycled concrete aggregate, or the byproduct of blasting/tunneling (commercially known as mole rock), is not recommended for backfill. The top layer of landscaping material should be in accordance with the City of

New York Parks & Recreation requirements.

Fill should be placed in uniform 3-inch-thick loose lifts. Lightweight compaction equipment should be used adjacent to subgrade walls. The appropriate water content at the time of compaction should be plus or minus two percentage points of optimum water content as determined by the laboratory compaction tests of the proposed fill. No fill should be placed on areas where standing water is observed or on frozen subsoil areas.

PRECONSTRUCTION CONDITIONS DOCUMENTATION AND MONITORING

Preconstruction Conditions Documentation

The preconstruction documentation of all structures and the elevated NYCT structure within 50 feet of the proposed work to provide the owner and foundation contractor, etc., with documentation of existing conditions in the event of a future damage claim. The purpose of these observations is to provide a photographic or video documentation representation of the existing general conditions and to identify obvious visual deficiencies. This documentation should also identify areas requiring specific monitoring during construction, including optical surveying and vibration monitoring. The structural integrity of the structure is not commonly addressed in such documentation.

Monitoring Program

During excavation, a precise optical survey and instrumentation program should be implemented by the foundation contractor to monitor for vertical and horizontal movements of all adjacent structures to evaluate construction procedures. A monitoring plan submission to NYCT should be made to determine the monitoring program within the adjacent elevated structure.

The survey should be performed weekly, with measurements taken to the nearest 0.005 of a foot. A licensed surveyor should perform the survey. Criteria for allowable movements of structures should be finalized after a building pre-construction survey is completed.

Ground vibrations may develop during construction and excavation. Ground vibrations in nearby structures should be monitored during construction using seismographs. The ground vibrations should be monitored using a threshold-type seismograph capable of measuring 0.02 of an inch.

In addition to survey points and seismographs, telltale crack reference gauges should be monitored within the adjacent structures. The crack gauges should be sensitive to 0.001 of an inch and should be read at least once daily.

We recommend completing a monitoring plan and project specifications before construction and excavation. The plan and specifications would detail the methods and equipment required for monitoring vibration and movement and would provide movement criteria and requirements for the frequency of

readings and reporting.

CONSTRUCTION DOCUMENTS AND QUALITY ASSURANCE

Technical specifications and design drawings should incorporate Bilow Engineering's recommendations. Bilow Engineering will assist the design team in preparing specification sections related to geotechnical issues such as earthwork, backfill, and excavation support when authorized. Bilow Engineering should also, when authorized, review foundation drawings prepared by the structural engineer and contractor submittals relating to materials and construction procedures for geotechnical work.

Bilow Engineering has investigated and interpreted the site subsurface conditions and developed general foundation design recommendations contained here and is, therefore, best suited to perform quality-assurance observation and testing of geotechnical-related work during construction. This work requiring quality-assurance confirmation includes but is not limited to, earthwork, backfill, deep foundations, and excavation support. Recognizing that construction is essentially the completion of design, Bilow Engineering's quality-assurance observation and testing during construction is necessary to maintain our continuity of responsibility on this project.

QUALITY CONTROL DURING CONSTRUCTION

The contractor is responsible for construction quality control, which includes satisfactorily constructing the foundation system and any associated temporary works to achieve the design intent while not adversely impacting or causing loss of support to the neighboring structures. Construction activities that can alter the existing ground conditions, such as excavation, fill placement, foundation construction, ground improvement, pile driving/drilling, dewatering, etc., can also potentially induce stresses, vibrations, and movements in nearby structures and utilities and disturb occupants of nearby structures. Contractors working at the site must ensure that their activities will not adversely affect the performance of the structures and utilities and will not disturb occupants of nearby structures. Contractors must also take all necessary measures to protect the existing structures during construction. By using this report, the owner agrees that Bilow Engineering will not be held responsible for any damage to adjacent structures.

The preparation and use of this report are based on the condition that the project construction contract between the owner and their contractors will include (1) Bilow Engineering being added to the project wrap and the contractor's general liability insurance as an additional insured, and (2) language specifically stating the foundation contractor will defend, indemnify, and hold harmless the owner and Bilow Engineering against all claims related to disturbance or damage to adjacent structures or properties.

DISCLAIMER AND LIMITATIONS

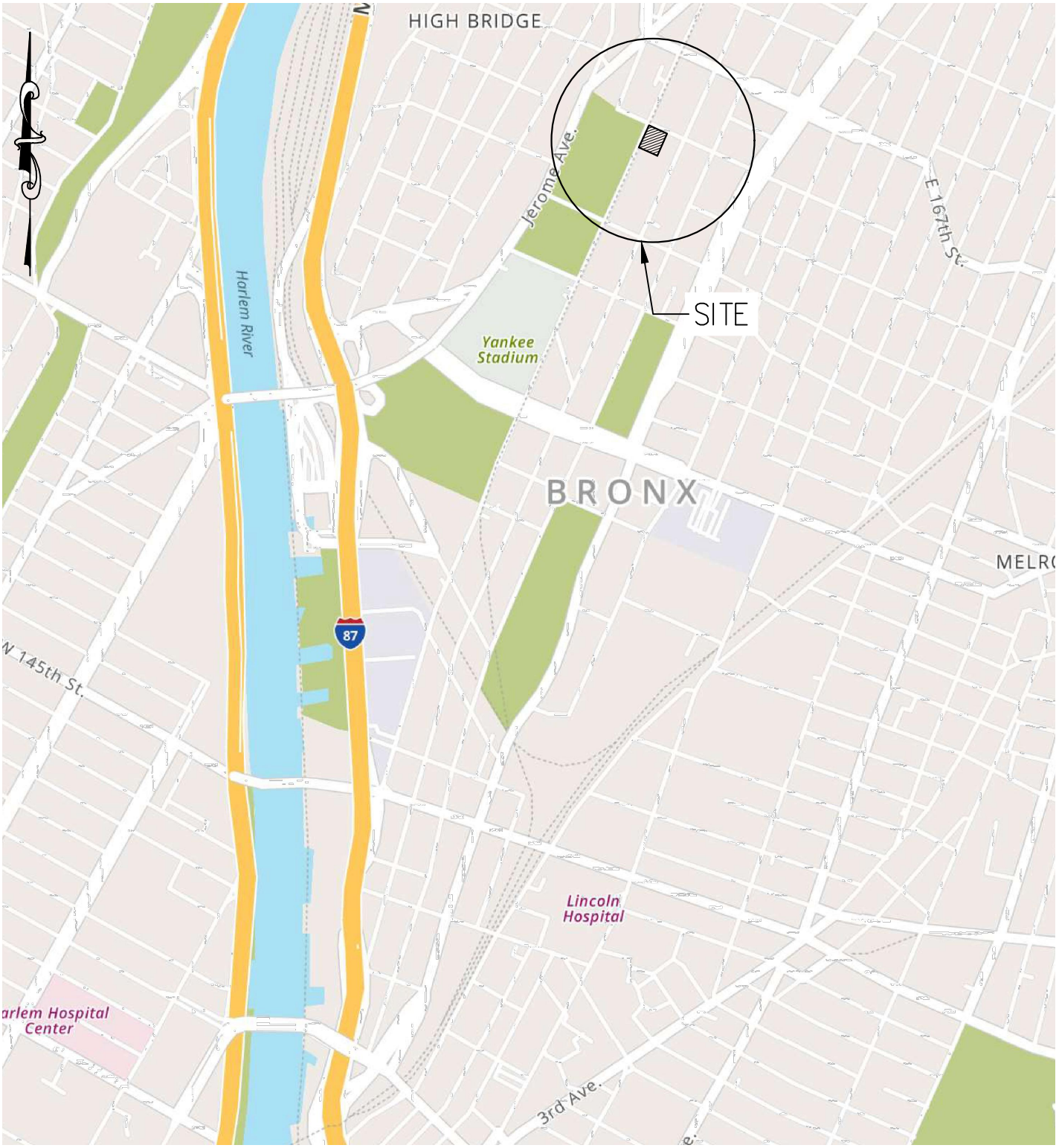
The conclusions and recommendations provided in this report result from our interpretation of the geotechnical conditions at the site inferred from a limited number of borings performed by others and information provided by the Ownership and Structural Engineer. Actual subsurface conditions may vary. Recommendations provided are dependent upon one another, and no recommendation should be followed independently of the others. This study has been conducted in accordance with the standard of care commonly used as state-of-the-practice in the profession. No warranties, expressed or implied, are made.

Any proposed changes in structures or their locations should be brought to Bilow Engineering's attention as soon as possible so that we can determine whether such changes affect our recommendations. Information on subsurface strata and groundwater levels interpreted from the boring logs represent conditions encountered only at the locations indicated and at the time of the investigation. Different conditions encountered during construction should immediately be brought to Bilow Engineering's attention for evaluation, as they may affect our recommendations.

This report has been prepared to assist the owner and structural engineer in the design process and is only applicable to the design of the specific project identified. The information in this report cannot be used or depended on by engineers or contractors involved in evaluations or designs of facilities (including underpinning, grouting, stabilization, etc.) on adjacent properties, which are beyond the limits of that which is the specific subject of this report.

Environmental issues (such as permitting or potentially contaminated soil and groundwater) are outside the scope of this study and should be addressed in a separate evaluation.

FIGURES



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ALLENDALE
NEW JERSEY 07401

PROJECT:	DRAWING TITLE:	DATE:	FIGURE NO:
1140 RIVER ROAD BLOCK#: 2487, LOT#: 38 BRONX, NY 10452	SITE LOCATION MAP	DEC 2, 2024 DRAWN BY: SB CHECKED BY: JB	1



1 FLOOD INSURANCE RATE MAP
SCALE: 1"=500'

0 250 500 1000 Feet

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Limit of Moderate Wave Action
- 513 — Base Flood Elevation line and value; elevation in feet*
- (El. 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- Culvert, Flume, Penstock or Aqueduct
- Road or Railroad Bridge
- Footbridge
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4278000m N — 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid values: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

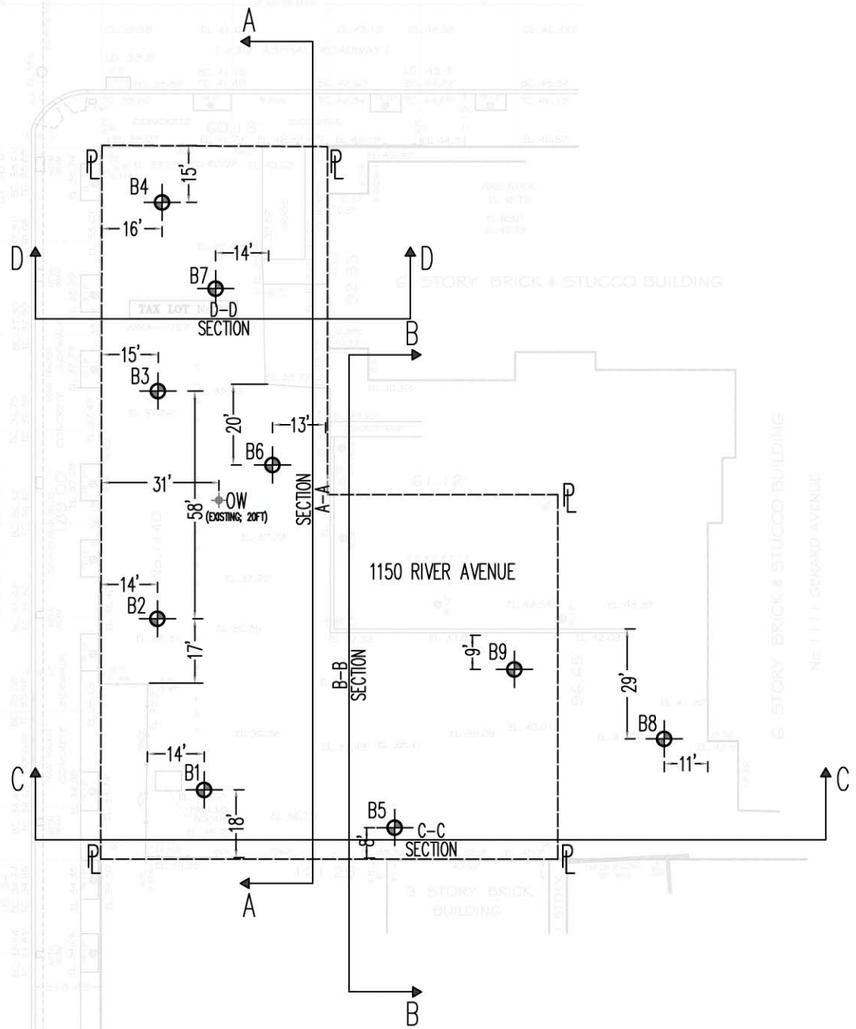
FLOOD INSURANCE RATE MAP REVISIONS

For descriptions of revisions see Notice to Users page in the Flood Insurance Study report.

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SOURCE:
FEMA FLOOD INSURANCE RATE MAP FOR THE CITY OF NEW YORK, BRONX
PANEL 83 OF 457 [3604970083G] PRELIMINARY MAP, DATED DECEMBER 5, 2013.

PROJECT: 1140 RIVER ROAD BLOCK#: 2487 LOT#: 38 BRONX, NY 10452	DRAWING TITLE: FEMA FLOOD INSURANCE RATE MAP	DATE: DEC 2, 2024 DRAWN BY: SB CHECKED BY: JB	FIGURE NO: 2



BORING LOCATION PLAN

SCALE: 1" =40'-0"

BORING LOCATION PLAN BASED UPON A SURVEY
PERFORMED BY STATEWIDE LAND SURVEYING P.C. ON 8/31/24.

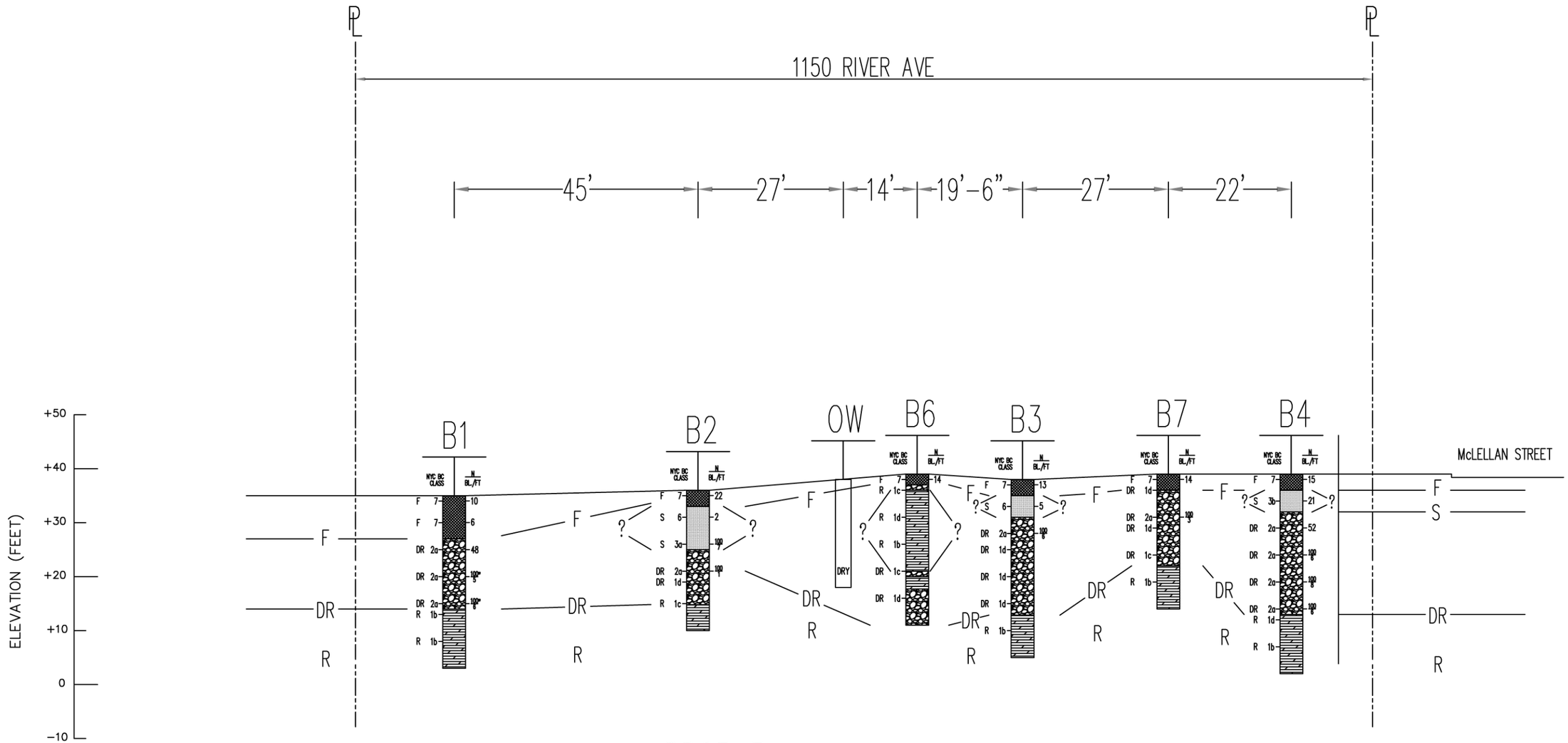
NOTES:

1. BORING LOCATIONS ARE APPROXIMATE.
2. BORINGS WERE DRILLED UNDER FULL ENGINEERING INSPECTION BY BILOW ENGINEERING, LLC. BETWEEN 9/30/24 AND 10/4/24.
3. A REPRESENTATIVE OF BILOW ENGINEERING WAS PRESENT AT THE TIME OF THE SITE VISITS TO COLLECT SOIL SAMPLES.

BILOW ENGINEERING L.L.C.
JONATHAN BILOW, P.E.
N.Y.P.E. LIC. NO. 077650-1
99 FRANKLIN TURNPIKE AVENUE ALLENDALE, NEW JERSEY
TEL. (973)868-8108

1150 RIVER AVE
BORING LOCATION PLAN
THE BRONX NEW YORK

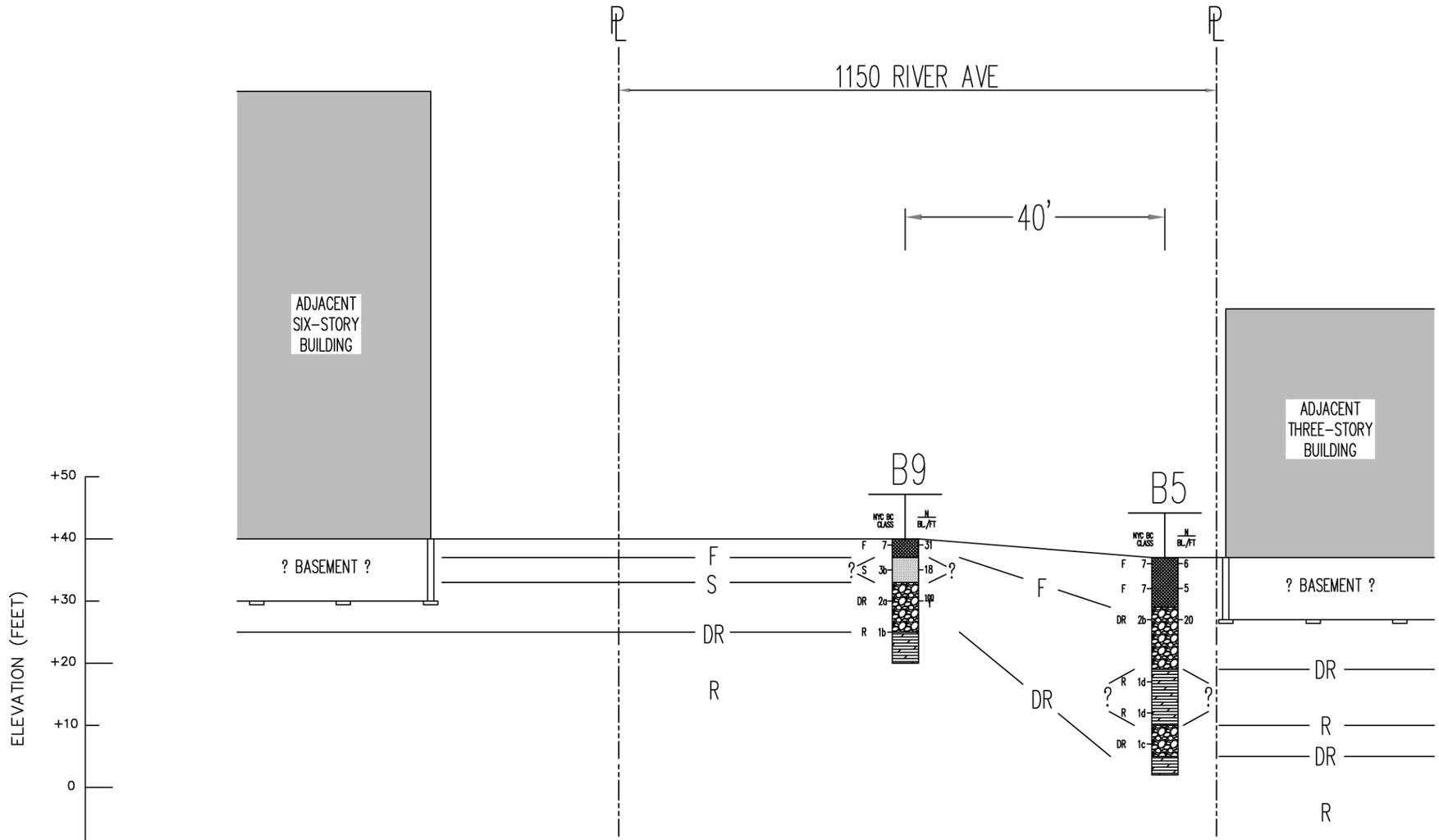
PROJECT 12032	SCALE: 1"=40'-0"	DATE: 11/1/24	FIGURE 3



PROFILE A-A

SCALE: 1" = 20"

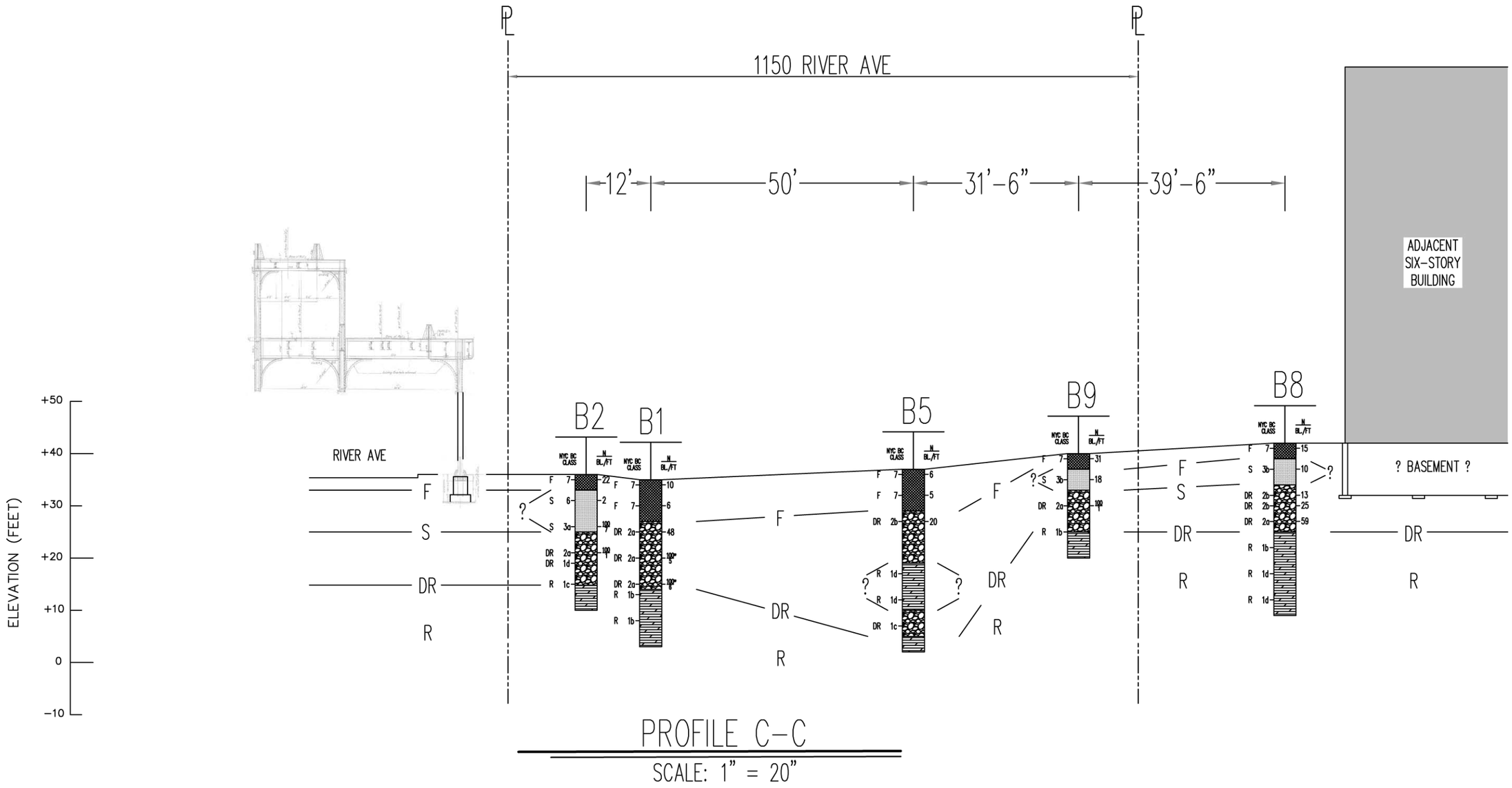
BILOW ENGINEERING L.L.C. JONATHAN BILOW, P.E. N.Y.P.E. LIC. NO. 077650-1 99 FRANKLIN TURNPIKE AVENUE ALLENDALE, NEW JERSEY TEL. (973)868-8108	1150 RIVER AVE BORING PROFILE A-A THE BRONX NEW YORK		
	PROJECT 12032	SCALE: 1"=20"	DATE: 11/1/24	FIGURE 4



PROFILE B-B

SCALE: 1" = 20"

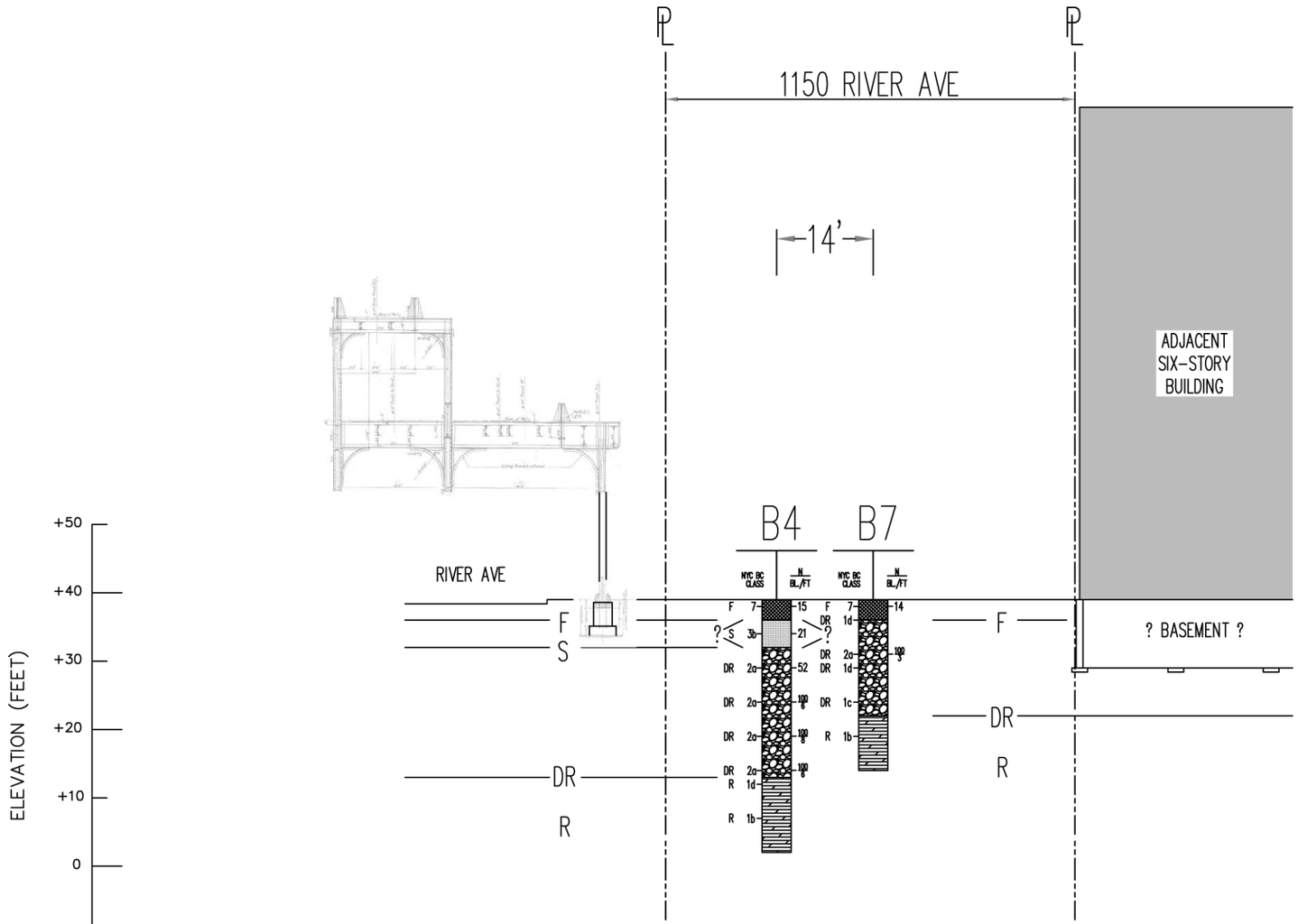
BILOW ENGINEERING L.L.C. JONATHAN BILOW, P.E. N.Y.P.E. LIC. NO. 077650-1 99 FRANKLIN TURNPIKE AVENUE ALLENDALE, NEW JERSEY TEL. (973)868-8108	1150 RIVER AVE BORING PROFILE B-B THE BRONX NEW YORK		
	PROJECT 12032	SCALE: 1"=20"	DATE: 11/1/24	FIGURE 5



PROFILE C-C

SCALE: 1" = 20"

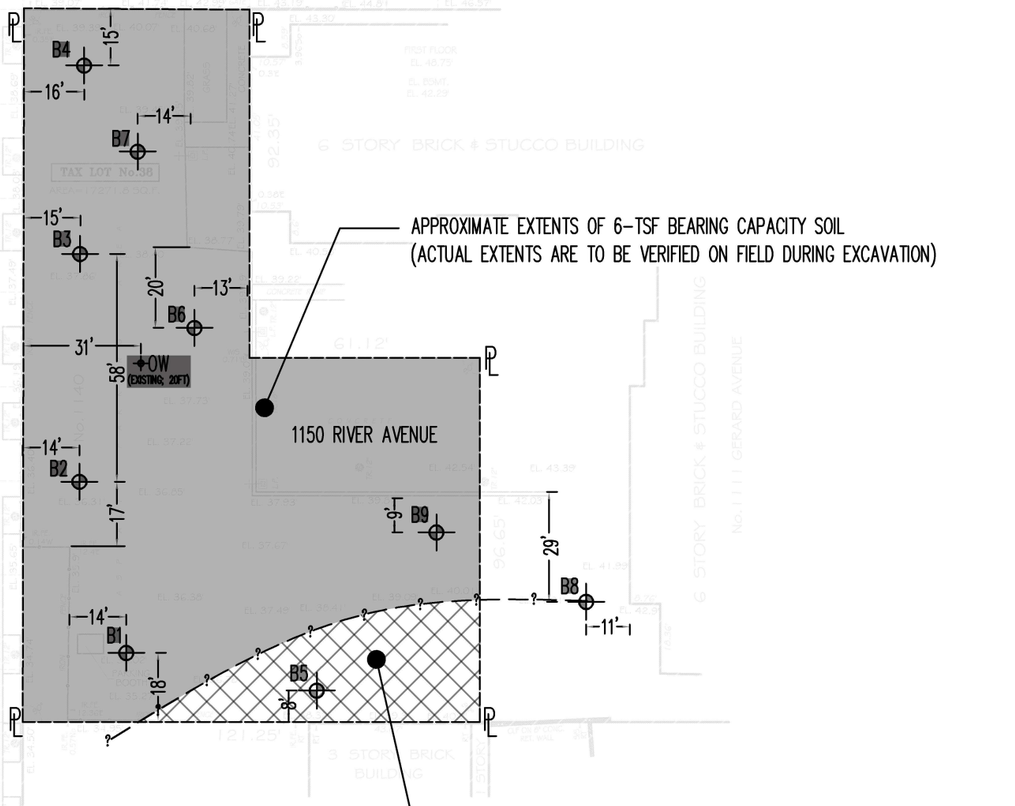
BILOW ENGINEERING L.L.C. JONATHAN BILOW, P.E. N.Y.P.E. LIC. NO. 077650-1 99 FRANKLIN TURNPIKE AVENUE ALLENDALE, NEW JERSEY TEL. (973)868-8108	1150 RIVER AVE BORING PROFILE C-C THE BRONX — NEW YORK		
	PROJECT 12032	SCALE: 1"=20"	DATE: 11/1/24	FIGURE 6



PROFILE D-D

SCALE: 1" = 20"

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	PROJECT 12032	SCALE: 1"=20"	DATE: 11/1/24	FIGURE 7



BORING CAPACITY PLAN

SCALE: 1" =40'-0"

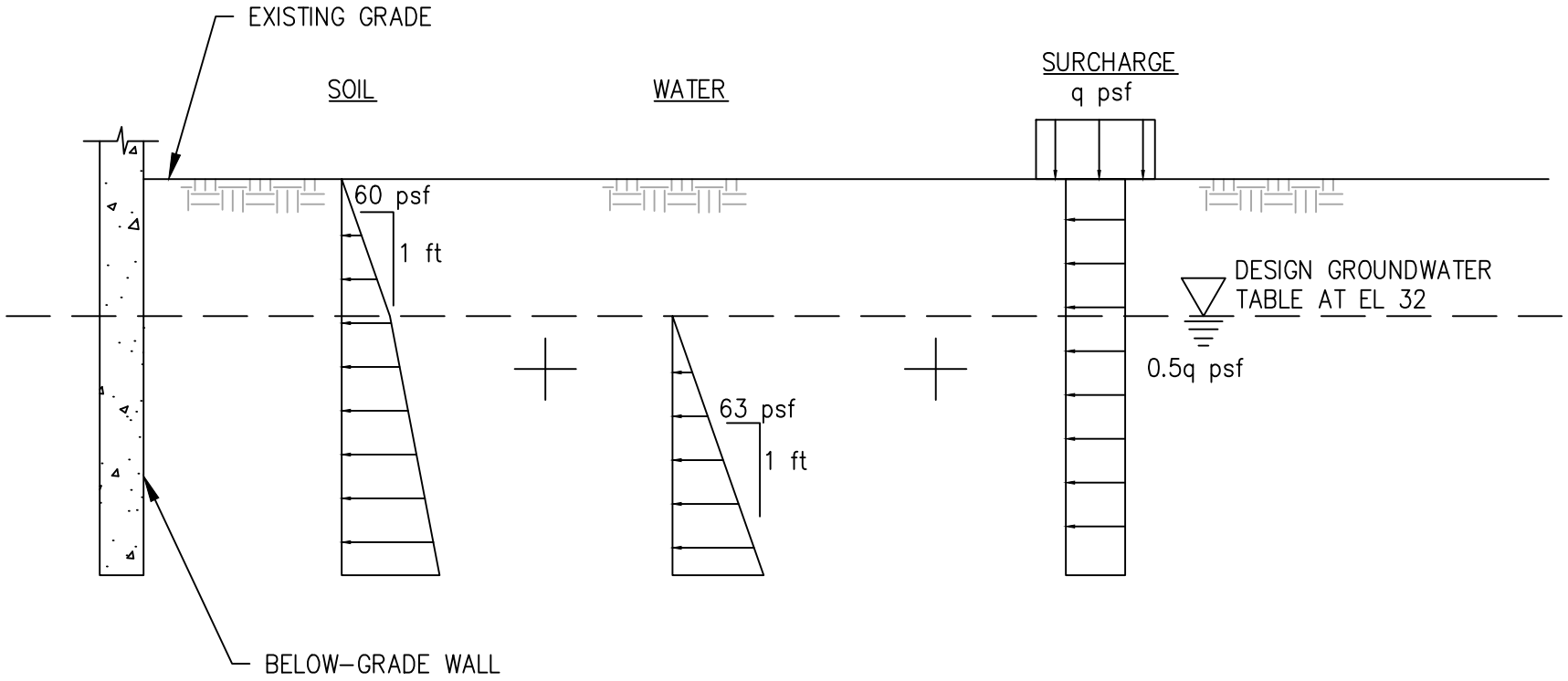
NOTES:

1. BORING LOCATIONS ARE APPROXIMATE.

BILOW ENGINEERING L.L.C.
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TEL. (973)868-8108

1150 RIVER AVE
BEARING CAPACITY PLAN
THE BRONX NEW YORK

PROJECT 12032	SCALE: 1"=40'-0"	DATE: 12/2/24	FIGURE 8



NOTE:
DESIGN GROUNDWATER IS AT EL 32, 4 FEET ABOVE THE ASSUMED GROUNDWATER LEVEL.
IF DIFFERENT GROUNDWATER CONDITIONS ARISE, BILOW ENGINEERING MUST BE NOTIFIED.

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ALLENDALE
NEW JERSEY 07401

PROJECT:	DRAWING TITLE:	DATE:	FIGURE NO:
1140 RIVER ROAD BLOCK#: 2487 LOT#: 38 BRONX, NY 10452	LATERAL EARTH PRESSURE DIAGRAM	DEC 2, 2024 DRAWN BY: SB CHECKED BY: JB	9

APPENDIX A

SITE SURVEY

(NOT FOR TITLE PURPOSES) — LEGEND —

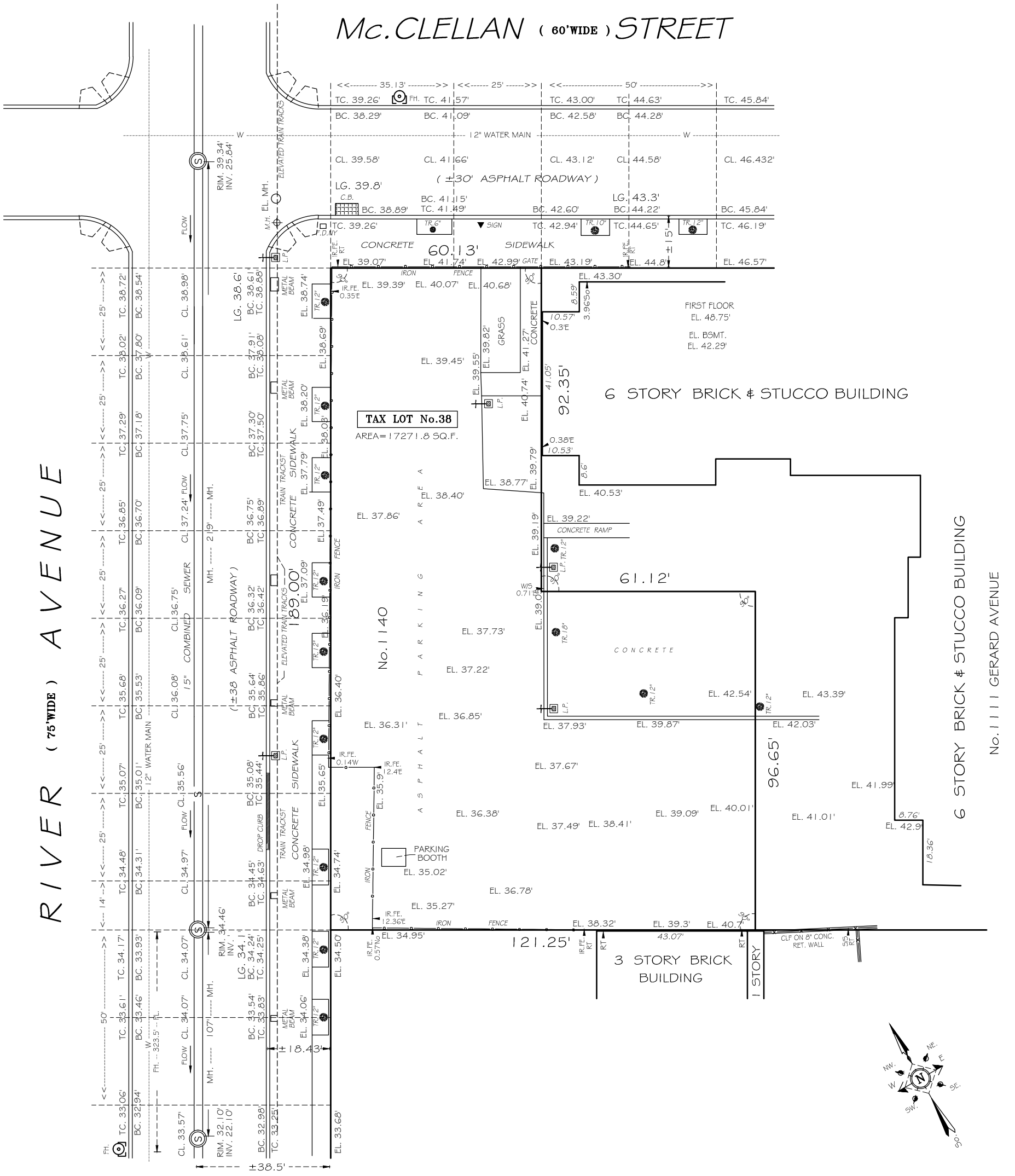
No. NORTH | So. SOUTH | E. EAST | F.E. FIRE ESCAPE | W.W. WINDOW WELL | C.D. CELLAR DOOR | ENT.UND. ENT. UNDER | ENT. ENTRANCE | L.A. LOW AREA | A. AREAWAY | CL. CLEAR | RT. RIGHT

LIGHT POST | UTILITY POLE | CATCH BASIN | WATER VALVE | GAS VALVE | PARKING METER | TRAFFIC SIGN | HYDRANT HYD. | E. ELECTRIC BOX | TREE PIT | SEWER MANHOLE | E ELECTRIC MANHOLE | T TELEPHONE MANHOLE | W D.W.S WATER

JOB # 25094-BX

Mc. CLELLAN (60'WIDE) STREET

RIVER (75'WIDE) AVENUE



SURVEYED

AUGUST 31, 2024

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. GUARANTEES OR CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. GUARANTEES OR CERTIFICATION ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

BLOCK:	2487
LOT (s):	38
SECTION:	9
COUNTY:	BRONX
DWG BY:	Srdjan B.
CHK'D BY:	

STATE OF NEW YORK · VINCENT TEUTONICO · 050307 · LICENSED LAND SURVEYOR

STATEWIDE LAND SURVEYING P.C.

VINCENT M. TEUTONICO

N.Y.S LIC. No.050307

OFF.(914)365-1847 ; FAX (914)365-1849

E-mail: BIGAPPLELS@YAHOO.COM

ARCHITECTURAL SURVEY

CAUTION: BEFORE PERFORMING ANY DIGGING OR DRILLING ON THIS SITE, IT IS REQUIRED THAT SUBSURFACE SERVICES, INCLUDING THE UNDERGROUND MAINS BE MARKED AND IDENTIFIED BY THE UTILITY INVOLVED IN COMPLIANCE WITH INDUSTRIAL CODE 53 OF NEW YORK STATE.

1) ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) WHICH IS 1.508 FEET ABOVE THE BRONX TOPOGRAPHICAL DATUM

2) UNDERGROUND UTILITY INFORMATION SHOWN WAS OBTAINED FROM VARIOUS COMPANIES AND CITY AGENCIES AND IS NOT GUARANTEED FOR ACCURACY OR COMPLETENESS.

3) THIS IS TO CERTIFY THAT THERE ARE NO APPARENT STREAMS NOR NATURAL WATER COURSES IN THE PROPERTY AS SHOWN ON THIS SURVEY

SCALE: 1"=30'

APPENDIX B

BORING LOGS

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LOG OF BORING B1 SHEET 1 OF 3

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 35FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 10/2/24	**DATE FINISHED** 10/3/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 32'-0"	**ROCK DEPTH** 21'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES** **DIST.** 5	**UNDIST.** N/A **CORE** 2
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL** **FIRST** N/A	**COMPL.** N/A **24 HR** N/A
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	SAND, SILT, ASPHALT, GRAVEL, BRICK [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 7"	5 5 5 3	BEGIN DRILLING 12:45PM 10/2/24 DRIVE SPLIT SPOON S1 FROM 0-2FT
		2					DRIVE CASING TO 5FT ~75 BLOWS
		3					
		4					DRILL TO 5FT W/ EZ-MUD TO CLEAN OUT HOLE SLIGHT RIG CHATTER WASH LIGHT BROWN
	TRACE GRAVEL & BRICK [MISCELLANEOUS FILL] (NYC BC CLASS 7)	5	S2	SPLIT SPOON	REC = 0"	2 2 4 4	DRIVE SPLIT SPOON S2 FROM 5-7FT
		6					
		7					DRIVE CASING TO 10FT ~100 BLOWS
DECOMPOSED ROCK	WHITE COARSE SANDY DECOMPOSED MARBLE TO BROWN/GRAY SILTY SAND (NYC BC CLASS 2a)	8					DRILL TO 10FT W/ EZ-MUD TO CLEAN OUT HOLE HEAVY RIG CHATTER WASH LIGHT GRAY
		9					
		10	S3	SPLIT SPOON	REC = 15"	22 26 22 34	DRIVE SPLIT SPOON S3 FROM 10-12FT
		11					
		12					

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JOB NO. 12032
DATE 10/2/24 - 10/3/24

LOG OF BORING NO. B1

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
DECOMPOSED ROCK		12					DRILL TO 15FT W/ EZ-MUD TO CLEAN OUT HOLE SMOOTH DRILLING WASH LIGHT BROWN PEBBLES IN WASH
	WHITE COARSE SANDY DECOMPOSED ROCK (NYC BC CLASS 2a)	13					
		14					
		15	S4	SS	R=5"	100/5"	DRIVE SPLIT SPOON S4 FROM 15-17FT HIT REFUSAL AT 15'-5"
		16					
		17					DRILL TO 20FT W/ EZ-MUD TO CLEAN OUT HOLE HARD DRILLING SLIGHT RIG CHATTER WASH LIGHT BROWN
		18					
		19					
	REDDISH BROWN/GRAY DECOMPOSED ROCK (NYC BC CLASS 2a)	20	S5	SS	R=6"	100/6"	DRIVE SPLIT SPOON S5 FROM 20-22FT HIT REFUSAL AT 20'-6"
	?---?---?---?---?	21					DRILL TO 22FT TO CLEAN OUT HOLE
ROCK		22	CORE RUN 1	NX DOUBLE-TUBE CORE BARREL	REC = 44"/60" = 73%	RQD = 32"/60" = 53%	CORE ROCK STARTING AT 22' CORE RUN 1: 22'-27' (2PM 10/2/24)
	HARD MARBLE (NYC BC CLASS 1b)	23					22'-23': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN
		24					23'-24': LIGHT WASH SMOOTH DRILLING FOR ~3 MIN
		25					24'-25': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
		26					25'-26': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN
		27					26'-27': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN TOTAL CORING TIME APPROX. 9.5 MIN REMOVE BARREL @ 7:45AM, 10/3/24

DRILL TIME MIN/FT.: 1 | 3 | 2 | 1.5 | 2

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JOB NO. 12032
DATE 10/2/24 - 10/3/24

LOG OF BORING NO. B1

SHEET 3 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
ROCK	SOFT SCHIST TO HARD MARBLE (NYC BC CLASS 1b)	1 3 2 1.5 2	27 28 29 30 31	CORE RUN 2	NX DOUBLE-TUBE CORE BARREL	REC = 56"/60" = 93%	RQD = 30"/60" = 50%	CORE RUN 2: 27'–32' (8AM 10/3/24) 27'–28': LIGHT WASH SMOOTH DRILLING FOR ~3.5 MIN 28'–29': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN 29'–30': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 30'–31': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN 31'–32': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN
	BORING COMPLETED @ 32 FT		32					TOTAL CORING TIME APPROX. 10.5 MIN
			33 34 35 36 37 38 39 40 41 42					BORING COMPLETED AT A DEPTH OF 32'–0" END OF BORING B1

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LOG OF BORING B2 SHEET 1 OF 2

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 36FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 10/1/24	**DATE FINISHED** 10/1/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 26'-0"	**ROCK DEPTH** 15'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES**	**DIST.** 4 **UNDIST.** N/A **CORE** 2
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL**	**FIRST** N/A **COMPL.** N/A **24 HR** N/A
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	SAND, SILT, ASPHALT, GRAVEL, BRICK, CINDERS [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 18"	20 11 11 16	BEGIN DRILLING 9:45AM DRIVE SPLIT SPOON S1 FROM 0-2FT
		2					DRIVE CASING TO 5FT ~150 BLOWS
		3					DRILL TO 5FT W/ EZ-MUD TO CLEAN OUT HOLE SLIGHT RIG CHATTER WASH LIGHT BROWN GRAVEL IN WASH
SAND	FINE SILTY SAND TRACE GRAVEL, SHINY MINERALS (NYC BC CLASS 6)	4					
		5	S2	SPLIT SPOON	REC = 17"	1 1 1 1	DRIVE SPLIT SPOON S2 FROM 5-7FT
		6					
		7					DRIVE CASING TO 10FT ~50 BLOWS
		8					DRILL TO 10FT W/ EZ-MUD TO CLEAN OUT HOLE SMOOTH DRILLING WASH LIGHT BROWN
		9					
		10					
DR	SAND, TRACE SILT AND GRAVEL DECOMPOSED ROCK AT TIP (NYC BC CLASS 3a)	11	S3	SPLIT SPOON	REC = 12"	20 70 100/1"	DRIVE SPLIT SPOON S3 FROM 10-12FT REFUSAL AT 11'-1"
		12					

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JOB NO. 12032
DATE 10/1/24

LOG OF BORING NO. B2

SHEET 2 OF 2

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	DRILL TIME MIN/FT.	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		12						DRILL TO 15FT TO CLEAN OUT HOLE SMOOTH DRILLING, WASH LIGHT BROWN
		13						
		14						DRIVE SPLIT SPOON S4 FROM 15–17FT REFUSAL AT 15'–1"
		15		S4	SS	NR	100/1"	DRILL TO 16FT TO CLEAN OUT HOLE
DECOMPOSED ROCK	SOFT MARBLE TO DECOMPOSED SCHIST (NYC BC CLASS 1c)	16	1.5	CORE RUN 1	NX DOUBLE–TUBE CORE BARREL	REC = 54"/60" = 90%	RQD = 17"/60" = 28%	CORE ROCK STARTING AT 16' CORE RUN 1 16'–17': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN
		17	2					17'–18': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
		18	2					18'–19': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
		19	2					19'–20': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
		20	2					20'–21': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
	?——?——?——?——?	21	2					TOTAL CORING TIME APPROX. 9.5 MIN CORE RUN 2
ROCK	HARD MARBLE SOME SOFT (NYC BC CLASS 1c)	22	2.5	CORE RUN 2	NX DOUBLE–TUBE CORE BARREL	REC = 58"/60" = 97%	RQD = 23"/60" = 38%	21'–22': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN
		23	3					22'–23': LIGHT WASH SMOOTH DRILLING FOR ~3 MIN
		24	2					23'–24': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
		25	2.5					24'–25': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN
	BORING COMPLETED @ 26 FT	26	2.5					25'–26': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN TOTAL CORING TIME APPROX 12.5 MIN BORING COMPLETED AT A DEPTH OF 26'–0" END OF BORING B2
		27						
		28						

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LOG OF BORING B3 SHEET 1 OF 3

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 38FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 9/30/24	**DATE FINISHED** 9/30/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 33'-0"	**ROCK DEPTH** 23'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES** **DIST.** 3	**UNDIST.** N/A **CORE** 4
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL** **FIRST** N/A	**COMPL.** N/A **24 HR** N/A
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	SAND, SILT, ASPHALT, CINDERS, BRICK [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 14"	7 5 8 8	BEGIN DRILLING 8:30AM DRIVE SPLIT SPOON S1 FROM 0-2FT
		2					DRIVE CASING TO 5FT ~100 BLOWS
SAND	SILTY COARSE SAND, TRACE DECOMPOSED ROCK WEATHERED ROCK AT TIP (NYC BC CLASS 6)	3					DRILL TO 5FT W/ EZ-MUD TO CLEAN OUT HOLE SLIGHT RIG CHATTER SMOOTH DRILLING WASH LIGHT BROWN
		4					
		5	S2	SPLIT SPOON	REC = 17"	7 3 2 7	DRIVE SPLIT SPOON S2 FROM 5-7FT
		6					
DECOMPOSED ROCK	DECOMPOSED ROCK (NYC BC CLASS 2a)	7					DRILL TO 10FT W/ EZ-MUD TO CLEAN OUT HOLE SMOOTH DRILLING, WASH BROWN
		8					
		9					
		10	S3	SS	R=6"	100/6"	DRIVE SPLIT SPOON S3 FROM 10-12FT REFUSAL AT 10'-6"
		11					DRIVE CASING TO 10FT, ~250 BLOWS DRILL TO 13FT TO CLEAN OUT HOLE SMOOTH DRILLING, WASH LIGHT BROWN
		12					

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JOB NO. 12032
DATE 9/30/24

LOG OF BORING NO. B3

SHEET 2 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
DECOMPOSED ROCK	SOFT, SANDY MARBLE & SCHIST DECOMPOSED ROCK (NYC BC CLASS 1d)	2.5	12–13					CORE ROCK STARTING AT 13'
		3.5	13–14	CORE RUN 1	NX DOUBLE-TUBE CORE BARREL	REC = 54"/60" = 90%	RQD = 11"/60" = 18%	CORE RUN 1 13'–14': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN
		2	14–15					14'–15': LIGHT WASH SMOOTH DRILLING FOR ~3.5 MIN
		3	15–16					15'–16': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
		3	16–17					16'–17': LIGHT WASH SMOOTH DRILLING FOR ~3 MIN
		3	17–18					17'–18': LIGHT WASH SMOOTH DRILLING FOR ~3 MIN TOTAL CORING TIME APPROX. 14 MIN
	SOFT, SANDY MARBLE & SCHIST DECOMPOSED ROCK (NYC BC CLASS 1d)	3	18–19	CORE RUN 2	NX DOUBLE-TUBE CORE BARREL	REC = 54"/60" = 90%	RQD = 14"/60" = 23%	CORE RUN 2 18'–19': WHITE WASH SMOOTH DRILLING FOR ~3 MIN
		1.5	19–20					19'–20': WHITE WASH SMOOTH DRILLING FOR ~3 MIN
		3	20–21					20'–21': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
		2	21–22					21'–22': WHITE WASH SMOOTH DRILLING FOR ~2 MIN
		3	22–23					22'–23': WHITE WASH SMOOTH DRILLING FOR ~3 MIN TOTAL CORING TIME APPROX. 12.5 MIN
		3	23–24	CORE RUN 3	NX DOUBLE-TUBE CORE BARREL	REC = 32"/60" = 53%	RQD = 16"/60" = 27%	CORE RUN 3 23'–24': WHITE WASH SMOOTH DRILLING FOR ~3 MIN
		1.5	24–25					24'–25': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
ROCK	MARBLE & SCHIST (NYC BC CLASS 1d)	1.5	25–26					25'–26': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
		1.5	26–27					26'–27': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
		1	27–28					27'–28': WHITE WASH SMOOTH DRILLING FOR ~1 MIN TOTAL CORING TIME APPROX. 8.5 MIN

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JOB NO. 12032
DATE 9/30/24

LOG OF BORING NO. B3

SHEET 3 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	MARBLE (NYC BC CLASS 1b)	2	28	CORE RUN 4	NX DOUBLE-TUBE CORE BARREL	REC = 58"/60" = 97%	RQD = 40"/60" = 67%	CORE RUN 4
		1.5	29					28'–29': WHITE WASH SMOOTH DRILLING FOR ~2 MIN
		1.5	30					29'–30': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
		1.5	31					30'–31': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
		1.5	32					31'–32': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
	BORING COMPLETED @ 33 FT	1.5	33					32'–33': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
			34					TOTAL CORING TIME APPROX. 8 MIN
			35					BORING COMPLETED AT A DEPTH OF 33'–0"
			36					END OF BORING B3
			37					
			38					
			39					
			40					
			41					
			42					
			43					
			44					

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LOG OF BORING B4 SHEET 1 OF 3

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 39FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 9/30/24	**DATE FINISHED** 10/1/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 37'-0"	**ROCK DEPTH** 27'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES** **DIST.** 6	**UNDIST.** N/A **CORE** 2
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL** **FIRST** N/A	**COMPL.** N/A **24 HR** N/A
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV.FT.	PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	COARSE SAND, GRAVEL, ASPHALT [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 8"	13 7 8 11	BEGIN DRILLING 12:15PM 9/30/24 DRIVE SPLIT SPOON S1 FROM 0-2FT
	?---?---?---?---?	2					
SAND		3					DRIVE CASING TO 5FT ~300 BLOWS DRILL TO 5FT W/ EZ-MUD TO CLEAN OUT HOLE HEAVY RIG CHATTER WASH LIGHT BROWN
		4					
		5					
	C-F SILTY SAND, TRACE GRAVEL, DECOMPOSED ROCK (NYC BC CLASS 3b)	6	S2	SPLIT SPOON	REC = 12"	7 5 16 15	DRIVE SPLIT SPOON S2 FROM 5-7FT
	?---?---?---?---?	7					
DECOMPOSED ROCK		8					DRILL TO 10FT W/ EZ-MUD TO CLEAN OUT HOLE SMOOTH DRILLING SLIGHT RIG CHATTER WASH LIGHT BROWN
		9					
		10					
	DECOMPOSED ROCK, TRACE SANDY SILT (NYC BC CLASS 2a)	11	S3	SPLIT SPOON	REC = 18"	20 26 26 40	DRIVE SPLIT SPOON S3 FROM 10-12FT
		12					

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JOB NO. 12032
DATE 9/30/24 - 10/1/24

LOG OF BORING NO. B4

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
DECOMPOSED ROCK		12					DRILL TO 15FT W/ EZ-MUD TO CLEAN OUT HOLE SMOOTH DRILLING SLIGHT RIG CHATTER WASH LIGHT BROWN
	M SILTY SAND, TRACE DECOMPOSED ROCK (NYC BC CLASS 2a)	15	S4	SS	R=6"	100/6"	DRIVE SPLIT SPOON S4 FROM 15-17FT REFUSAL AT 15'-6"
		16					DRIVE CASING TO 15FT ~300 BLOWS
		17					
		18					DRILL TO 20FT W/ EZ-MUD TO CLEAN OUT HOLE SLIGHT RIG CHATTER WASH LIGHT BROWN
		19					
	SAND, TRACE SILT, GRAVEL, ROCK (NYC BC CLASS 2a)	20	S5	SS	R=8"	100/8"	DRIVE SPLIT SPOON S5 FROM 20-22FT REFUSAL AT 20'-4"
		21					
		22					DRILL TO 25FT W/ EZ-MUD TO CLEAN OUT HOLE SLIGHT RIG CHATTER WASH LIGHT BROWN
		23					
		24					
	COARSE SAND, TRACE GRAVEL, DECOMPOSED ROCK (NYC BC CLASS 2a)	25	S6	SS	R=6"	100/6"	DRIVE SPLIT SPOON S6 FROM 25-27FT REFUSAL AT 25'-6"
	?---?---?---?---?	26					STOP WORK 2:15PM 9/30/24 RESUME WORK 8:00AM 10/1/24
ROCK		27					CORE ROCK STARTING AT 27'

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JOB NO. 12032
DATE 9/30/24 - 10/1/24

LOG OF BORING NO. B4

SHEET 3 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
ROCK	SOFT MARBLE (NYC BC CLASS 1c)	3 2.5 3.5 3 2.5	27–32	CORE RUN 1	NX DOUBLE-TUBE CORE BARREL	REC = 44"/60" = 73%	RQD = 21"/60" = 35%	CORE RUN 1 27'–28': WHITE WASH SMOOTH DRILLING FOR ~3 MIN 28'–29': WHITE WASH SMOOTH DRILLING FOR ~2.5 MIN 29'–30': WHITE WASH SMOOTH DRILLING FOR ~3.5 MIN 30'–31': WHITE WASH SMOOTH DRILLING FOR ~3 MIN 31'–32': WHITE WASH SMOOTH DRILLING FOR ~2.5 MIN TOTAL CORING TIME APPROX. 14.5 MIN
	SOFT SCHIST (NYC BC CLASS 1b)	2.5 2.5 2.5 3 3	32–37	CORE RUN 2	NX DOUBLE-TUBE CORE BARREL	REC = 60"/60" = 100%	RQD = 32"/60" = 53%	CORE RUN 2 32'–33': LIGHT GRAY WASH SMOOTH DRILLING FOR ~2.5 MIN 33'–34': LIGHT GRAY WASH SMOOTH DRILLING FOR ~2.5 MIN 34'–35': LIGHT GRAY WASH SMOOTH DRILLING FOR ~2.5 MIN 35'–36': LIGHT GRAY WASH SMOOTH DRILLING FOR ~3 MIN 36'–37': LIGHT GRAY WASH SMOOTH DRILLING FOR ~3 MIN TOTAL CORING TIME APPROX. 13.5 MIN
	BORING COMPLETED @ 37 FT		37–42					BORING COMPLETED AT A DEPTH OF 37'–0" END OF BORING B4

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ALLENDALE, NEW JERSEY

LOG OF BORING B5 SHEET 1 OF 3

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 37FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 10/2/24	**DATE FINISHED** 10/2/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 35'-0"	**ROCK DEPTH** 18'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES**	**DIST.** 3 **UNDIST.** N/A **CORE** 3
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL**	**FIRST** N/A **COMPL.** N/A **24 HR** N/A
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV.FT.	PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	SAND, SILT, ASPHALT, TRACE GRAVEL, BRICK, CINDERS [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 16"	15 5 1 5	BEGIN DRILLING 8:45AM DRIVE SPLIT SPOON S1 FROM 0-2FT
		2					DRIVE CASING TO 5FT ~100 BLOWS
		3					DRILL TO 5FT W/ EZ-MUD TO CLEAN OUT HOLE HEAVY RIG CHATTER TO 3.5FT WASH LIGHT GRAY W/ GRAVEL CLEAR BLOCKAGE AT 3.5FT SMOOTH DRILLING, WASH BROWN
		4					
		5					
	SAND, SILT, TRACE GRAVEL, BRICK, CLAY [MISCELLANEOUS FILL] (NYC BC CLASS 7)	6	S2	SPLIT SPOON	REC = 12"	4 3 2 1	DRIVE SPLIT SPOON S2 FROM 5-7FT
		7					
	?---?---?---?---?	8					DRIVE CASING TO 10FT ~150 BLOWS
DECOMPOSED ROCK		9					DRILL TO 10FT W/ EZ-MUD TO CLEAN OUT HOLE HEAVY RIG CHATTER WASH LIGHT BROWN
		10					
	SILTY SAND, TRACE GRAVEL TO DECOMPOSED MARBLE (NYC BC CLASS 2b)	11	S3	SPLIT SPOON	REC = 5"	9 3 17 100/1"	DRIVE SPLIT SPOON S3 FROM 10-12FT
		12					

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JOB NO. 12032
DATE 10/2/24

LOG OF BORING NO. B5

SHEET 2 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	DRILL TIME MIN/FT.	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
DECOMPOSED ROCK		12						DRIVE CASING TO 15FT ~125 BLOWS
		13						
		14						
		15						
		16						DRILL TO 20FT W/ EZ-MUD TO CLEAN OUT HOLE HEAVY RIG CHATTER WASH LIGHT BROWN
		17						
	?——?——?——?——?	18						
		19						CORE ROCK STARTING AT 20'
ROCK	ROCK (NYC BC CLASS 1d)	20	2	CORE RUN 1	NX DOUBLE-TUBE CORE BARREL	REC = 34"/60" = 57%	RQD = 17"/60" = 28%	CORE RUN 1 20'-21': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
		21	1.5					21'-22': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN
		22	1.5					22'-23': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN
		23	2					23'-24': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN
		24	1.5					24'-25': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN
		25						TOTAL CORING TIME APPROX. 8.5 MIN

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JOB NO. 12032
DATE 10/2/24

LOG OF BORING NO. B5

SHEET 3 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
ROCK		2	25	CORE RUN 2	NX DOUBLE-TUBE CORE BARREL	REC = 48"/60" = 80%	RQD = 10"/60" = 17%	CORE RUN 2 25'–26': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN 26'–27': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 27'–28': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 28'–29': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 29'–30': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN TOTAL CORING TIME APPROX. 8.5 MIN
	?—?—?—?—?—?	1.5	26					
DECOMPOSED ROCK	HARD MARBLE TO DECOMPOSED SCHIST (NYC BC CLASS 1d)	1.5	27					
		1.5	28					
		2	29					
		1.5	30	CORE RUN 3	NX DOUBLE-TUBE CORE BARREL	REC = 43"/60" = 72%	RQD = 24"/60" = 40%	CORE RUN 3 30'–31': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 31'–32': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN 32'–33': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN 33'–34': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 34'–35': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN TOTAL CORING TIME APPROX. 8.5 MIN
	?—?—?—?—?—?	2	31					
	DECOMPOSED TO HARD MARBLE (NYC BC CLASS 1c)	1.5	32					
		2	33					
		1.5	34					
	BORING COMPLETED @ 35 FT	1.5	35					BORING COMPLETED AT A DEPTH OF 35'–0" END OF BORING B5
ROCK			36					
			37					
			38					
			39					
			40					

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LOG OF BORING B6 SHEET 1 OF 3

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 39FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 10/4/24	**DATE FINISHED** 10/4/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 28'-0"	**ROCK DEPTH** 3'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES**	**DIST.** 1 **UNDIST.** N/A **CORE** 5
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL**	**FIRST** N/A **COMPL.** N/A **24 HR** N/A
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	DRILL TIME MIN/FT.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	SILT, ASPHALT, GRAVEL, TRACE SAND, BRICK [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 15"	18 8 6 8		BEGIN DRILLING 8AM DRIVE SPLIT SPOON S1 FROM 0-2FT DRIVE CASING TO 4FT, ~150 BLOWS
D.ROCK	?---?---?---?---?---?	2						DRILL TO 3FT TO CLEAN OUT HOLE HEAVY RIG CHATTER, WASH CLEAR HARD DRILLING/REFUSAL AT 3FT
ROCK	?---?---?---?---?---?	3	CORE RUN 1	NX DOUBLE-TUBE CORE BARREL	REC = 38"/60" = 63%	RQD = 29"/60" = 48%	2	CORE ROCK STARTING AT 3'
	MARBLE (NYC BC CLASS 1c)	4					2	CORE RUN 1 3'-4': WHITE WASH SMOOTH DRILLING FOR ~2 MIN
		5					2	4'-5': WHITE WASH SMOOTH DRILLING FOR ~2 MIN
		6					2	5'-6': BROWN WASH SMOOTH DRILLING FOR ~2 MIN
		7					2	6'-7': LIGHT BROWN WASH SMOOTH DRILLING FOR ~2 MIN
		8					2	7'-8': WHITE WASH SMOOTH DRILLING FOR ~2 MIN TOTAL CORING TIME APPROX. 10 MIN

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JOB NO. 12032
DATE 10/4/24

LOG OF BORING NO. B6

SHEET 2 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
ROCK	MARBLE (NYC BC CLASS 1d)	2	8	CORE RUN 2	NX DOUBLE-TUBE CORE BARREL	REC = 17"/60" = 28%	RQD = 17"/60" = 28%	CORE RUN 2 8'–9': GRAY WASH SMOOTH DRILLING FOR ~2 MIN 9'–10': GRAY WASH SMOOTH DRILLING FOR ~1.5 MIN 10'–11': GRAY WASH SMOOTH DRILLING FOR ~2 MIN 11'–12': BROWN WASH SMOOTH DRILLING FOR ~2 MIN 12'–13': BROWN WASH SMOOTH DRILLING FOR ~2 MIN TOTAL CORING TIME APPROX. 9.5 MIN
		1.5	9					
		2	10					
		2	11					
		2	12					
		2	13					
		2.5	14	CORE RUN 3	NX DOUBLE-TUBE CORE BARREL	REC = 54"/60" = 90%	RQD = 30"/60" = 50%	CORE RUN 3 13'–14': WHITE WASH SMOOTH DRILLING FOR ~2.5 MIN 14'–15': WHITE WASH SMOOTH DRILLING FOR ~1 MIN 15'–16': WHITE WASH SMOOTH DRILLING FOR ~2 MIN 16'–17': LIGHT BROWN WASH SMOOTH DRILLING FOR ~2 MIN 17'–18': BROWN WASH SMOOTH DRILLING FOR ~2.5 MIN TOTAL CORING TIME APPROX. 10 MIN
	HARD MARBLE (NYC BC CLASS 1b)	1	15					
		2	16					
		2	17					
		2.5	18					
DR	? ? ? ? ? ?	2.5	19	CORE RUN 4	NX DOUBLE-TUBE CORE BARREL	REC = 46"/60" = 77%	RQD = 27"/60" = 45%	CORE RUN 4 18'–19': LIGHT BROWN WASH SMOOTH DRILLING FOR ~2.5 MIN 19'–20': WHITE WASH SMOOTH DRILLING FOR ~2 MIN 20'–21': WHITE WASH SMOOTH DRILLING FOR ~2 MIN 21'–22': WHITE WASH SMOOTH DRILLING FOR ~2 MIN 22'–23': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN TOTAL CORING TIME APPROX. 10.5 MIN
ROCK	HARD MARBLE TO DECOMPOSED SCHIST (NYC BC CLASS 1c)	2	20					
		2	21					
D. ROCK		2	22					
		2	23					

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JOB NO. 12032
DATE 10/4/24

LOG OF BORING NO. B6

SHEET 3 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
DECOMPOSED ROCK	SOFT DECOMPOSED SCHIST (NYC BC CLASS 1d)	1.5	23	CORE RUN 5	NX DOUBLE-TUBE CORE BARREL	REC = 50"/60" = 83%	RQD = 18"/60" = 30%	CORE RUN 5
		1.5	24					23'-24': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN
		2	25					24'-25': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN
		2	26					25'-26': NO WASH SMOOTH DRILLING FOR ~2 MIN
		2	27					26'-27': NO WASH SMOOTH DRILLING FOR ~2 MIN
	BORING COMPLETED @ 28 FT	2	28					27'-28': NO WASH SMOOTH DRILLING FOR ~2 MIN
			29					TOTAL CORING TIME APPROX. 9 MIN
			30					BORING COMPLETED AT A DEPTH OF 28'-0"
			31					END OF BORING B6
			32					
			33					
			34					
			35					
			36					
			37					
			38					

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LOG OF BORING B7 SHEET 1 OF 2

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 39FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 10/3/24	**DATE FINISHED** 10/3/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 25'-0"	**ROCK DEPTH** 15'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES** **DIST.** 2	**UNDIST.** N/A **CORE** 4
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL** **FIRST** N/A	**COMPL.** N/A **24 HR** N/A
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	DRILL TIME MIN/FT.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	SAND, SILT, ASPHALT, GRAVEL, BRICK [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 14"	16 6 8 11		BEGIN DRILLING 12:00PM DRIVE SPLIT SPOON S1 FROM 0-2FT DRIVE CASING TO 5FT, ~175 BLOWS
		2						DRILL TO 3FT TO CLEAN OUT HOLE HEAVY RIG CHATTER WASH LIGHT GRAY, WATER LEVEL LOW
	?---?---?---?---?	3						REFUSAL AT 3FT
DECOMPOSED ROCK	SOFT SANDY MARBLE (NYC BC CLASS 1d)	4	CORE RUN 1	NX DOUBLE-TUBE CORE BARREL	REC = 19"/60" = 32%	RQD = 10"/60" = 17%	1.5	CORE ROCK STARTING AT 3' CORE RUN 1 3'-4': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
		5					1.5	4'-5': LIGHT BROWN WASH SMOOTH DRILLING FOR ~1.5 MIN
		6					1	5'-6': WHITE WASH SMOOTH DRILLING FOR ~1 MIN
		7					1.5	6'-7': BROWN WASH SMOOTH DRILLING FOR ~1.5 MIN
		8					1.5	7'-8': WHITE WASH SMOOTH DRILLING FOR ~1.5 MIN
	SANDY, DECOMPOSED MARBLE (NYC BC CLASS 2a)	8	S2	SS	R=2"	100/3"		TOTAL CORING TIME APPROX. 7 MIN
		9						DRIVE SPLIT SPOON S2 FROM 8-10FT REFUSAL AT 8'-3"
		10						

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JOB NO. 12032
DATE 10/3/24

LOG OF BORING NO. B7

SHEET 2 OF 2

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
DECOMPOSED ROCK	SOFT DECOMPOSED MARBLE (NYC BC CLASS 1d)	1 1 1 1.5 1.5	10–15	CORE RUN 2	NX DOUBLE-TUBE CORE BARREL	REC = 16"/60" = 27%	RQD = 0"/60" = 0%	CORE RUN 2 10'–11': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN 11'–12': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN 12'–13': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN 13'–14': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 14'–15': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN TOTAL CORING TIME APPROX. 6 MIN
? ? ? ? ?	SOFT SCHIST TO HARD MARBLE (NYC BC CLASS 1c)	1.5 1 1.5 1.5 1.5	15–20	CORE RUN 3	NX DOUBLE-TUBE CORE BARREL	REC = 44"/60" = 73%	RQD = 29"/60" = 48%	CORE RUN 3 15'–16': YELLOW/GRAY WASH SMOOTH DRILLING FOR ~1.5 MIN 16'–17': GRAY WASH SMOOTH DRILLING FOR ~1.5 MIN 17'–18': GRAY WASH, WATER LOW SMOOTH DRILLING FOR ~1 MIN 18'–19': GRAY WASH, WATER LOW SMOOTH DRILLING FOR ~1.5 MIN 19'–20': GRAY WASH, WATER LOW SMOOTH DRILLING FOR ~1.5 MIN TOTAL CORING TIME APPROX. X MIN
ROCK	SCHIST (NYC BC CLASS 1b) BORING COMPLETED @ 25 FT	3 2 3 3 2	20–25	CORE RUN 4	NX DOUBLE-TUBE CORE BARREL	REC = 53"/60" = 88%	RQD = 32"/60" = 53%	CORE RUN 4 20'–21': LIGHT WASH, WATER LOW SMOOTH DRILLING FOR ~3 MIN 21'–22': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN 22'–23': LIGHT WASH, WATER LOW SMOOTH DRILLING FOR ~3 MIN 23'–24': LIGHT WASH, WATER LOW SMOOTH DRILLING FOR ~3 MIN 24'–25': LIGHT WASH, WATER LOW SMOOTH DRILLING FOR ~2 MIN TOTAL CORING TIME APPROX. 13 MIN BORING COMPLETED AT DEPTH OF 25' END OF BORING B7

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LOG OF BORING B8 SHEET 1 OF 3

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 42FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 10/3/24	**DATE FINISHED** 10/3/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 35'-0"	**ROCK DEPTH** 17'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES** **DIST.** 5	**UNDIST.** N/A **CORE** 3
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL** **FIRST** N/A	**COMPL.** N/A **24 HR** N/A
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	SAND, SILT, ASPHALT, GRAVEL, BRICK, CINDERS [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 13"	17 6 9 6	BEGIN DRILLING 8:45AM DRIVE SPLIT SPOON S1 FROM 0-2FT
		2					DRIVE CASING TO 5FT ~200 BLOWS
	?---?---?---?---?---?	3					
SAND	FINE SAND, TRACE SILT, GRAVEL, SHINY MINERALS (NYC BC CLASS 3b)	4					DRILL TO 5FT W/ EZ-MUD TO CLEAN OUT HOLE HEAVY RIG CHATTER HARD DRILLING WASH LIGHT BROWN
		5					
		6	S2	SPLIT SPOON	REC = 18"	6 5 5 6	DRIVE SPLIT SPOON S2 FROM 5-7FT
		7					DRIVE CASING TO 10FT ~125 BLOWS
	?---?---?---?---?---?	8					
DECOMPOSED ROCK		9					DRILL TO 10FT W/ EZ-MUD TO CLEAN OUT HOLE HEAVY RIG CHATTER WASH BROWN, WATER LVL LOW
		10					
	WHITE COARSE SAND, DECOMPOSED MARBLE (NYC BC CLASS 2b)	11	S3	SPLIT SPOON	REC = 14"	6 7 6 6	DRIVE SPLIT SPOON S3 FROM 10-12FT
		12					

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JOB NO. 12032
DATE 10/3/24

LOG OF BORING NO. B8

SHEET 2 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	DRILL TIME MIN/FT.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
DECOMPOSED ROCK	DECOMPOSED ROCK TRACE SAND, SILT (NYC BC CLASS 2b)	12	S4	SPLIT SPOON	REC = 14"	9 12 13 12		DRIVE SPLIT SPOON S4 FROM 12–14FT
		13						DRIVE CASING TO 15FT, ~150 BLOWS
		14						DRILL TO 15FT W/ EZ–MUD TO CLEAN OUT HOLE SMOOTH DRILLING WASH BROWN, WATER LVL LOW
		15	S5	SPLIT SPOON	REC = 15"	12 19 40 100/3"		DRIVE SPLIT SPOON S5 FROM 15–17FT
	DECOMPOSED ROCK, SCHIST (NYC BC CLASS 2a)	16						REFUSAL AT 16'–9"
	?—?—?—?—?—	17						
ROCK	HARD MARBLE (NYC BC CLASS 1b)	18						DRILL TO 20FT W/ EZ–MUD TO CLEAN OUT HOLE HARD DRILLING HEAVY RIG CHATTER WASH LIGHT BROWN WATER LEVEL LOW
		19						
		20	CORE RUN 1	NX DOUBLE–TUBE CORE BARREL	REC = 33"/60" = 55%	RQD = 33"/60" = 55%	2.5 1 1 2.5 1 1 2.5	CORE ROCK STARTING AT 20' CORE RUN 1 20'–21': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN 21'–22': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN 22'–23': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN 23'–24': LIGHT WASH, WATER LOW SMOOTH DRILLING FOR ~1 MIN 24'–25': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN TOTAL CORING TIME APPROX. 8 MIN
		21						
		22						
		23						
		24						
		25						

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JOB NO. 12032
DATE 10/3/24

LOG OF BORING NO. B8

SHEET 3 OF 3

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
ROCK	SOFT SCHIST (NYC BC CLASS 1d)	1.5	25	CORE RUN 2	NX DOUBLE-TUBE CORE BARREL	REC = 16"/60" = 27%	RQD = 7"/60" = 12%	CORE RUN 2 25'-26': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 26'-27': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 27'-28': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN 28'-29': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 29'-30': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN TOTAL CORING TIME APPROX. 6.5 MIN
		1.5	26					
		1	27					
		1.5	28					
		1	29					
		2	30	CORE RUN 3	NX DOUBLE-TUBE CORE BARREL	REC = 49"/60" = 82%	RQD = 18"/60" = 30%	CORE RUN 3 30'-31': WHITE WASH SMOOTH DRILLING FOR ~2 MIN 31'-32': LIGHT WASH, WATER LOW SMOOTH DRILLING FOR ~3 MIN 32'-33': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN 33'-34': BROWN WASH SMOOTH DRILLING FOR ~2.5 MIN 34'-35': BROWN WASH SMOOTH DRILLING FOR ~3.5 MIN TOTAL CORING TIME APPROX. 13.5 MIN
	SOFT SCHIST (NYC BC CLASS 1d)	3	31					
		2.5	32					
		2.5	33					
		3.5	34					
	BORING COMPLETED @ 35 FT		35					BORING COMPLETED AT A DEPTH OF 35'-0" END OF BORING B8
			36					
			37					
			38					
			39					
			40					

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ALLENDALE, NEW JERSEY

LOG OF BORING B9 SHEET 1 OF 2

PROJECT 1150 RIVER AVE		**PROJECT NO.** 12032	
LOCATION 1150 RIVER AVE, BRONX, NEW YORK		**ELEVATION AND DATUM** APPROX. EL. 40FT+/-	
DRILLING AGENCY AXCISS GEOTECHNICAL DRILLING, LLC.		**DATE STARTED** 10/1/24	**DATE FINISHED** 10/1/24
DRILLING EQUIPMENT TRACK MOUNTED DRILL RIG		**COMPLETION DEPTH** 20'-0"	**ROCK DEPTH** 15'-0"
SIZE AND TYPE OF BIT 2 7/8" TRICONE ROLLER BIT		**NO. SAMPLES** **DIST.** 3 **UNDIST.** N/A **CORE** 3	
CASING 3" DIAMETER STEEL CASING & EZ DRILLING MUD		**WATER LEVEL** **FIRST** N/A **COMPL.** N/A **24 HR** N/A	
CASING HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"		**FOREMAN** DRILLER- ERIC, HELPER- TERRY	
SAMPLER 2" DIAMETER SPLIT SPOON (SS) SAMPLER; NX DOUBLE TUBE CORE BARREL		**INSPECTOR** ALEX CORMAN	
SAMPLER HAMMER AUTOMATIC **WEIGHT** 140 LBS **DROP** 30"			

MAT. SYM.	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV.FT.	PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
MISC. FILL	SAND, SILT, ASPHALT, GRAVEL, BRICK, CINDERS [MISCELLANEOUS FILL] (NYC BC CLASS 7)	1	S1	SPLIT SPOON	REC = 22"	20	BEGIN DRILLING 1:00PM
						17	
						14	DRIVE SPLIT SPOON S1 FROM 0-2FT
		2				20	
							DRIVE CASING TO 5FT ~100 BLOWS
	?---?---?---?---?---?	3					
SAND		4					DRILL TO 5FT W/ EZ-MUD TO CLEAN OUT HOLE SLIGHT TO HEAVY RIG CHATTER WASH LIGHT GRAY
		5					
	SILTY SAND TRACE ROCK TO SANDY DECOMPOSED ROCK (NYC BC CLASS 3b)		S2	SPLIT SPOON	REC = 6"	2	
		6				3	DRIVE SPLIT SPOON S2 FROM 5-7FT
	?---?---?---?---?---?					15	
		7				49	
DECOMPOSED ROCK							DRIVE CASING TO 10FT ~50 BLOWS
		8					
							DRILL TO 10FT W/ EZ-MUD TO CLEAN OUT HOLE HEAVY RIG CHATTER WASH LIGHT BROWN
		9					
		10	S3	SS	NR	100/1"	DRIVE SPLIT SPOON S3 FROM 10-12FT
							REFUSAL AT 10'-1"
							CORE ROCK STARTING AT 10'

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JOB NO. 12032
DATE X/X/24 - X/X/24

LOG OF BORING NO. B9

SHEET 2 OF 2

MAT. SYM.	SAMPLE DESCRIPTION	DRILL TIME MIN/FT.	DEPTH SCALE	SAMPLES NO. LOC.	SAMPLES TYPE	SAMPLES RECOV.FT.	SAMPLES PENETR. RESIST BL/6in	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
DECOMPOSED ROCK	SOFT DECOMPOSED MARBLE (NYC BC CLASS 1d)	1 1.5 1.5 1 1	10–15	CORE RUN 1	NX DOUBLE-TUBE CORE BARREL	REC = 42"/60" = 70%	RQD = 9"/60" = 15%	CORE RUN 1 10'–11': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN 11'–12': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 12'–13': LIGHT WASH SMOOTH DRILLING FOR ~1.5 MIN 13'–14': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN 14'–15': LIGHT WASH SMOOTH DRILLING FOR ~1 MIN TOTAL CORING TIME APPROX. 6 MIN
ROCK	HARD MARBLE (NYC BC CLASS 1b)	2 2.5 2 3 2.5	15–20	CORE RUN 2	NX DOUBLE-TUBE CORE BARREL	REC = 55"/60" = 92%	RQD = 40"/60" = 67%	CORE RUN 2 15'–16': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN 16'–17': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN 17'–18': LIGHT WASH SMOOTH DRILLING FOR ~2 MIN 18'–19': LIGHT WASH SMOOTH DRILLING FOR ~3 MIN 19'–20': LIGHT WASH SMOOTH DRILLING FOR ~2.5 MIN TOTAL CORING TIME APPROX. 12 MIN
	BORING COMPLETED @ 20 FT		20					BORING COMPLETED AT A DEPTH OF 20'–0" END OF BORING B9

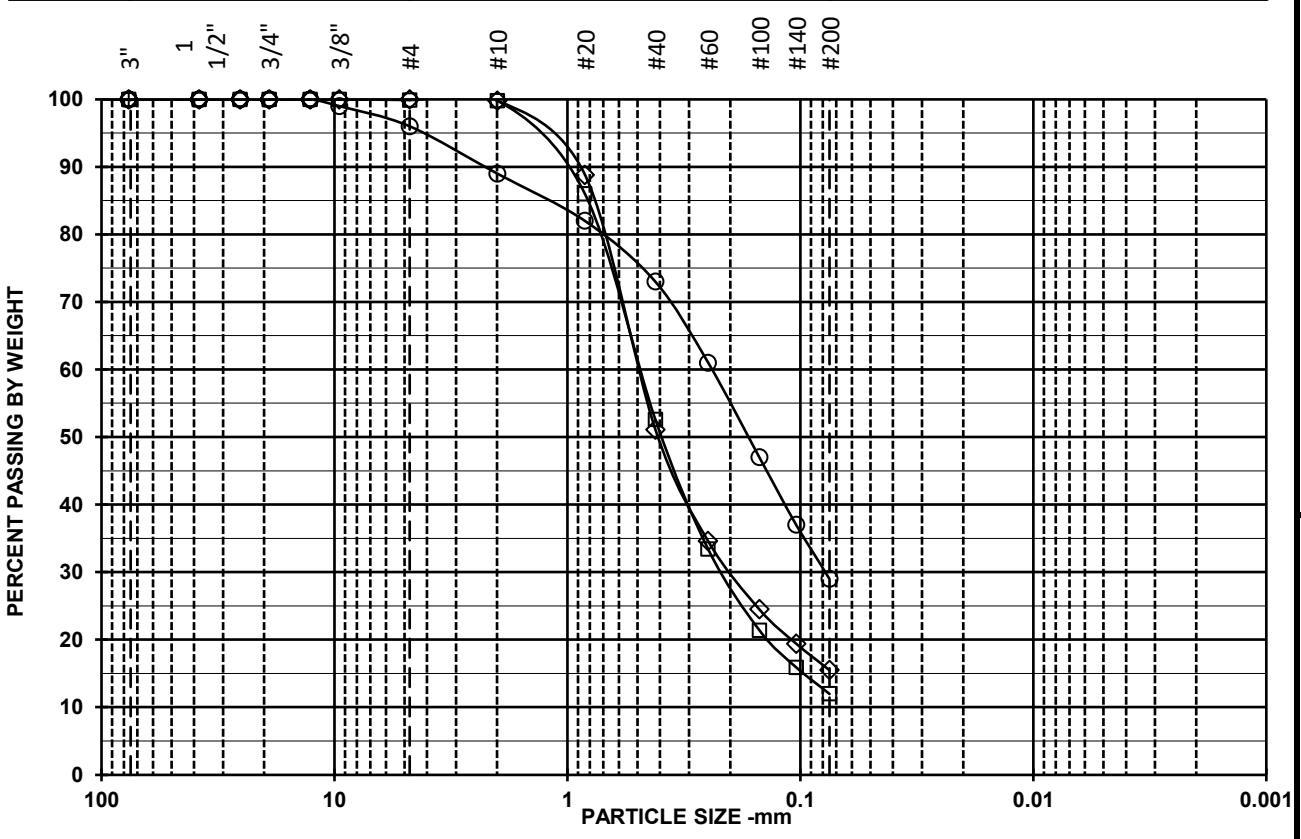
APPENDIX C

LABORATORY-TEST RESULTS

Bilow Engineering, LLC
1150 River Avenue - Bronx, NY
LABORATORY TESTING DATA SUMMARY

BORING NO.	SAMPLE NO.	DEPTH (ft)	IDENTIFICATION TESTS			REMARKS
			WATER CONTENT (%)	USCS SYMB. (1)	SIEVE MINUS NO. 200 (%)	
B-1	S-3	10-12	8.4	SP-SM	12.0	
B-1	S-4	15-17	11.3	SM	15.5	
B-1	S-5	20-22	15.9	SM	29	
B-4	S-3	10-12	18.8	SM	41.7	
B-8	S-4	12-14	10.8	SP-SM	11.0	
B-8	S-5	15-17	13.9	SM	14.7	

Note: (1) USCS symbol based on visual observation and Sieve reported.



Open Symbols: Sieve analysis by ASTM D6913
Filled symbols: Hydrometer analysis by ASTM D7928 corrected for complete sample

SYMBOL	w (%)	LL	PL	PI	USCS	AASHTO	USCS DESCRIPTION AND REMARKS	DATE
□	8.4				SP-SM		Brown, Poorly graded sand with silt	10/17/24
◇	11.3				SM		Light brown, Silty sand	10/17/24
○	15.9				SM		Light brown, Silty sand	10/17/24

Symbol	□	◇	○
Boring	B-1	B-1	B-1
Sample	S-3	S-4	S-5
Depth	10-12	15-17	20-22
% +3"	0	0	0
% Gravel	0.1	0	4
% SAND	87.9	84.5	67
%C SAND	0.1	0.2	7
%M SAND	47.2	48.7	16
%F SAND	40.6	35.6	44
% FINES	12	15.5	29
D_{100} (mm)	9.53	4.75	12.7
D_{60} (mm)	0.489	0.494	0.24
D_{30} (mm)	0.22	0.2	0.078
D_{10} (mm)			
Cc			
Cu			

Sieve Size/ID #	Percent Finer Data		
6"	100.0	100.0	100
4"	100.0	100.0	100
3"	100.0	100.0	100
1 1/2"	100.0	100.0	100
1"	100.0	100.0	100
3/4"	100.0	100.0	100
1/2"	100.0	100.0	100
3/8"	100.0	100.0	99
#4	99.9	100.0	96
#10	99.8	99.8	89
#20	86.0	88.8	82
#40	52.6	51.1	73
#60	33.4	34.6	61
#100	21.4	24.5	47
#140	15.9	19.4	37
#200	12.0	15.5	29
5μ m			
2μ m			
1μ m			

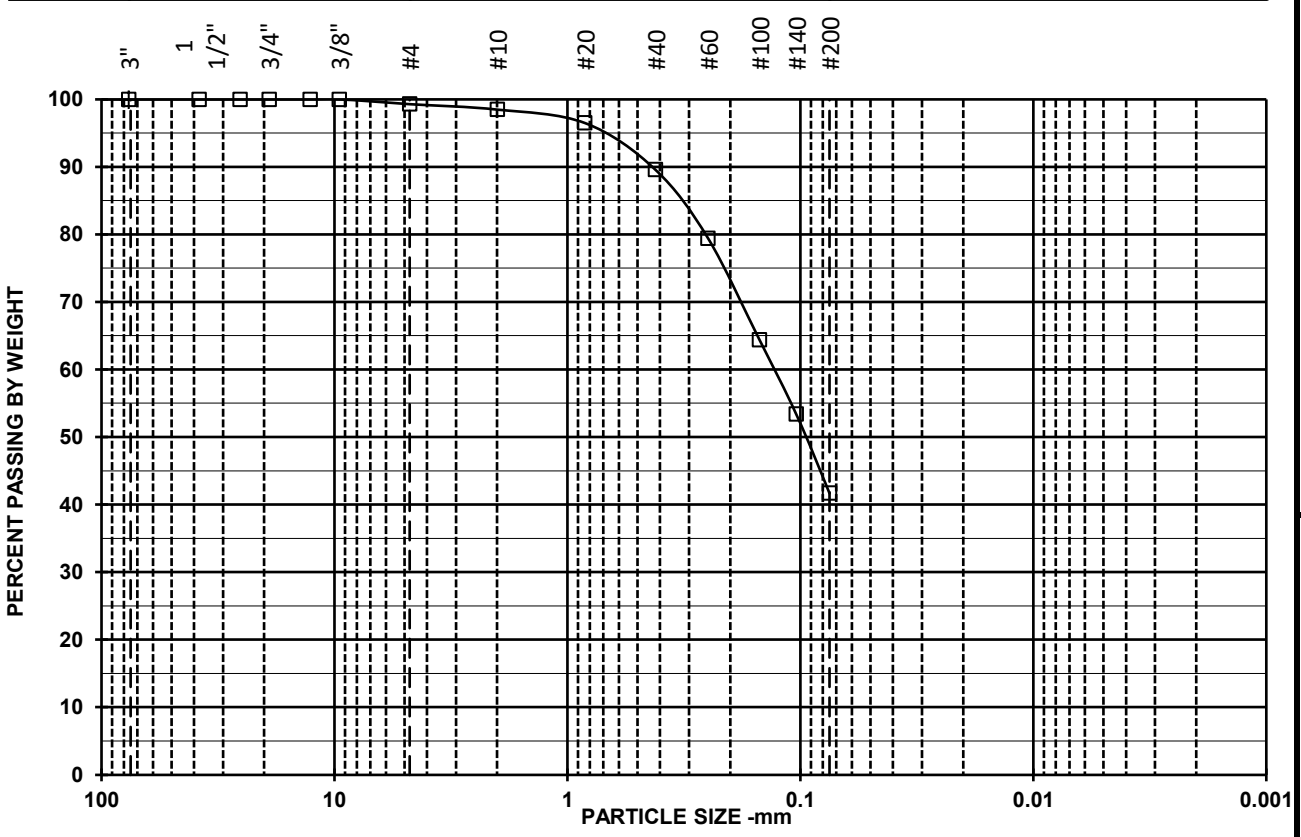
Bilow Engineering, LLC

TERRASENSE Geotechnical Laboratory

#24000124A

1150 River Avenue
Bronx, NY

PARTICLE SIZE DISTRIBUTION
ASTM D6913 & ASTM D7928



Open Symbols: Sieve analysis by ASTM D6913
Filled symbols: Hydrometer analysis by ASTM D7928 corrected for complete sample

SYMBOL	w (%)	LL	PL	PI	USCS	AASHTO	USCS DESCRIPTION AND REMARKS	DATE
□	18.8				SM		Greenish gray, Silty sand	10/17/24
◇								
○								

Symbol	□	◇	○
Boring	B-4		
Sample	S-3		
Depth	10-12		
% +3"	0		
% Gravel	0.7		
% SAND	57.6		
%C SAND	0.8		
%M SAND	8.9		
%F SAND	47.9		
% FINES	41.7		
D_{100} (mm)	9.53		
D_{60} (mm)	0.13		
D_{30} (mm)			
D_{10} (mm)			
Cc			
Cu			

Sieve Size/ID #	Percent Finer Data		
6"	100.0		
4"	100.0		
3"	100.0		
1 1/2"	100.0		
1"	100.0		
3/4"	100.0		
1/2"	100.0		
3/8"	100.0		
#4	99.3		
#10	98.5		
#20	96.5		
#40	89.6		
#60	79.4		
#100	64.4		
#140	53.4		
#200	41.7		
5μ m			
2μ m			
1μ m			

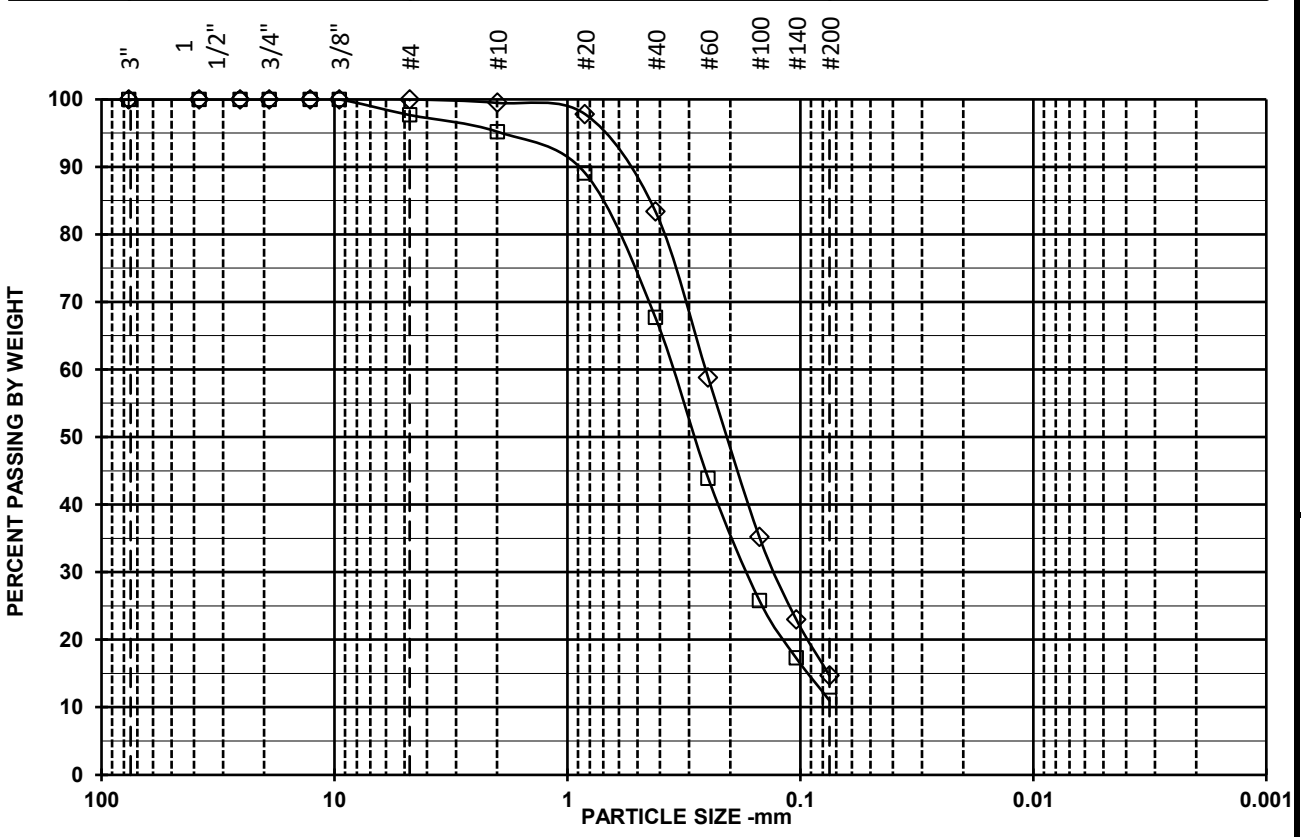
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SYMBOL	w (%)	LL	PL	PI	USCS	AASHTO	USCS DESCRIPTION AND REMARKS	DATE
□	10.8				SP-SM		Grayish brown, Poorly graded sand with silt	10/17/24
◇	13.9				SM		Grayish brown, Silty sand	10/17/24
○								

Symbol	□	◇	○
Boring	B-8	B-8	
Sample	S-4	S-5	
Depth	12-14	15-17	
% +3"	0	0	
% Gravel	2.3	0	
% SAND	86.7	85.3	
%C SAND	2.5	0.5	
%M SAND	27.5	16.1	
%F SAND	56.7	68.7	
% FINES	11	14.7	
D_{100} (mm)	9.53	4.75	
D_{60} (mm)	0.354	0.255	
D_{30} (mm)	0.17	0.13	
D_{10} (mm)			
Cc			
Cu			

Sieve Size/ID #	Percent Finer Data		
6"	100.0	100.0	
4"	100.0	100.0	
3"	100.0	100.0	
1 1/2"	100.0	100.0	
1"	100.0	100.0	
3/4"	100.0	100.0	
1/2"	100.0	100.0	
3/8"	100.0	100.0	
#4	97.7	100.0	
#10	95.2	99.5	
#20	89.1	97.8	
#40	67.7	83.4	
#60	43.9	58.8	
#100	25.8	35.2	
#140	17.3	23.0	
#200	11.0	14.7	
5μ m			
2μ m			
1μ m			

Bilow Engineering, LLC

TERRASENSE Geotechnical Laboratory

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1150 River Avenue
Bronx, NY

PARTICLE SIZE DISTRIBUTION
ASTM D6913 & ASTM D7928

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 3 of 3

Date Rec'd in Lab: 9/17/24

ALPHA Job #: L2453181

Client Information
Client: SESI
Address: 959 Rt 46 E
Parsippany NJ
Phone: 973 808 9050
Fax:
Email: sheng.long@sesi.org

Project Information
Project Name:
Project Location: 1140 River Ave., Bronx NY
Project #: 13740.5
(Use Project name as Project #) ☐
Project Manager: Sheng Long
ALPHAQuote #:

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

These samples have been previously analyzed by Alpha ☐

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Spreadsheet & PDF

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other USCO, RSCO, RRSCO ☒

Billing Information
☒ Same as Client Info
PO #

Site Information
Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
NY site. Regs: USCO, RSCO, RRSCO
Please specify Metals or TAL.
Deliverables: Spreadsheet & PDF

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	Metals	SVOCs	VOCs	PCBs	Total Bottle	Sample Specific Comments
53181-21	SB-121 (3.5-4)	9/6/2024	1334	Soil	SWG	X	X				
-22	SB-122 (4-4.5)		1344						X		
-23	SB-123 (4-4.5)		1351					X	X		
-24	SB-124 (2.5-3)		1404								
-25	SB-125 (3.5-4)	↓	1414			↓	↓				

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]	9/6/2024	[signature] (PDE)	9/17/24 1235
[signature]	9/17/24 1525	NYSE	9/17/24 1525
		Paul Mazzella	9/17/24 1700
Paul Mazzella	9/17/24 2210	[signature]	9/17/24 22:10

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: 01-14 HC (rev. 30-Sept-2013)